

# Uniformed Services University of the Health Sciences



***Board of Regents***

Quarterly Meeting

**August 2015**

**BOARD OF REGENTS  
UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
192<sup>nd</sup> MEETING**

**August 5, 2015  
Norfolk, Virginia**

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# **TAB 1**

*Federal Register:  
Notice of Partially Closed Meeting*

submissions available for public viewing on the Internet at <http://www.regulations.gov> as they are received without change, including any personal identifiers or contact information.

**FOR FURTHER INFORMATION CONTACT:** Ms. Tracy Rogers, Department of the Army, Privacy Office, U.S. Army Records Management and Declassification Agency, 7701 Telegraph Road, Casey Building, Suite 144, Alexandria, VA 22325–3905 or by calling (703) 428–7499.

**SUPPLEMENTARY INFORMATION:** The Department of the Army's notices for system of records subject to the Privacy Act of 1974, (5 U.S.C. 552a), as amended, have been published in the **Federal Register** and are available from the address in **FOR FURTHER INFORMATION CONTACT** or from the Defense Privacy and Civil Liberties Division Web site <http://dpcl.d.defense.gov/>.

The proposed system report, as required by 5 U.S.C. 552a(r) of the Privacy Act of 1974, as amended, was submitted on May 18, 2015, to the House Committee on Oversight and Government Reform, the Senate Committee on Governmental Affairs, and the Office of Management and Budget (OMB) pursuant to paragraph 4c of Appendix I of OMB Circular No. A–130, Federal Agency Responsibilities for Maintaining Records About Individuals," dated February 8, 1996 (February 20, 1996, 61 FR 6427).

Dated: June 17, 2015.

Aaron Siegel,

*Alternate OSD Federal Register Liaison Officer, Department of Defense.*

#### **A0027–40 DAJA**

#### **SYSTEM NAME:**

Litigation Case Files (February 1, 1996, 61 FR 3683).

#### **CHANGES:**

\* \* \* \* \*

#### **SYSTEM LOCATION:**

Delete entry and replace with "Office of the Judge Advocate General, U.S. Army Litigation Division, 9275 Gunston Road, Building 1450, Fort Belvoir, VA 22060–5546."

\* \* \* \* \*

#### **CATEGORIES OF RECORDS IN THE SYSTEM:**

Delete entry and replace with "Full name, current address, telephone number, case number, court docket number, pleadings, motions, briefs, orders, decisions, memoranda, opinions, supporting documentation, and allied materials involved in representing the

U.S. Army in the Federal Court System."

#### **AUTHORITY FOR MAINTENANCE OF THE SYSTEM:**

Delete entry and replace with "10 U.S.C. 3013, Secretary of the Army; and Army Regulation 27–40, Litigation."

\* \* \* \* \*

#### **STORAGE:**

Delete entry and replace with "Electronic storage media and paper records."

\* \* \* \* \*

#### **SAFEGUARDS:**

Delete entry and replace with "Records are maintained in file cabinets within secured buildings and available only to designated authorized individuals who have official need therefor. DoD Components and approved users ensure that electronic records collected and used are maintained in controlled areas accessible only to authorized personnel. Physical security differs from site to site, but the automated records must be maintained in controlled areas accessible only by authorized personnel. Access to computerized data is restricted by use of common access cards (CACs) and is accessible only by users with an authorized account. The system and electronic backups are maintained in controlled facilities that employ physical restrictions and safeguards such as security guards, identification badges, key cards, and locks."

\* \* \* \* \*

#### **SYSTEM MANAGER(S) AND ADDRESS:**

Delete entry and replace with "Office of the Judge Advocate General, U.S. Army Litigation Division, 9275 Gunston Road, Building 1450, Fort Belvoir, VA 22060–5546."

#### **NOTIFICATION PROCEDURE:**

Delete entry and replace with "Individuals seeking to determine whether information about themselves is contained in this system should address written inquiries to the Chief, U.S. Army Litigation Division, 9275 Gunston Road, Building 1450, Fort Belvoir, VA 22060–5546."

Individual should provide full name, current address and telephone number, case number that appeared on documentation, any other information that will assist in locating pertinent records, and signature.

In addition, the requester must provide a notarized statement or an unsworn declaration made in accordance with 28 U.S.C. 1746, in the following format:

If executed outside the United States: 'I declare (or certify, verify, or state) under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. Executed on (date). (Signature)'.

If executed within the United States, its territories, possessions, or commonwealths: 'I declare (or certify, verify, or state) under penalty of perjury that the foregoing is true and correct. Executed on (date). (Signature)'."

#### **RECORD ACCESS PROCEDURES:**

Delete entry and replace with "Individuals seeking access to information about themselves contained in this system should address written inquiries to the Chief, U.S. Army Litigation Division, 9275 Gunston Road, Building 1450, Fort Belvoir, VA 22060–5546."

Individual should provide full name, current address and telephone number, case number that appeared on documentation, any other information that will assist in locating pertinent records, and signature.

In addition, the requester must provide a notarized statement or an unsworn declaration made in accordance with 28 U.S.C. 1746, in the following format:

If executed outside the United States: 'I declare (or certify, verify, or state) under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. Executed on (date). (Signature)'.

If executed within the United States, its territories, possessions, or commonwealths: 'I declare (or certify, verify, or state) under penalty of perjury that the foregoing is true and correct. Executed on (date). (Signature)'."

\* \* \* \* \*

[FR Doc. 2015–15262 Filed 6–19–15; 8:45 am]

**BILLING CODE 5001–06–P**

## **DEPARTMENT OF DEFENSE**

### **Office of the Secretary**

### **Board of Regents, Uniformed Services University of the Health Sciences; Notice of Federal Advisory Committee Meeting**

**AGENCY:** Uniformed Services University of the Health Sciences (USU), Department of Defense.

**ACTION:** Quarterly meeting notice.

**SUMMARY:** The Department of Defense is publishing this notice to announce the following meeting of the Board of Regents, Uniformed Services University of the Health Sciences ("the Board").

**DATES:** Wednesday, August 5, 2015, from 8:00 a.m. to 8:30 a.m. (Open Session) and 8:30 a.m. to 9:00 a.m. (Closed Session).

**ADDRESSES:** Navy Lodge Norfolk, 7811 Hampton Boulevard, Norfolk, Virginia 23505.

**FOR FURTHER INFORMATION CONTACT:**

Jennifer Nuetzi James, Designated Federal Officer, 4301 Jones Bridge Road, D3002, Bethesda, Maryland 20814; telephone 301-295-3066; email [jennifer.nuetzi-james@usuhs.edu](mailto:jennifer.nuetzi-james@usuhs.edu).

**SUPPLEMENTARY INFORMATION:** This meeting notice is being published under the provisions of the Federal Advisory Committee Act of 1972 (5 U.S.C., Appendix, as amended), the Government in the Sunshine Act of 1976 (5 U.S.C. 552b, as amended), and 41 CFR 102-3.150.

**Purpose of the Meeting:** The purpose of the meeting is to provide advice and recommendations to the Secretary of Defense through the Under Secretary of Defense for Personnel and Readiness, on academic and administrative matters critical to the full accreditation and successful operation of the University. These actions are necessary for the University to pursue its mission, which is to educate, train and comprehensively prepare uniformed services health professionals, officers, scientists and leaders to support the Military and Public Health Systems, the National Security and National Defense Strategies of the United States, and the readiness of the Uniformed Services.

**Agenda:** The actions scheduled to occur include the approval of the minutes from the Board Meeting held on May 15, 2015; recommendations regarding the awarding of post-baccalaureate degrees; recommendations regarding the approval of faculty appointments and promotions; and award nominations. The USU President will provide a report on recent actions affecting academic and operational aspects of the University. A closed session will be held, after the open session, to discuss active investigations and personnel actions.

**Meeting Accessibility:** Pursuant to Federal statute and regulations (5 U.S.C. 552b and 41 CFR 102-3.140 through 102-3.165) and the availability of space, the meeting is open to the public from 8:00 a.m. to 8:30 a.m. Seating is on a first-come basis. Members of the public wishing to attend the meeting should contact Jennifer Nuetzi James five business days prior to the meeting, at the address and phone number noted in the **FOR FURTHER INFORMATION CONTACT** section.

Pursuant to 5 U.S.C. 552b(c)(2, 5-7), the Department of Defense has determined that the portion of the meeting from 8:30 a.m. to 9:00 a.m. shall be closed to the public. The Under Secretary of Defense (Personnel and Readiness), in consultation with the Office of the DoD General Counsel, has determined in writing that a portion of the committee's meeting will be closed as the discussion will disclose sensitive personnel information, will include matters that relate solely to the internal personnel rules and practices of the agency, will involve allegations of a person having committed a crime or censuring an individual, and may disclose investigatory records compiled for law enforcement purposes.

**Written Statements:** Pursuant to 41 CFR 102-3.140 and section 10(a)(3) of the Federal Advisory Committee Act of 1972, the public or interested organizations may submit written comments to the Board about its approved agenda pertaining to this meeting or at any time regarding the Board's mission. Individuals submitting a written statement must submit their statement to the Designated Federal Officer at the address listed in the **FOR FURTHER INFORMATION CONTACT** section. Written statements that do not pertain to a scheduled meeting of the Board may be submitted at any time. However, if individual comments pertain to a specific topic being discussed at the planned meeting, then these statements must be received at least 5 calendar days prior to the meeting, otherwise, the comments may not be provided to or considered by the Board until a later date. The Designated Federal Officer will compile all timely submissions with the Board's Chairman and ensure such submissions are provided to Board Members before the meeting.

Dated: June 17, 2015.

**Aaron Siegel,**

*Alternate OSD Federal Register Liaison Officer, Department of Defense.*

[FR Doc. 2015-15226 Filed 6-19-15; 8:45 am]

**BILLING CODE 5001-06-P**

## DEPARTMENT OF DEFENSE

### Office of the Secretary

[Docket ID: DoD-2015-HA-0060]

### Proposed Collection; Comment Request

**AGENCY:** Office of the Assistant Secretary of Defense for Health Affairs, DoD.

**ACTION:** Notice.

**SUMMARY:** In compliance with the *Paperwork Reduction Act of 1995*, the Office of the Assistant Secretary of Defense for Health Affairs announces a proposed public information collection and seeks public comment on the provisions thereof. Comments are invited on: (a) Whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information shall have practical utility; (b) the accuracy of the agency's estimate of the burden of the proposed information collection; (c) ways to enhance the quality, utility, and clarity of the information to be collected; and (d) ways to minimize the burden of the information collection on respondents, including through the use of automated collection techniques or other forms of information technology.

**DATES:** Consideration will be given to all comments received by August 21, 2015.

**ADDRESSES:** You may submit comments, identified by docket number and title, by any of the following methods:

- Federal eRulemaking Portal: <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Mail: Department of Defense, Office of the Deputy Chief Management Officer, Directorate of Oversight and Compliance, Regulatory and Audit Matters Office, 9010 Defense Pentagon, Washington, DC 20301-9010.

**Instructions:** All submissions received must include the agency name, docket number and title for this **Federal Register** document. The general policy for comments and other submissions from members of the public is to make these submissions available for public viewing on the Internet at <http://www.regulations.gov> as they are received without change, including any personal identifiers or contact information.

Any associated form(s) for this collection may be located within this same electronic docket and downloaded for review/testing. Follow the instructions at <http://www.regulations.gov> for submitting comments. Please submit comments on any given form identified by docket number, form number, and title.

**FOR FURTHER INFORMATION CONTACT:** To request more information on this proposed information collection or to obtain a copy of the proposal and associated collection instruments, please write to the TRICARE Dental Care Office, Health Plan Execution and Operation, Defense Health Agency (DHA), Rm 3M 451, ATTN: COL Colleen C. Shull, Falls Church, VA 22042 or call (703) 681-9517, DSN 761.



PERSONNEL AND  
READINESS

UNDER SECRETARY OF DEFENSE  
4000 DEFENSE PENTAGON  
WASHINGTON, DC 20301-4000

JUN 15 2015

MEMORANDUM FOR DESIGNATED FEDERAL OFFICER, BOARD OF REGENTS,  
UNIFORMED SERVICES UNIVERSITY OF THE HEALTH  
SCIENCES


SUBJECT: Determination to Close a Portion of the Summer Board of Regents, Uniformed  
Services University of the Health Sciences Meeting on August 5, 2015

I find that the request to close a portion of the summer meeting of the Board of Regents ("the Board"), Uniformed Services University of the Health Sciences ("the University"), from roughly 8:30 am until 9:00 am on August 5, 2015, is consistent with provisions outlined in the Government in the Sunshine Act, 5 U.S.C. § 552b(c)(2, 5-7), and the Federal Advisory Committee Act, 5 U.S.C. Appendix. Therefore, I determine that the prescribed portion of the Board meeting shall be closed to the public.

The reason for my determination is that this portion of the meeting will disclose sensitive personnel information, includes matters that relate solely to the internal personnel rules and practices of the University, will involve accusing a person of a crime or censuring an individual, and may disclose investigatory records compiled for law enforcement purpose.

Specifically, the portions of the meeting that will be closed are the discussions on active investigations and personnel actions.

As required by 41 C.F.R. § 102-3.155(d), you shall ensure that a copy of this determination is made available to the public upon request. In light of this determination, you shall also comply with all requirements for reporting closed meetings as specified in DoD Instruction 5105.04.

  
Brad Carson  
Acting

cc:  
Group Federal Officer  
Advisory Committee Management Officer

## **TAB 2**

*Board of Regents*

**BOARD OF REGENTS**  
**UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES**  
**August 2015**

<b><u>NAME</u></b>	<b><u>TITLE</u></b>	<b><u>TERM EXP</u></b>
Ronald R. Blanck, D.O.	Chair, Board of Regents	June 20, 2019
Honorable Sheila P. Burke, M.P.A.	Member, Board of Regents	July 19, 2017
Haile T. Debas, M.D.	Member, Board of Regents	June 20, 2019
GEN Ronald H. Griffith, USA (Ret)	Member, Board of Regents	November 4, 2015
Michael M.E. Johns, M.D.	Member, Board of Regents	June 20, 2019
Kenneth P. Moritsugu, M.D., M.P.H.	Member, Board of Regents	June 20, 2019
Honorable Charles S. Robb, J.D.	Member, Board of Regents	November 4, 2015
Leo E. Rouse, D.D.S.	Member, Board of Regents	May 13, 2021
Honorable Gail R. Wilensky, Ph.D.	Member, Board of Regents	June 20, 2019
Honorable Jonathan Woodson, M.D.	Assistant Secretary of Defense for Health Affairs*	Ex Officio
Charles L. Rice, M.D.	President, USU**	Ex Officio
LTG Patricia D. Horoho, AN, USA	Surgeon General, United States Army	Ex Officio
VADM Matthew L. Nathan, MC, USN	Surgeon General, United States Navy	Ex Officio
Lt Gen Mark A. Ediger, USAF, MC	Surgeon General, United States Air Force	Ex Officio
VADM Vivek H. Murthy, USPHS	Surgeon General of the United States	Ex Officio
Gen Thomas R. Morgan, USMC (Ret)	Military Advisor to the Board	Advisor
Arthur L. Kellermann, M.D., M.P.H.	Dean, F. Edward Hébert School of Medicine	Advisor
Carol A. Romano, Ph.D., R.N.	Dean, Daniel K. Inouye Graduate School of Nursing	Advisor
Thomas R. Schneid, D.M.D., M.S.	Executive Dean, Postgraduate Dental College	Advisor
Col L. Andrew Huff, USAF, MC	Director, Armed Forces Radiobiology Research Institute	Advisor
RADM Raquel C. Bono, MC, USN	Director, National Capital Region Medical Directorate	Advisor
Maj Gen Bart O. Iddins, USAF, MC	Commander, 59 <sup>th</sup> Medical Wing	Advisor
BG Robert D. Tenhet, MSC, USA	Commanding General, Northern Regional Medical Command	Advisor
Maj Gen Roosevelt Allen, Jr., USAF, DC	Commander, 79 <sup>th</sup> Medical Wing	Advisor
MG Jeffrey B. Clark, MC, USA	Director, Walter Reed National Military Medical Center	Advisor
COL John H. Garr, MC, USA	Commander, Defense Medical Readiness Training Institute	Advisor
Jason Kaar, J.D.	Legal Advisor to the Board of Regents	Advisor
Jeffrey L. Longacre, M.D.	Executive Secretary	
Jennifer Nuetzi James	Designated Federal Officer	

\*The Assistant Secretary of Defense for Health Affairs is not a statutory member of the Board of Regents but represents the Secretary of Defense, who is by statute an ex officio member.

\*\*The President, USU is a non-voting ex officio member as defined by statute.

## **TAB 3**

*Charter*

Charter  
Board of Regents, Uniformed Services University of the Health Sciences

1. Committee's Official Designation: The committee will be known as the Board of Regents, Uniformed Services University of the Health Sciences ("the Board").
2. Authority: The Secretary of Defense, pursuant to 10 U.S.C. § 2113a and in accordance with the Federal Advisory Committee Act (FACA) of 1972 (5 U.S.C., Appendix, as amended) and 41 C.F.R. § 102-3.50(a), established the Board.
3. Objectives and Scope of Activities: The Board shall assist the Secretary of Defense in an advisory capacity in carrying out the Secretary's responsibility to conduct the business of the Uniformed Services University of the Health Sciences ("the University"), as set out in paragraph four below.
4. Description of Duties: The Board shall provide advice and recommendations on academic and administrative matters critical to the full accreditation and successful operation of the University.
5. Agency or Official to Whom the Committee Reports: The Board reports to the Secretary of Defense and/or the Deputy Secretary of Defense, through the Under Secretary of Defense for Personnel and Readiness (USD(P&R)). The USD(P&R), pursuant to DoD policy, may act upon the Board's advice and recommendations.
6. Support: The Department of Defense (DoD), through the Office of the USD(P&R), provides support for the performance of the Board's functions and ensures compliance with the requirements of the FACA, the Government in the Sunshine Act of 1976 (5 U.S.C. § 552b, as amended) ("the Sunshine Act"), governing Federal statutes and regulations, and established DoD policies and procedures.
7. Estimated Annual Operating Costs and Staff Years: The estimated annual operating cost, to include travel, meetings, and contract support, is approximately \$214,600.00. The estimated annual personnel cost to the DoD is 1.4 full-time equivalents.
8. Designated Federal Officer: The Board's Designated Federal Officer (DFO) must be a full-time or permanent part-time DoD officer or employee, designated in accordance with established DoD policies and procedures.

The Board's DFO is required to attend at all meetings of the Board and its subcommittees for the entire duration of each and every meeting. However, in the absence of the Board's DFO, a properly approved Alternate DFO, duly designated to the Board according to established DoD policies and procedures, must attend the entire duration of all meetings of the Board and its subcommittees.

The DFO, or the Alternate DFO, calls all meetings of the Board and its subcommittees; prepares and approves all meeting agendas; and adjourns any meeting when the DFO, or the Alternate DFO, determines adjournment to be in the public interest or required by governing regulations or DoD policies and procedures.

Charter  
Board of Regents, Uniformed Services University of the Health Sciences

9. Estimated Number and Frequency of Meetings: The Board meets at the call of the Board's DFO, in consultation with the Board's Chair. The Board shall meet at least once a quarter.
10. Duration: The need for this advisory function is on a continuing basis; however, this charter is subject to renewal every two years.
11. Termination: The Board terminates upon rescission of 10 U.S.C. § 2113a.
12. Membership and Designation: Under the provisions of 10 U.S.C. § 2113a(b), the Board shall be composed of 15 members, appointed or designated as follows:
  - a. nine persons outstanding in the fields of health care, higher education administration, or public policy, who shall be appointed from civilian life by the Secretary of Defense;
  - b. the Secretary of Defense, or his designee, who shall be an *ex-officio* member;
  - c. the Surgeons General of the Uniformed Services, who shall be *ex-officio* members; and
  - d. the President of the University, who shall be a non-voting, *ex-officio* member.

As directed by 10 U.S.C. § 2113a(c), the term of office for each member of the Board (other than *ex-officio* members) shall be six years except that:

- a. any member appointed to fill a vacancy occurring before the expiration of the term for which his predecessor was appointed shall be appointed for the remainder of such term; and,
- b. any member whose term of office has expired shall continue to serve until his successor is appointed.

In accordance with 10 U.S.C. § 2113a(d), one of the members of the Board (other than an *ex-officio* member) shall be designated as Chair by the Secretary of Defense and shall be the presiding officer of the Board.

Board members that are not *ex-officio* members shall be appointed by the Secretary of Defense, and their appointments will be renewed on an annual basis according to DoD policies and procedures.

Those members appointed by the Secretary of Defense from civilian life provide their best judgment on the matters before the Board, based upon each individual's professional experience. Board members who are not full-time or permanent part-time Federal officers or employees will be appointed as experts or consultants pursuant to 5 U.S.C. § 3109 to serve as special government employee (SGE) members. Board members who are full-time or permanent part-time Federal officers or employees will serve as regular government employee (RGE) members pursuant to 41 C.F.R. § 102-3.130(a). No member may serve

Charter  
Board of Regents, Uniformed Services University of the Health Sciences

more than two consecutive terms of service without Secretary of Defense or Deputy Secretary of Defense approval.

Pursuant to 10 U.S.C. § 2113a(e), Board members (other than *ex-officio* members), while attending conferences or meetings or while otherwise performing their duties as members, shall be entitled to receive compensation at a rate to be fixed by the Secretary of Defense. Each member is reimbursed for travel and per diem as it pertains to official business of the Board.

13. Subcommittees: DoD, when necessary and consistent with the Board's mission and DoD policies and procedures, may establish subcommittees, task forces, or working groups to support the Board. Establishment of subcommittees will be based upon a written determination, to include terms of reference, by the Secretary of Defense, the Deputy Secretary of Defense, or the USD(P&R) as the Board's Sponsor.

Such subcommittees will not work independently of the Board and will report all of their recommendations and advice solely to the Board for full and open deliberation and discussion. Subcommittees, task forces, or working groups have no authority to make decisions and recommendations, verbally or in writing, on behalf of the Board. No subcommittee or any of its members can update or report, verbally or in writing, on behalf of the Board, directly to the DoD or any Federal officer or employee.

Each member, based upon his or her individual professional experience, provides his or her best judgment on the matters before the Board, and he or she does so in a manner that is free from conflict of interest. All subcommittee members will be appointed by the Secretary of Defense or the Deputy Secretary of Defense to a term of service of one-to-four years, with annual renewals, even if the individual is already a member of the Board. Subcommittee member will not serve more than two consecutive terms of service, unless authorized by the Secretary of Defense or the Deputy Secretary of Defense.

Subcommittee members who are not full-time or permanent part-time Federal officers or employees will be appointed as an expert or consultant pursuant to 5 U.S.C. § 3109 to serve as an SGE member. Subcommittee members who are full-time or permanent part-time Federal officers or employees will be appointed pursuant to 41 C.F.R. § 102-3.130(a) to serve as an RGE member. With the exception of reimbursement of official travel and per diem related to the Board or its subcommittees, subcommittee members will serve without compensation.

All subcommittees operate under the provisions of FACA, the Sunshine Act, governing Federal statutes and regulations, and established DoD policies and procedures.

14. Recordkeeping: The records of the Board and its subcommittees shall be handled according to Section 2, General Records Schedule 26 and governing DoD policies and procedures. These records will be available for public inspection and copying, subject to the Freedom of Information Act of 1966 (5 U.S.C. § 552, as amended).

Charter  
Board of Regents, Uniformed Services University of the Health Sciences

15. Filing Date: May 2, 2015

## **TAB 4**

*Membership Balance Plan*

Membership Balance Plan  
Board of Regents, Uniformed Services University of the Health Sciences

Agency: Department of Defense (DoD)

1. Authority: The Secretary of Defense, pursuant to 10 U.S.C. § 2113a and in accordance with the Federal Advisory Committee Act (FACA) of 1972 (5 U.S.C., Appendix, as amended) and 41 C.F.R. § 102-3.50(a), established the Board of Regents, Uniformed Services University of the Health Sciences (“the Board”).
2. Mission/Function: The Board shall assist, in an advisory capacity, the Secretary of Defense in carrying out the Secretary’s responsibility to conduct the business of the Uniformed Services University of the Health Sciences (“the University”). The Board shall provide advice and recommendations on academic and administrative matters critical to the full accreditation and successful operation of the University.
3. Points of View: The Board, pursuant to 10 U.S.C. § 2113a(b), shall be composed of 15 members, appointed or designated as follows:
  - a. nine persons outstanding in the fields of health care, higher education administration, or public policy, who shall be appointed from civilian life by the Secretary of Defense;
  - b. the Secretary of Defense, or his designee, who shall be an *ex-officio* member;
  - c. the Surgeons General of the Uniformed Services, who shall be *ex-officio* members; and
  - d. the President of the University, who shall be a non-voting, *ex-officio* member.

Board members who are not *ex-officio* members shall be appointed by the Secretary of Defense and their appointments will be renewed on an annual basis according to established DoD policies and procedures.

Those members appointed by the Secretary of Defense from civilian life, provide their best judgment on the matters before the Board, based upon his or her individual professional experience, and he or she does so in a manner that is free from conflict of interest. Board members who are not full-time or permanent part-time Federal officers or employees will be appointed as experts or consultants pursuant to 5 U.S.C. § 3109 to serve as special government employee (SGE) members. Board members who are full-time or permanent part-time Federal officers or employees will serve as regular government employee (RGE) members pursuant to 41 C.F.R. § 102-3.130(a). In addition, the Department, unless otherwise required by statute or Presidential directive, does not use representative members on DoD established or supported advisory committees.

The DoD has found that viewing the complex issues facing the Department through a multidisciplinary advisory committee provides the Department and, more importantly, the American public with a broader understanding of the issues on which to base subsequent policy decisions.

4. Other Balance Factors: NA

Membership Balance Plan  
Board of Regents, Uniformed Services University of the Health Sciences

5. Candidate Identification Process: DoD, in selecting potential candidates for the Board, reviews the educational and professional credentials of individuals with extensive professional experience in the areas of health care, higher education administration, or public policy.

Potential candidates are identified by the Designated Federal Officer (DFO), in consultation with the Office of the Assistant Secretary of Defense for Health Affairs (ASD(HA)), and their professional staffs, as well as through recommendations by current members of the Board. Once potential candidates are identified, the DFO, in consultation with Assistant Secretary of Defense for Health Affairs, reviews the credentials of each individual and narrows the list of potential candidates. During the review, he or she strives to achieve a balance between the educational and professional credentials of the individuals and the anticipated subject matters to be reviewed by the Board to achieve expertise in points of view to be represented and functions to be performed. The ASD(HA), based on the recommendation of the Under Secretary of Defense for Personnel and Readiness (USD(P&R)), is the Secretary of Defense representative to the Board.

After the list of candidates has been narrowed, it is forwarded to the (USD(P&R) for further scrutiny and formal nomination to the Secretary of Defense or the Deputy Secretary of Defense. Prior to nominating the potential candidates, the list of candidates will undergo a review by the Office of the General Counsel for the Department of Defense and the Advisory Committee Management Officer to ensure compliance with Federal and DoD governance requirements, including compliance with the Board's charter and membership balance plan. Following this review, the USD(P&R) discusses his or her potential nominees with the Secretary of Defense or the Deputy Secretary of Defense and receives authority to proceed with the nominations.

Pursuant to DoD policy, only the Secretary or the Deputy Secretary of Defense can invite or approve the appointment of individuals to serve on DoD established or supported advisory committees and subcommittees. The Secretary of Defense or the Deputy Secretary of Defense may approve the appointment of members to the Board for a six-year term of service, except those Board members appointed to fill a vacancy occurring before the end of the term for which the predecessor was appointed will serve only until the end of such term. Board members may serve after the end of the term until a successor has taken the oath of office. No member may serve more than two consecutive terms of service without Secretary of Defense or Deputy Secretary of Defense approval. The USD(P&R), as the Board's Sponsor, is authorized to administratively certify the appointment of Board members that were previously approved by the Secretary or Deputy Secretary of Defense.

Following approval or authorization to proceed with the appointment by the Secretary of Defense or the Deputy Secretary of Defense, the candidates are required to complete the necessary appointment paperwork, to include meeting ethics requirements stipulated by the Office of Government Ethics for advisory committee members who are appointed as SGE members.

Membership Balance Plan  
Board of Regents, Uniformed Services University of the Health Sciences

Membership vacancies for the Board will be filled in the same manner as described in the previous five paragraphs above.

6. Subcommittee Balance: DoD, when necessary and consistent with the Board's mission and DoD policies and procedures, may establish subcommittees, task forces, or working groups to support the Board.

The Secretary of Defense or the Deputy Secretary of Defense approves the appointment of subcommittee members for one-to-four year terms of service with annual renewals; however, no member, unless authorized by the Secretary, may serve more than two consecutive terms of service. Individuals considered for appointment to any subcommittee of the Board may come from the Board itself or from new nominees, as recommended by the USD(P&R) and based upon the subject matters under consideration, but they must be approved by the Secretary of Defense or the Deputy Secretary of Defense and administratively certified by the USD(P&R) before participating in any subcommittee work.

Subcommittee members, if not full-time or permanent part-time Federal officers or employees, shall be appointed as experts or consultants pursuant to 5 U.S.C. § 3109 to serve as SGE members. Those individuals who are not full-time or permanent part-time Federal officers or employees shall serve as RGE members pursuant to 41 C.F.R. § 102-3.130(a).

7. Other: As nominees are considered for appointment to the Board, the DoD adheres to the Office of Management and Budget's Revised Guidance on Appointment of Lobbyists to Federal Committees, Boards, and Commissions (79 FR 27482; August 13, 2014) and the rules and regulations issued by the Office of Government Ethics.
8. Date Prepared/Updated: May 2, 2015

## **TAB 5**

*Bylaws*

**Bylaws  
of the  
Board of Regents  
of the  
Uniformed Services University of the Health Sciences**

***Article I***

Establishment. The Board of Regents of the Uniformed Services University of the Health Sciences (USU), hereinafter the Board, is established by 10 U.S. Code § 2113a.

Description. The Board is a Federal Advisory Committee within the Department of Defense and operates in accordance with the Federal Advisory Committee Act (FACA), DoD Instruction 5105.04, “Federal Advisory Committee Management Program,” DoD Directives and Instructions specifically and generally applicable to USU, and its DoD Charter.

***Article II***

Purpose.

A. The purpose of the Board shall be to provide advice and guidance to the Secretary of Defense; the Under Secretary of Defense for Personnel and Readiness; the Assistant Secretary of Defense for Health Affairs; and the USU President in order to ensure that the operation of USU is effective, in compliance with all applicable accreditation standards, and in the best traditions of academia.

B. The purpose of these bylaws is to set forth the organization of the Board and to outline the procedures it uses to accomplish its responsibilities as an advisory committee.

***Article III***

Members. Pursuant to 10 U.S. Code § 2113a, the Board shall consist of:

A. Nine persons, outstanding in the fields of health care, higher education administration, or public policy, who shall be appointed from civilian life by the Secretary of Defense;

B. The Secretary of Defense, or the Secretary’s designee, who shall be an ex officio member;

C. The Surgeons General of the Uniformed Services who shall be ex officio members; and

D. The USU President, who shall be a nonvoting ex officio member.

Representatives. Individual members of the Board, to include the designee of the Secretary of Defense, may be represented at meetings of the Board and at committee meetings by representatives, provided these representatives are Federal government employees or members of the Armed Services and provided they are appointed in advance and in writing. Representatives should be appointed with continuity in mind and should have authority to speak for the represented members.

Term of Office. The term of office for each member of the Board (other than an ex-officio member) shall be six years except that:

A. Any member of the Board appointed to fill a vacancy occurring before the expiration of the term for which a predecessor was appointed, shall be appointed for the remainder of such term.

B. Any member of the Board whose term of office has expired shall continue to serve until a successor is appointed. These appointments will be renewed annually on the anniversary of the original appointment date.

Appointment of Chair. One of the members of the Board (other than an ex officio member) shall be designated by the Secretary of Defense as Chair and shall be the presiding officer of the Board. The term of the Chair shall continue until a successor is appointed.

Selection of Vice-Chair. The Chair of the Board may select an appointed member of the Board to serve as Vice Chair.

#### *Article IV*

Duties and Responsibilities. The Board shall:

A. Advise the Secretary of Defense, through the Assistant Secretary of Defense for Health Affairs and the Under Secretary of Defense for Personnel and Readiness, regarding the appointment of the USU President and advise the USU President regarding the appointments of deans of USU schools, directors of USU institutes and similar USU administrative positions;

B. Be informed by the USU President of the appointments of vice presidents, assistant vice presidents and similar USU staff positions; or by the appropriate dean of the appointments of associate deans, assistant deans, department chairs and similar USU faculty positions;

C. Advise the USU President on the awarding of appropriate academic degrees to successful candidates after first receiving and considering the recommendations of the faculty and deans of USU schools;

D. Advise the USU President on the conferring of honors (to include Professor Emeritus, Senior Lecturer, and Distinguished Professor) and honorary degrees after first receiving and considering the recommendations of the deans of USU schools;

E. Provide its advice on policies and procedures intended to ensure that USU maintains appropriate accreditation requirements;

F. Consider recommendations made by USU Committees on Appointments, Promotion, and Tenure and provide its advice on these recommendations to the USU President;

G. Consider recommendations made to establish new academic programs at USU. (Recommendations for new programs will be read into the minutes at the Board meeting when they are first presented. Advice on whether or not to approve new programs will ordinarily be provided to the USU President at the next regularly scheduled Board meeting.); and

H. Perform other duties as deemed appropriate and within its Charter, to include (1) assessing and providing advice to the Assistant Secretary of Defense for Health Affairs, the Under Secretary of Defense for Personnel and Readiness, and the Secretary of Defense on the performance of the USU President; the performance of USU as an institution (including major academic programs and divisions); the well-being of USU faculty, students, and staff; the adequacy of USU financial resources and their management; and the adequacy of USU's physical facilities; and (2) serving as an advocate for USU and its needs.

## *Article V*

Advisors. Advisors to the Board shall include:

- A. USU deans;
- B. Commanders of representative teaching hospitals, as selected by the Board;
- C. A legal advisor (the USU General Counsel);
- D. A military advisor to provide advice to the Board from an operational perspective; and
- E. Other individuals invited by the Board to serve in this capacity.

## *Article VI*

Preparatory Groups.

A. Designation: The Board of Regents, as a body, shall designate either standing or ad hoc preparatory groups as necessary.

B. Purpose: Board preparatory groups shall be responsible for review and summary of assigned Board agenda items to be presented at the full Board meeting.

C. Membership: The Chair of the Board of Regents shall appoint members and designate their chairs.

D. Meetings: Each group shall meet prior to the meeting of the full Board. Meetings may be held in person or via conference call.

#### Subcommittees.

A. In contrast to preparatory groups, subcommittees, which make recommendations to the Board, may be established in accordance with the guidelines of the Board of Regents Department of Defense Charter.

### *Article VII*

#### Awards.

A. Board of Regents Awards: The Board may annually recognize four outstanding students if selected by the Dean, School of Medicine; the Dean, Graduate School of Nursing; the Associate Dean, Graduate Education; and the Executive Dean, Postgraduate Dental College, in accordance with separately established criteria.

B. Carol J. Johns, M.D. Medal: The Board shall review and endorse or nonendorse the Carol J. Johns, M.D. Medal recognizing an outstanding faculty member selected by the Faculty Senate in accordance with separately established criteria.

C. The Distinguished Service Award, Exceptional Service Award, and the University Medal: The Board shall review and endorse or nonendorse Distinguished Service and Exceptional Service awards and the University Medal in accordance with separately established criteria.

### *Article VIII*

#### General Procedures.

A. Regular Meetings: The Board shall hold at least four (4) meetings in an annual period from October 1 to September 30, or more often if the Secretary of Defense, the designee of the Secretary of Defense, or the Chair of the Board of Regents shall deem it necessary. Unless otherwise determined by the Board, meetings shall be held in the Everett Alvarez Jr. Board of Regents Conference Room at the University, 4301 Jones Bridge Road, Bethesda, MD 20814.

B. Additional Meetings: Additional meetings shall be called by the Designated Federal Officer of the Board upon the direction of the Chair of the Board of Regents, the USU President, or upon written request of three or more members of the Board. Additional meetings of the Board shall be held at such times and places as shall be specified in the notice of the meeting.

C. Notice of Meetings:

1. Notice of all meetings of the Board shall be sent by the Designated Federal Officer to each member of the Board by mail, fax, electronic mail or telephone.

2. The Designated Federal Officer shall mail a notice not less than fifteen (15) days before any regular meeting. Faxing, emailing, or telephoning a notice shall be done not less than seven (7) days before a regular meeting.

3. The recital by the Executive Secretary in the minutes that notice was given shall be sufficient evidence of the fact.

4. Public announcement of the meetings of the Board shall appear in the Federal Register as provided in the Government in the Sunshine Act. (5 U.S.C. 552b(e)(3))

D. Closure of Meetings: Meetings of the Board shall be open to the public unless a written determination is made to close all or part of a meeting in coordination with General Counsel. The determination shall cite those provisions of 5 U.S.C. 552b(c)(1) that justify closure and a summary of meeting activities shall be prepared and maintained as part of nonpublic Board of Regents files.

E. Quorum: The presence of a majority of all members of the Board will constitute a quorum of the Board. When there are no vacancies on the Board, a quorum means at least eight (8) members must be present in person or via electronic means. A member's duly designated representative, provided the designation includes a proxy, counts for purposes of a quorum.

F. Voting:

1. During a meeting, if a quorum is called for by a member and found not to be present, no further business may be transacted.

2. During a meeting, issues will be determined by voice balloting, unless an individual member of the Board of Regents requests a written ballot.

3. The Chair, Board of Regents, is a member of the voting assembly and has the same right to vote as any other member.

4. Unless otherwise specified, a simple majority vote will determine matters of issue before the Board. In the event of a tie vote, the proposed resolution is lost.

5. At the direction of the Chair, Board of Regents, action may also be taken by a majority of the members by notation voting (that is to say by voting on material circulated to the members individually or serially, or by polling members individually or collectively by mail, telephone, fax, e-mail or a similar procedure). Such action will be reported by the Executive Secretary at the next meeting of the Board.

6. The Secretary of Defense, or the Secretary's designee, or a duly appointed representative of the Secretary's designee is authorized to vote.

7. The Surgeons General of the Uniformed Services, or their duly appointed representatives, are authorized to vote.

8. The USU President is precluded by statute from voting.

9. Except for the USU President, individual members of the Board, to include the designee of the Secretary of Defense, may give proxies to their representatives or to other members of the Board of Regents (allowing them to be counted for quorum purposes and to vote) provided this is done in advance and in writing.

G. Order of Business: The order of business will be at the discretion of the Chair, Board of Regents, unless otherwise specified by the Board.

H. Rules of Order: The rules contained in the current edition of *Robert's Rules of Order Newly Revised* shall govern the Board in all cases in which they are applicable and in which they are not inconsistent with applicable statutes and directives, these bylaws, and any special rules the Board may adopt.

### Article IX

#### Amendment and Effective Date.

A. Amendment: These bylaws may be amended at any meeting of the Board as long as each proposed amendment has been provided to the members at least 60 days before the next scheduled meeting. Amendments will take effect by the affirmative vote of two-thirds (2/3) of the members present.

B. Review: These bylaws shall be reviewed at least every two (2) years.

C. Effective Date: These bylaws are effective May 15, 2015, and supersede previously published bylaws dated May 18, 2012.



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Ronald R. Blanck, D.O.  
Chair, Board of Regents

## **TAB 6**

*Chair's Opening Comments*

## Chair's Opening Comments

- August 4, 2015 Board of Regents self study
- Follow up to Dr. Rice's questions
  - Board electronic votes
  - Advisors to the Board
  - Board Emeritus status
- Submission for the AGB John W. Nason Award for Board Service
- Next meeting - Fall 2015, at USU
  - November 2-3, 2015
  - Meeting calendars at Tab 7
- Liaison Committee on Medical Education (LCME) site visit
  - October 25-28, 2015
- Electronic Board book update
- Courtyard bricks for Board of Regents
- Faculty packet due dates (*Attachment 1*)
- Closed session this afternoon
  - personnel actions
  - active investigations

## USU BOARD OF REGENTS

### Faculty Packet Due Dates

Board Meeting	Final Materials Due to Board*
<b>3 November 2015</b>	5 October 2015
<b>2 February 2016</b>	4 January 2016
<b>20 May 2016</b>	21 April 2016
<b>2 August 2016</b>	1 July 2016
<b>1 November 2016</b>	30 September 2016
<b>7 February 2017</b>	10 January 2017
<b>19 May 2017</b>	21 April 2017
<b>1 August 2017</b>	30 June 2017

**\*Materials not received by the due date will not be presented at the Board of Regents meeting.**

## **TAB 7**

*Meeting Calendars*

**Board of Regents**  
**Uniformed Services University of the Health Sciences**  
**Meeting Calendar**

November 2015						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

December 2015						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

January 2016						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February 2016						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

March 2016						
S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April 2016						
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17	18	19	20	21	22	23
24	25	26	27	28	29	30

May 2016						
S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June 2016						
S	M	T	W	T	F	S
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12	13	14	15	16	17	18
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26	27	28	29	30		

July 2016						
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31						

August 2016						
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28	29	30	31			

September 2016						
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25	26	27	28	29	30	

October 2016						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

**Board of Regents**  
**Uniformed Services University of the Health Sciences**  
**Meeting Calendar**

November 2016						
S	M	T	W	T	F	S
		1	2	3	4	5
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27	28	29	30			

February 2017						
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May 2017						
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August 2017						
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27	28	29	30	31		

December 2016						
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25	26	27	28	29	30	31

March 2017						
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June 2017						
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25	26	27	28	29	30	

September 2017						
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10	11	12	13	14	15	16
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January 2017						
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April 2017						
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July 2017						
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23	24	25	26	27	28	29
30	31					

October 2017						
S	M	T	W	T	F	S
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22	23	24	25	26	27	28
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## **TAB 8**

*Board Meeting Minutes, May 15, 2015*

**Minutes of the Board of Regents,  
Uniformed Services University of the Health Sciences**

**Meeting No. 191  
May 15, 2015**

The Board of Regents, Uniformed Services University of the Health Sciences met on May 15, 2015, at the Uniformed Services University of the Health Sciences, 4301 Jones Bridge Road, Everett Alvarez Jr. Board of Regents Room (D3001), Bethesda, Maryland. The meeting date and agenda items were published in the Federal Register and each Regent was duly notified prior to the meeting. The Board Executive Secretary, Jeffrey L. Longacre, M.D., was present during the meeting along with the Designated Federal Officer (DFO), Mrs. Jennifer K. Nuetzi James. The meeting was called to order at 8:00 a.m. Members and advisors listed below were in attendance:

**Board Members**

Ronald R. Blanck, D.O., Chair  
Sheila P. Burke, M.P.A., Member  
Haile T. Debas, M.D., Member  
GEN Ronald H. Griffith, USA (Ret), Member  
Michael M.E. Johns, M.D., Member  
Charles S. Robb, J.D., Member  
Leo E. Rouse, D.D.S., Member  
Karen S. Guice, M.D., Representing the Assistant Secretary of Defense for Health Affairs  
Charles L. Rice, M.D., President, USU  
MG Joseph Carvalho, Jr., MC, USA, Representing the Surgeon General of the U.S. Army  
RDML Priscilla B. Coe, DC, USN, Representing the Surgeon General of the U.S. Navy  
Maj Gen Dorothy A. Hogg, USAF, NC, Representing the Surgeon General of the U.S. Air Force  
RADM Boris D. Lushniak, USPHS, Representing the Surgeon General of the United States

**Advisors to the Board**

Gen Thomas R. Morgan, USMC (Ret), Military Advisor to the Board  
Arthur L. Kellermann, M.D., M.P.H., Dean, F. Edward Hébert School of Medicine, USU  
Carol Romano, Ph.D., R.N., Dean, Daniel K. Inouye Graduate School of Nursing, USU  
Thomas R. Schneid, D.M.D., M.S., Executive Dean, Postgraduate Dental College, USU  
Col L. Andrew Huff, USAF, MC, Director, Armed Forces Radiobiology Research Institute, USU  
Joshua Girton, J.D., Legal Advisor to the Board of Regents, USU

**OPENING COMMENTS**

Dr. Blanck welcomed new Board of Regents member Dr. Leo Rouse, the four representatives of the Surgeons General and Dr. Thomas Schneid the new Executive Dean of the Postgraduate Dental College. The following points were included in Dr. Blanck's remarks:

- Dr. Blanck noted the final version of the Board governing documents will be voted on today.
- USU Commencement is tomorrow, Saturday, May 16<sup>th</sup>. The next meeting is Summer 2015 and will be held in Norfolk, VA.
- The USU Liaison Committee on Medical Education site visit will occur October 25-28, 2015.
- The Request for Proposals for electronic Board software is under review and will go out soon for bids.

- Regents may purchase bricks in the courtyard. Ms. Nuetzi James has additional information.
- The award approval process continues to be updated.
- Faculty packet due dates are at Attachment 1 and kudos to the Postgraduate Dental College for their timely submissions.
- Dr. Blanck noted that a closed session would occur subsequent to the open session to address personnel actions and active investigations.

## **MATTERS OF GENERAL CONSENT**

Dr. Blanck presented the matters of general consent listed below.

- Minutes of the February 3, 2015 meeting at Tab 8 (electronically approved to meet 90-day reporting requirements)
- Declaration of Board Actions (items already approved between the February meeting and this meeting)

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Approved the matters of general consent as presented.

Dr. Blanck noted the necessity of the Brigade Commander to attend graduation rehearsal today and therefore will present his report early so he may leave the meeting.

## **USU BRIGADE REPORT**

Col Glasz noted the status of orders for the classes broken out by service. Status of initial officer training was reviewed by class. Most students complete this prior to starting school, however, there can be late admissions which will need to complete the training at another point in time. The scrolling process and status of the students were reviewed. Col Glasz noted the challenge of getting the scrolled student lists too early. Another training option, the Medical Officer Survival Training (MOST) was reviewed. Col Glasz noted there is still room for improvement but overall things are going well. General Carvalho asked about situations when training might not occur at the optimal time. Col Glasz and Dean Kellermann noted the priority of officer training courses. Ms. Burke asked about statistics on the civilians. Senator Robb asked about the students promotion schedule after scrolling. General Griffith asked about the timing of ethics training and Col Glasz noted the continual teaching of ethics through the four-year curriculum. Dr. Kellermann noted the re-engineering of the honor code which was student driven and a new dramatic approach to ethics. Col Glasz noted the emphasis on the Service Corps values. Dr. Kellermann noted the focus on creating another module in the curriculum which contains ethics and would be a pass/fail course. Dr. Romano noted a required ethics and policy course for nursing students. General Morgan asked about an outside reviewer of the proposed ethics course for medical students. Dr. Johns noted the importance of “see something, say something” and asked about mental health, which Dr. Reamy noted the extensive resources for USU students. Dr. Kellermann also noted the importance of ethics for faculty and staff. Col Glasz also noted the chaplain and religious personnel are available to assist.

## **BOARD ACTIONS**

### **Degree Granting – School of Medicine**

Dean Kellermann presented for certification the School of Medicine Class of 2015. Each of the 161 students therein has completed the requirements necessary to be awarded the degree of Doctor of Medicine and to enter graduate medical education.

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommendations as presented by Dean Kellermann and recommended that the President confer the degree of Doctor of Medicine on each member of the Class of 2015 as listed.

### **Degree Granting - Graduate Education**

Dr. Kellermann presented for certification 40 candidates to receive graduate degrees in Preventive Medicine and Biostatistics (37 Master's and three Doctoral candidates). Additionally, seven candidates were presented to receive the degree of Doctor of Philosophy (one candidate in the Emerging and Infectious Diseases Graduate Program, one candidate in the Medical and Clinical Psychology Graduate Program, two candidates in the Molecular and Cell Biology Graduate Program and three in the Neuroscience Graduate Program) and three were presented for the degree of Master of Science (two candidates in the Department of Medical and Clinical Psychology and student Lyndsy Meyer who is listed twice on separate documents).

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommendations as presented by Dr. Kellermann and recommended that the university president confer the degrees as stated upon each of the 49 candidates.

### **Degree Granting - Graduate School of Nursing**

Dr. Romano presented for certification 27 candidates to receive degrees. Seven candidates were presented for the Master of Science in Nursing degree (three candidates in the Adult-Gerontology Clinical Specialist Program and four candidates in the Family Nurse Practitioner Program). Twenty candidates were presented for the Doctor of Nursing Practice degree (11 candidates in the Family Nurse Practitioner Program and nine candidates in the Psychiatric Mental Health Nurse Practitioner Program).

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommendations as presented by Dr. Romano and recommended that the university president confer the degrees as stated upon each of the 27 candidates.

### **Degree Granting – Postgraduate Dental College**

Dr. Schneid presented for certification 57 students to receive the Master of Science in Oral Biology degree. In the Army Postgraduate Dental College class, 16 candidates completed the requirements of the Comprehensive Dentistry program. In the Navy Postgraduate Dental College, four candidates completed requirements for the Comprehensive Dentistry program, four candidates completed requirements for the Endodontics program, one candidate completed requirements for the Oral and Maxillofacial Pathology program, three candidates completed the requirements for the Periodontics program, five candidates completed the requirements for the Prosthodontics program and three candidates completed the requirements for the Orofacial Pain program. In the Air Force Postgraduate Dental School, 11 candidates completed the requirements for the Comprehensive Dentistry program, four candidates completed the requirements for the Endodontics program and six candidates completed the requirements for the Tri-Service Orthodontic Residency program.

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommendations as presented by Dr. Schneid and recommended that the university president confer the degrees as stated upon each of the 57 candidates.

### **Faculty Appointments and Promotions – School of Medicine**

Dr. Kellermann presented the recommendations made by the School of Medicine Committee on Appointments, Promotion and Tenure at a meeting held on March 23, 2015 and a separate Committee on Appointments, Promotion and Tenure equivalent meeting on February 25, 2015. Forty-seven individuals were recommended for faculty appointment or promotion.

Upon motion duly made and seconded, the Board

**Vote by voice voted:** Concurred with the recommendations as presented by Dr. Kellermann and recommended that the university president implement the actions for the 47 faculty recommendations.

### **Faculty Appointments and Promotions – Graduate School of Nursing**

Dr. Romano presented the recommendations made by the Daniel K. Inouye Graduate School of Nursing's Committee on Appointments, Promotion and Tenure at a meeting held on December 12, 2014. Four individuals were recommended for faculty appointment or promotion.

Upon motion duly made and seconded, the Board

**Vote by voice voted:** Concurred with the recommendations as presented by Dr. Romano and recommended that the university president implement the actions for the four faculty recommendations.

### **Faculty Appointments and Promotions – Postgraduate Dental College**

Dr. Schneid presented the recommendations made by the Postgraduate Dental College's Committee on Appointments and Promotions at a meeting held on March 17, 2015. Four individuals were recommended for faculty appointment or promotion.

Upon motion duly made and seconded, the Board

**Vote by voice voted:** Concurred with the recommendations as presented by Dr. Schneid and recommended that the university president implement the actions for the four faculty recommendations.

Ms. Burke asked about the diversity of the faculty and the impact that can have on the diversity of recruits and students. Dr. Kellermann noted the efforts of the School of Medicine for diversity with students and faculty including the efforts of the Associate Dean for Clinical Affairs and Diversity. Dr. Romano noted ongoing diversity recruitment efforts within the Graduate School of Nursing. Dr. Schneid noted the Postgraduate Dental College faculty diversity is tied to the diversity of the Services.

### **Award Nominations**

Dr. Kellermann presented the nominations of Dr. Jeffrey Harmon, Dr. Gerald Quinnan and Dr. Christopher Zahn - all departing department Chairs with exceptional contributions to the University and endorsed by the Committee for Names & Honors. Dr. Patrick Sculley presented the nomination of COL Priscilla Hamilton for her distinguished service as Dean of the Army Postgraduate Dental School and endorsed by the Committee for Names & Honors.

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommendation as presented by Dr. Kellermann and Dr. Sculley and recommended that the university president implement the action.

### **Governing Documents**

Dr. Blanck noted the Governing Documents at tabs 19-25 asked if there are any questions. No questions were noted.

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommended documents as presented by Dr. Blanck.

### **PRESIDENT'S REPORT**

The following points were included in Dr. Rice's discussion:

- Dr. Rice welcomed new Board of Regents member Dr. Leo Rouse and highlighted his focus on interprofessional education. He welcomed Dr. Schneid, the new Executive Dean of the Postgraduate Dental College and noted his previous position as Dean of the Air Force Postgraduate Dental School. Dr. Rice also welcomed Dr. Yvonne Maddox, the new Vice President for Research and noted she will be officially starting soon.
- Dr. Rice asked the Board about the use of electronic voting and communication with the Board. Dr. Blanck noted there would be more discussion in August but current communications are not intrusive or cumbersome.
- Dr. Rice also mentioned the use of Board Advisors and the number of advisors. Dr. Blanck asked the Board to review the list of Advisors for discussion in August.
- The possible Emeritus status of Board members was discussed and how other universities approach the issue. Dr. Johns asked about public versus private universities use of Emeritus status. Ms. Burke asked about the purpose of the Emeritus status. Dr. Rice noted the practice used by other universities. Discussion ensued about options for use and structure of Emeritus status.
- The progress of the Enlisted to Medical Degree Preparatory Program (EMDP2) was reviewed with thanks to General Morgan for his advocacy efforts in facilitating Marine Corps applicants.
- The partnerships with NIH were reviewed to include the National Institute of Allergy and Infectious Disease, National Cancer Institute, National Heart Lung and Blood Institute, National Institute of Minority Health and Health Disparities, National Institute of Nursing Research, and the Clinical Center. Dr. Rice noted the assistance of General Clark and the Jackson Foundation in establishing some of these relationships. Dr. Rice noted a collaboration with Dr. Stanley Prusiner at UCSF and the USU CNRM and Dr. Perl. Ms. Burke noted the significance of the collaboration and the relation to a House bill.
- Dr. Rice expressed excitement at the hosting of the Federal Services Dental Educators Workshop on the USU campus next week.

### **ACADEMICS SUMMARY**

Dr. Johns provided a summary of the Academics Preparatory Session tabs 27-30.

- The Academics Preparatory Session included briefs from medicine, nursing, dental, the faculty senate and AFRRI. Two action items were reviewed and will be brought to the full Board.

- Of note in the School of Medicine, the first class of the new curriculum is graduating and has been very successful. The EMDP2 program opportunity was mentioned. The LCME site visit progress was reviewed. The five chair searches were noted.
- One action item noted is the realignment of the Department of Radiobiology which would then become part of the division of Radioprotectants in the School of Medicine Department of Pharmacology. As a recommendation from the preparatory group to the full Board, the action to disestablish the department of Radiobiology was presented for a vote by the Board Chair.

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommendation as presented by Dr. Kellermann and recommended that the university president implement the action.

- The School of Nursing report was reviewed with highlights to include the meeting of the Federal Nursing Service Council with the Congressional Nursing caucus staff. New interprofessional courses have been implemented and Dr. Johns suggested writing up experiences of this implementation. The GSN Strategic plan is being reviewed. School statistics were noted and Dr. Romano noted USU has the first active duty nurse admitted to the fellowship of the American College of Nurse Midwives. Dr. Rouse noted the significance of the interprofessional collaborations.
- The Postgraduate Dental College highlights included the continued progress of the METC affiliation with USU.
- The second action item for consideration is the Air Force's request to affiliate the Lackland prosthodontics program for a Master's Program in Oral Biology which is being brought forward by the preparatory group to the full Board. A start of 1 July with a notification of CODA and the Middle States Commission on Higher Education (MSCHE). The Board Chair presented the affiliation request to the full Board for a vote.

Upon motion duly made and seconded, the Board

**Vote by voice vote:** Concurred with the recommendation as presented by Dr. Schneid and recommended that the university president implement the action.

- The Faculty Senate report raised the issue of faculty salary discrepancies.
- The AFRRI report noted the proposed new division of Radioprotectants in the School of Medicine and the facility modernization work that continues. Additional discussion ensued regarding the ability to develop radioprotectants for those exposed in an operational environment.

## **FINANCE AND ADMINISTRATION SUMMARY**

Dr. Blanck noted that Dr. Brawley previously chaired the Finance and Administration Preparatory Session and with Dr. Brawley's departure, Dr. Kenneth Moritsugu will now assume that duty. However, with Dr. Moritsugu's absence this iteration, Dr. Blanck is providing the Finance and Administration summary which includes tabs 31 & 32.

- Dr. Blanck noted the presentation by Mr. Tinling which included budget execution and funding for the garage renovation. The Health Affairs budgetary pressures (pharmaceutical expenditures) were discussed noting the projected absence of mid-year and end-of-year funds. Dr. Guice noted the current measures taken to decrease spending on pharmaceuticals. Dr. Blanck noted additional funds received by the university for precision medicine and security measures. Discussion ensued regarding the precision

medicine program. Dr. Blanck noted the FY17 POM issues with CDHAM and faculty engagement and mentioned these items to MG Carvalho. The group also discussed having CAPT Diehl present the MODEL survey on global health impacts to the Board.

- The presentation by Mr. Rapp was reviewed, noting the 22 June full live operating capability of the new registrar system. Mr. Rapp has notified the MSCHE of the progress. Additional discussion regarding the student lottery system and how rotations are matched to students. Mr. Rapp noted a June vendor update with consideration for implementing the lottery or leaving it out of the registrar system. The new USU web site update process was reviewed. Dr. Rice asked for Board feedback on the new University web site.
- The Accreditation and Organizational Assessment report was reviewed with notes about the completion of the strategic planning process task force and the standing committee for strategic planning. The LCME self study progress continues. The role of the University in following up with the new potential METC affiliation students to ensure licensure and certification follow up was discussed. Mr. Henske noted the expansive relationship that will need to continue to assure the Services that their members' credentials are current. Dr. Blanck asked about the University relationship with the Joint Chiefs. General Griffith noted the history of the consolidation of the Service medical components and the importance of having a line of coordination with the Joint Chiefs of Staff. Dr. Blanck and Dr. Guice noted the Board meets quarterly with robust discussions that allow engagements of the Vice Chiefs of Staff and connection of medical leadership and the MHS.

#### **BREAK OCCURRED from 9:45am – 10:03am**

Dr. Blanck noted the new standards from MSCHE as a handout at the table.

#### **THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE (HJF) REPORT**

Mr. Lowe expressed thanks and asked the Vice President for Sponsored Programs, Ms. Betsy Folk to present.

- Ms. Folk noted that the HJF report reflects increased USU research support.
- Research is reaching beyond Bethesda to include numerous military and civilian entities.
- Over 1000 HJF employees support USU to include working at other military sites across the U.S., including the Walter Reed National Military Medical Center in support of the Unity of Effort initiative.
- Licensing revenue is on target and there are a variety of active patent and technologies being worked. The Technology Transfer office has a new display in the lobby of building A.
- Dr. Blanck noted the license income and asked about the current patents in process. Dr. Rice expressed the importance of having HJF.

#### **USU INSPECTOR GENERAL'S REPORT**

Mr. Henske reviewed the following points of his report:

- The President's Open Door policy was reviewed and three inputs were noted in the report. Dr. Blanck asked policy questions regarding anonymity and feedback on the program. Dr. Rice noted that the office of Government Ethics cited the University as having a best practice with the Open Door policy.

- Internal Driven Investigations were reviewed including a Google notification, AFRRI time and attendance records, government credit card use, government equipment handling, use of RDT/E funds and MILCON funds used at AFRRI.
- The external investigation into grant and DoD fund usage at a Center was summarized.
- MG Carvalho asked about any challenges working with the Service's IG offices if the need arises. Mr. Henske noted the continued efforts of awareness of his office at the University.

## **LEADERSHIP CURRICULUM REPORT**

COL O'Connor noted the additional information provided to the Board and presented the following points.

- COL O'Connor noted the USU Mission and leadership statements by Dr. Woodson, Dr. Rice and Dr. Kellermann. The role of the department of Military and Emergency Medicine (MEM), the leadership team and the published paper on USU leadership education were noted.
- The PITO (Personal, Interpersonal, Team and Organization) model and the 4C's of Leadership (character, competence, context and communication) teaching goals and how they coincide were presented. COL O'Connor noted ties regarding leadership with the military academies.
- The integration of the PITO model in to the key teaching times with students was noted. Leadership training in the pre-clerkship time period noted a variety of topics covered. MEM provides a program of instruction, not a module. Dr. Johns asked about the integration of the Myers Briggs training. COL O'Connor noted the additional goals of learning who one is taking care of and communicating with versus self-investigation.
- The Medical Field Practicum (MFP 101) was reviewed as was the annual Antietam medical staff walk.
- MG Carvalho asked about the Summer Operational Experience and how students are selected for opportunities.
- Other training opportunities during the curriculum were reviewed and Dr. O'Connor noted the newly added leadership capstone. Faculty leadership training has also been integrated.
- General Griffith noted the importance of the leadership training. RADM Lushniak expressed the importance of the faculty to continually learn and the skill sets being taught here at USU result in true leadership. RADM Lushniak noted that for the PHS there is a continual need for leadership and seeing the USU grads in the field, he noted their skills are beyond compare.
- Discussion ensued regarding faculty leadership training, integration of student training to include HPSP students and ensuring that all students gain effective leadership training. The self-responsibility of professional development was also discussed.

## **USU ALUMNI ASSOCIATION REPORT**

Dr. Ellen DeNigris, Executive Director of the USU Alumni Association presented the following points in the Alumni Association Report:

- This is an update from a report by the USU Alumni Association President at a previous Board meeting.
- The Alumni engagement varies throughout the career.
- Alumni Day invitations will be going out soon for the fourth annual Alumni Day event.

- Membership criteria were reviewed as were ways for the Board to join. There are no fees assessed for membership and they don't fundraise. They do receive funds from the bookstore and the courtyard bricks.
- A brief history of the Alumni Association and the current governance structure were reviewed.
- Suggestions and input from the Board are always welcome. Discussion ensued regarding the importance of communication with the classes as they graduate and through their careers. Dr. DeNigris noted the research in to the web capabilities for alumni to connect with each other.
- MG Carvalho noted the importance of taking advantage of high density alumni locations for gatherings.

#### **OFFICE OF GENERAL COUNSEL REPORT**


Mr. Jason Kaar noted his role as the Designated Agency Ethics Official for the appointed Board members. Mr. Kaar noted the following points:

- Appointed members serve as Special Government Employees and fall under the Government ethics rules.
- The importance of impartiality was discussed as was acting as an agent for a third party. If a member has official standing with an outside organization that could be of benefit to the MHS, they were advised to call the USU legal office to discuss the matter.
- Use of the title as a member of the USU Board has restricted uses and cannot be used to promote something or an individual member.

#### **ADJOURNMENT**

There being no further business on the agenda, Dr. Blanck asked if there was any further information to be brought forward, of which there was none, then adjourned the open portion of the meeting at 11:15 a.m.

SUBMITTED:

  
 Jeffrey L. Longacre, M.D.  
 Executive Secretary, Board of Regents

APPROVED:

\_\_\_\_\_  
 Ronald R. Blanck, D.O.  
 Chair, Board of Regents

Prepared by: Jennifer Nuetzi James, Designated Federal Officer

## **TAB 9**

### *Declaration of Board Actions*



BOARD OF REGENTS

UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712  
<http://www.usuhs.mil>




July 8, 2015

MEMORANDUM FOR CHAIR, BOARD OF REGENTS

SUBJECT: Record of Board Actions

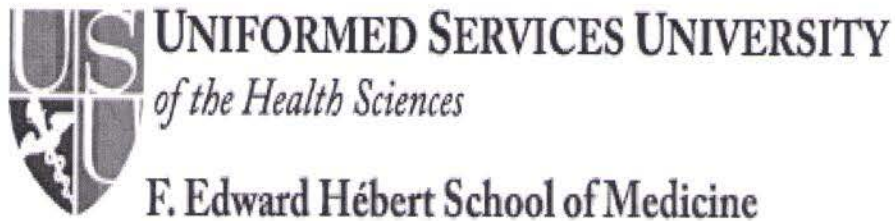
According to the Board of Regents Bylaws, action may be taken by polling members individually or collectively by telephone, fax or e-mail. Any such action is then reported to the Board at an open meeting and recorded appropriately in the minutes of record.

Between the required quarterly May 2015 and August 2015 meetings, the Board of Regents has not voted on any actions nor submitted any recommendations.

  
Jeffrey L. Longacre, M.D.  
Executive Secretary

## **TAB 10**

*Degree Granting:  
F. Edward Hébert School of Medicine  
Doctor of Medicine Candidates*



July 9, 2015

MEMORANDUM FOR THE CHAIR, BOARD OF REGENTS, USUHS  
THROUGH: Dean, School of Medicine

SUBJECT: Recommendation of Fourth-Year Students, Class of 2015

In accordance with SOM-DPM-004-2014 subject: USUHS School of Medicine (SOM) Medical Student Promotions Committee, dated 9 June 2014, the students whose names appear on the Certification List be awarded the degree of Doctor of Medicine and enter graduate medical education, contingent on a passing score of the respective USMLE Step 2 exam. Request that the Dean be authorized to award or withhold the Doctor of Medicine degree based upon their successful completion of program requirements.

This letter of recommendation does not preclude the Dean, School of Medicine, from removing any student listed herein for cause.

A handwritten signature in black ink, appearing to read 'J. Quinlan'.

JEFFREY D. QUINLAN, M.D.  
Captain, Medical Corps, U.S. Navy  
Chair, Student Promotions Committee

Attachment

**For Official Use Only**

CLASS OF 2015  
RECOMMENDED FOR GRADUATION

DAVIS, Deron EARL  
SHANK, Christopher G

## **TAB 11**

*Degree Granting:  
F. Edward Hébert School of Medicine  
Graduate Degree Candidates*

## **Recommended Graduate Degrees - School of Medicine August 2015**

Tab 12	CPT David Barry Doctor of Philosophy Department of Medical and Clinical Psychology
Tab 13	Kimberly Bliven Doctor of Philosophy Emerging Infectious Diseases Graduate Program
Tab 14	Rachel Lazarus Doctor of Philosophy Neuroscience Graduate Program
Tab 15	Michal Moskowitz Doctor of Philosophy Department of Medical and Clinical Psychology
Tab 16	Briana Todd Doctor of Philosophy Department of Medical and Clinical Psychology
Tab 17	CPT Wade DeYoung Master of Science in Public Health Department of Preventive Medicine and Biometrics
Tab 18	2LT Felicia Keith Master of Science Department of Medical and Clinical Psychology
Tab 19	MAJ Anthony Robinson Master of Science in Public Health Department of Preventive Medicine and Biometrics
Tab 20	Lisa Shank Master of Science Department of Medical and Clinical Psychology

## **TAB 12**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*CPT David Barry*

*Medical and Clinical Psychology Graduate Program*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



June 30, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Doctor of Philosophy effective upon your approval:

**CPT David Barry**

**DOCTOR OF PHILOSOPHY**

Medical and Clinical Psychology Graduate Program

Attached is the candidate's certification of successful completion of the Final Examination. Also attached are the Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



FINAL EXAMINATION/PRIVATE DEFENSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN THE MEDICAL AND CLINICAL PSYCHOLOGY GRADUATE PROGRAM





Name of Student: David Barry

Date of Examination: May 7, 2014

Time: 8:00am

Place: B4004

DECISION OF EXAMINATION COMMITTEE MEMBERS:

	PASS	FAIL
 _____ Dr. Andrew Waters DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Committee Chairperson	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Mark Ettenhofer DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Dissertation Advisor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Cara Olsen DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Marjan Holloway DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814

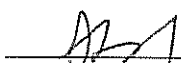


DISSERTATION APPROVAL FOR THE DOCTORAL DISSERTATION IN THE MEDICAL AND  
CLINICAL PSYCHOLOGY GRADUATE PROGRAM

Title of Dissertation: "Evaluating a Novel Eye Tracking Tool to Detect Invalid Responding in  
Neurocognitive Assessment"

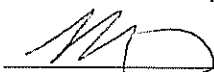
Name of Candidate: David Barry  
Doctor of Philosophy Degree  
May 7, 2014

DISSERTATION AND ABSTRACT APPROVED:


  
\_\_\_\_\_  
Dr. Andrew Waters  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Chairperson

DATE:

5/7/14

  
\_\_\_\_\_  
Dr. Mark Ettenhofer  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Dissertation Advisor

5/7/14

  
\_\_\_\_\_  
Dr. Cara Olsen  
DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS  
Committee Member

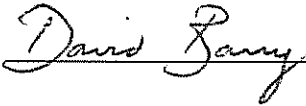
5/7/14

Marjan G. Holloway, Ph.D.  
Dr. Marjan Holloway  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Member

5-7-2014

## Copyright Statement

The author hereby certifies that the use of any copyrighted material in the dissertation manuscript entitled “Evaluating a Novel Eye-Tracking Tool to Detect Invalid Responding in Neurocognitive Assessment” is appropriately acknowledged and, beyond brief excerpts, is with the permission of the copyright owner.

A handwritten signature in cursive script, reading "David Barry", is written over a horizontal line.

David M. Barry

## ABSTRACT

Evaluating a Novel Eye-Tracking Tool to Detect Invalid Responding in Neurocognitive Assessment

David M. Barry, Ph.D., 2015

Thesis directed by: Mark Ettenhofer, Ph.D., Assistant Professor, Department of Medical and Clinical Psychology

**INTRODUCTION:** Valid symptom report and test performance are essential prerequisites for the accurate interpretation of neurocognitive or neuropsychological assessment data. Unfortunately, base rates of invalid responding in civilian and military contexts suggest that symptom exaggeration and underperformance are common in these types of assessments. Many response validity tests (RVTs) have been developed and derived to detect invalid responding, but these measures are limited by lengthy administration times, limited sensitivity, and susceptibility to coaching.. This dissertation project evaluated a novel eye-tracking tool, the Bethesda Eye & Attention Measure (BEAM), as a method for detecting invalid responding in neurocognitive assessment.

**METHODS:** A prospective, simulator study compared neurocognitive battery performance between two group of healthy adults: an unbiased group (n=26) instructed to perform their best and a biased group (n=24) instructed to simulate deficits associated with head injury. The biased group was given a warning to fake believably. Results

from the simulator study were cross-validated in a clinical sample of unbiased responders with a history of mild TBI (n=19).

**RESULTS:** Of the 29 BEAM metrics evaluated in the simulator study, 12 demonstrated outstanding classification accuracy ( $AUC \geq .90$ ). Overall Saccadic Reaction Time Intra-Individual Variability ( $AUC = .97$ ) and Overall Manual Reaction Time Intra-Individual Variability ( $AUC = .97$ ) demonstrated the best classification accuracy among the BEAM variables. The BEAM performed favorably when compared to well-validated embedded and freestanding response validity tests—including the CPT-II, WAIS-IV Digit Span, Trail Making Test A & B, MSVT, and VSVT. Several BEAM metrics identified in the simulator study demonstrated outstanding classification accuracy in the clinical sample.

**DISCUSSION:** The BEAM demonstrated considerable promise as a tool to detect invalid responding in neurocognitive assessment. Consistent with the literature on continuous performance tests, BEAM reaction time intra-individual variability, omissions, and commissions demonstrated the best classification of invalid responding behavior in both experimental and clinical samples. This study adds to the extant response validity literature by demonstrating that saccadic performance in a continuous performance test may be used to detect invalid responding. Results from the simulator study were cross-validated in a clinically-relevant population, providing preliminary evidence supporting the BEAM's clinical utility as a response validity test. Additional research should evaluate the BEAM's ability to identify invalid responding in larger, more heterogeneous groups of persons with and without neurological conditions.

EVALUATING A NOVEL EYE TRACKING TOOL TO DETECT INVALID  
RESPONDING IN NEUROCOGNITIVE ASSESSMENT

by

David M. Barry

Dissertation submitted to the Faculty of the  
Medical and Clinical Psychology Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Doctor of Philosophy 2014

## *CURRICULUM VITAE*

**David Michael Barry, M.S.**  
*Captain, Medical Service Corps, United States Army*

### Home

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

### Office

Uniformed Services University of the Health Sciences  
Department of Medical & Clinical Psychology  
4301 Jones Bridge Road  
Bethesda, MD 20814  
(301) 295-3272

## EDUCATION

2010-Present    **Ph.D. Candidate**, Clinical Psychology (Expected Completion: September 2015)  
                    **Master of Science**, Clinical Psychology, 2013  
                    Dissertation Status: *Defended, May 2014*  
                    Department of Medical and Clinical Psychology  
                    Uniformed Services University of the Health Sciences: Bethesda, MD  
                    Cumulative GPA: 4.0

2002-2006      **Bachelor of Science**  
                    Major: Engineering Science  
                    Minors: Human and Organizational Development; Management of Technology  
                    Vanderbilt University: Nashville, TN  
                    Cumulative GPA: 3.8

## ACADEMIC HONORS AND AWARDS

2015	Best Prospective Research Presentation, Madigan Army Medical Center Research Day
2014	National Psychologist Trainee Register (NPTR) Credentialing Scholarship
2014	Best Poem Award, 2014 Apollo Society Poetry Competition
2013	American Psychological Association Dissertation Research Award
2011-2014	Top Military Student in Cohort (#1 of 6), Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences (USUHS)
2012	Oral Presentation Finalist, 2012 USUHS Graduate Programs Research Colloquium
2006	Dean's Award for Outstanding Scholarship, Vanderbilt University School of Engineering
2006	Society of American Military Engineers (National) ROTC Bronze Medal (3 <sup>rd</sup> best engineering student amongst all graduating ROTC cadets nationwide)
2005	Society of American Military Engineers (Nashville Post) Scholarship
2005	Vanderbilt School of Engineering Wilson L. and Nellie Pyle Miser Scholarship
2004	Armed Forces Communications and Electronics Association Scholarship for Outstanding

- ROTC Cadets
- 2003 Most Outstanding New Fraternity Member, Vanderbilt University Office of Greek Life
- 2002 Best Mechanical Engineering Project, Introduction to Engineering Design Fair, Vanderbilt University School of Engineering
- 2002 Army ROTC 4-Year Scholarship
- 2002 National Football Foundation Scholar-Athlete Scholarship

## **MILITARY HONORS AND AWARDS**

- 2006 Distinguished Graduate, Engineer Officer Basic Course
- 2006 Distinguished Military Graduate, Vanderbilt University Army ROTC
- 2006 Distinguished Honor Graduate, US Army Air Assault School

## **MILITARY MEDALS, TABS, BADGES, AND CERTIFICATIONS**

Bronze Star, Army Commendation Medal, Army Achievement Medal with Two Oak Leaf Clusters, Overseas Service Ribbon, Iraq Campaign Medal with Two Campaign Stars, Global War on Terrorism Service Medal, Army Service Ribbon, National Defense Service Medal, Ranger Tab, Combat Action Badge, Parachutist Badge, Air Assault Badge, and Level I Combatives Certification

## **PROFESSIONAL AFFILIATIONS, MEMBERSHIPS, AND ACTIVITIES**

*Ad hoc reviewer: Military Psychology*

- 2013-Present Association of Psychological Science (APS)
- 2012-Present International Neuropsychological Society (INS)
- 2010-Present American Psychological Association (APA)
  - Division 19: The Society for Military Psychology
  - Division 40: The Society for Clinical Neuropsychology
- 2010-Present American Psychological Association of Graduate Students (APAGS)
- 2010-Present Maryland Psychological Association (MPA)
- 2010-Present Maryland Psychological Association for Graduate Students (MPAGS)
- 2006-Present Tau Beta Pi – National Engineering Honor Society

## **CLINICAL EXPERIENCE**

- 2014-Present **Clinical Psychology Intern, Madigan Army Medical Center, Tacoma, WA**
  - *Director of Training: MAJ Amanda Robbins, Psy.D. (US Army)*
  - *Outpatient Behavioral Health Rotation Supervisor: Karstin Slade, Ph.D.*
  - *Intensive Outpatient Program Rotation Supervisor: Tim Hoyt, Ph.D.*

Develop professional competencies required to serve as an Army clinical psychologist. Complete rotations with outpatient behavioral health, intensive outpatient program, neuropsychology, and primary care psychology.

- 2013-2014 **Practicum Student, Naval Health Clinic-Annapolis, Annapolis, MD**
  - *Adult Outpatient Clinic Externship, Jun 2013-April 2014*
  - *Supervisor: CDR Samuel Dutton, Ph.D., M.P. (US Public Health Service)*

Conducted clinical intakes and individual therapy for US Naval Academy midshipmen, active duty and retired Service Members, and their dependents. Treated depression,

anxiety, PTSD, substance abuse/dependence, and other behavioral health problems. Developed knowledge of adjunct psychopharmacological intervention under the supervision of a medical psychologist with prescription privileges. Developed advanced note-writing and clinical annotation skills using AHLTA.

**2012-2013      Practicum Student, Walter Reed National Military Medical Center, Bethesda, MD**

- Outpatient Behavioral Health Externship, Jul 2012-May 2013
- *Supervisor: CPT Brandy Hellman, Psy.D. (US Army)*

Conducted clinical intakes, group therapy, and long-term individual therapy for active duty Service Members with depression, PTSD, chronic pain, substance abuse, and other behavioral health problems. Coordinated with interdisciplinary team of military and civilian psychiatrists, social workers, substance abuse counselors, and Warrior Transition Unit personnel to provide comprehensive care for patients. Coordinated with inpatient treatment facilities within and outside the military health system. Conducted in-person and video teleconference evaluations to determine psychological fitness for duty or appropriateness for specialized positions. Developed chart review skills in AHLTA.

**2012-2013      Practicum Student, National Institutes of Health, Bethesda, MD**

- Neuropsychology Externship, Jul 2012-Jun 2013
- *Supervisor: Joseph Snow, Ph.D., ABPP*

Assessed cognitive, emotional, and behavioral functioning within a diverse population of children, adolescents, and adults referred for neuropsychological evaluation. Frequently assessed clients with dementia, brain tumors, HIV/AIDS, and rare genetic disorders. Assessed several international clients using interpreters and empirically-derived, culturally appropriate tests and normative values. Administered, scored, and wrote integrative reports for 29 neuropsychological assessments.

**2011-2012      Practicum Student, Washington, DC Veterans Administration Medical Center, Washington, DC**

- Health Psychology Externship, Aug 2011-May 2012
- *Supervisor: Ali Esfandiari, Ph.D.*

Conducted individual and group therapy for veterans with chronic pain and other health-related psychological problems. Conducted organ transplant suitability evaluations, brief psychological assessments for the Pain Clinic, and neuropsychological assessments. Worked extensively with veterans presenting with HIV/AIDS, end-stage renal failure, chronic PTSD, sexual trauma, depression, and substance abuse/dependence. Collaborated with interdisciplinary healthcare team of psychiatrists, social workers, nurses, and physical medicine and rehabilitation physicians.

- Psychosocial Rehabilitation and Recovery Center (PRRC), May 2011-Aug 2011
- *Supervisors: Melanie Paci, Psy.D., Tracela White, Ph.D., & Parin Zaveri, Ph.D.*

Planned and led weekly group therapy sessions for veterans with significant psychopathology. Groups included "Group Treatment for Substance Abuse," "Social Skills for Schizophrenia," and "Cognitive Training: Improving Memory and Attention."

- Primary Care Behavioral Health (PCBH), May 2011-Aug 2011

- *Supervisors: Melanie Paci, Psy.D. and Tracela White, Ph.D.*

Conducted behavioral health intakes for veterans presenting with both physical problems and mental health concerns. Wrote comprehensive intake summaries and referred veterans to appropriate providers.

## **SPECIALIZED CLINICAL TRAINING**

2015	Collaborative Assessment and Management of Suicidality (CAMS)
2015	Cognitive-Behavioral Conjoint Therapy (CBCT) for PTSD
2015	Eye Movement Desensitization and Reprocessing (EMDR): Level 2
2015	Cognitive Processing Therapy (CPT)
2014	Attention Deficit Hyperactivity Disorder (ADHD) Assessment and Treatment
2014	Prolonged Exposure (PE)
2014	Eye Movement Desensitization and Reprocessing (EMDR): Level 1

## **GRADUATE STUDENT LEADERSHIP EXPERIENCE**

2013-Present American Psychological Association's Division 19: The Society for Military Psychology

*2014-Present:* National Membership Chair

*2014-Present:* Past Chair, National Student Affairs Committee

*2013:* Chair, National Student Affairs Committee

Represented over 500 graduate and undergraduate psychology students as a member of the Division 19 Executive Committee. Worked extensively with leaders in the field of military psychology to provide mentorship, leadership, and professional development opportunities for psychology students. Developed a national Military Psychology Student Chapter Network to enhance visibility of military psychology careers and resources. Coordinated applications and evaluations for Student Travel Awards and Student Research Grants. Planned, coordinated, and executed multiple student events at the 2013 APA Convention involving leaders in the DoD, VA, and civilian workforce.

2011-2013 Army Student Mentor, Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

Implemented a student-led, joint officer professional development program within the department. Disseminated Army-relevant training and administrative protocols to Army psychology students. Enhanced visibility of the USUHS Clinical Psychology Ph.D program by updating the department website, corresponding with program applicants, and coordinating applicant sponsors during interviews and inprocessing.

2011 Military Student Representative to the Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

Attended monthly faculty meetings and provided military student input to faculty members. Disseminated faculty meeting minutes to students. Coordinated with faculty members to establish a military mentorship program within the department.

Last Updated: May 19, 2015

2010-2013      USUHS Campus Representative, Maryland Psychological Association for Graduate Students (MPAGS)

Disseminated Maryland-based professional development and networking opportunities to USUHS students. Attended annual conferences and social events with other graduate psychology students in Maryland.

## **TEACHING EXPERIENCE**

2013            Teaching Assistant, Brief Dynamic Therapy, Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

2012            Invited Guest Lecturer, "Group Therapy," Psychiatric Nurse Residency Course at Walter Reed National Military Medical Center

2012            Teaching Assistant, Art of Psychotherapy, Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

2012            Teaching Assistant, Clinical Assessment III, Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

2011-2012      Teaching Assistant, Clinical Assessment II, Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

2011            Teaching Assistant, Clinical Assessment I, Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

## **MILITARY EXPERIENCE**

2010-Present    Clinical Psychology Ph.D. Student, Medical and Clinical Psychology Department, Uniformed Services University of the Health Sciences, Bethesda, MD

2009-2010      Battalion Logistics Officer (S4), 1<sup>st</sup> Battalion, 66<sup>th</sup> Armor Regiment, 1<sup>st</sup> Brigade Combat Team, 4<sup>th</sup> Infantry Division (Mechanized), Fort Carson, CO

Served as a primary staff adviser to the Battalion Commander. Planned, coordinated, and executed all supply, maintenance, and transportation operations in support of the mission set for a mechanized, combined arms battalion of over 800 Soldiers. Coordinated equipment procurement and distribution for the first Heavy Brigade Combat Team (HBCT) to deploy to Afghanistan. Managed a multimillion dollar budget, including the battalion's Government Purchase Card accounts for six company-sized elements.

2008-2009      Battalion Engineer, 1<sup>st</sup> Battalion, 66<sup>th</sup> Armor Regiment, 1<sup>st</sup> Brigade Combat Team, 4<sup>th</sup> Infantry Division (Mechanized), Fort Carson, CO

Planned and executed mobility, countermobility, and sustainability/force protection operations for a mechanized, combined arms battalion of over 800 Soldiers. During deployment operations, planned and executed over 40 checkpoint construction projects until hostile fire conditions. Coordinated and planned weekly route clearance schedules to clear routes in east Baghdad of improved explosive devices (IEDs).

Last Updated: May 19, 2015

- 2008-2009      Combat Deployment in Support of Operation Iraqi Freedom 07-09, Baghdad, Iraq
- 2007-2008      Combat Engineer Platoon Leader, E Company, 1<sup>st</sup> Battalion, 66<sup>th</sup> Armor Regiment, 1<sup>st</sup> Brigade Combat Team, 4<sup>th</sup> Infantry Division (Mechanized), Fort Hood, TX
- Led a 28-man platoon in training and combat operations to accomplish engineer missions in support of a mechanized, combined arms battalion's mission set. Responsible for the accountability and operation of over \$16 million of property, including four Bradley Fighting Vehicles. During deployment operations, responsible for planning and executing daily route clearance missions in east Baghdad to remove IEDs from the area of operations.
- 2006-2007      Graduated Engineer Officer Basic Course at Fort Leonard Wood, MO; Ranger School and Airborne School at Fort Benning, GA; Air Assault School at Fort Campbell, KY
- 2006              Commissioned as a United States Army Corps of Engineers Second Lieutenant

## RESEARCH EXPERIENCE

- 2015-Present    Co-Principal Investigator, Intensive Outpatient Program, Department of Behavioral Health, Madigan Army Medical Center
- Co-designed retrospective study to evaluate treatment outcomes of patients enrolled in the Intensive Outpatient Program
  - Designed algorithms to assess and predict patient flow and resource allocation
- 2012-2014      Dissertation Project Study Coordinator, Ettenhofer Neurocognitive Research Lab
- Designed prospective, experimental study to evaluate eye movements as a potential method to detect invalid responding in neurocognitive assessment
  - Defended dissertation in May 2014
- 2010-2014      Eye Tracking Research Study Coordinator, Ettenhofer Neurocognitive Research Lab
- Spearheaded recruitment efforts that led to over 120 eye tracking study participants with and without a history of head injury
  - Implemented and supervised the data collection, data entry, and statistical analysis protocols for all eye tracking projects
  - Prepared eye tracking training protocols for lab members and organized demonstrations for potential collaborators
  - Presented eye tracking research findings at numerous conferences and settings
- 2010-2011      Eye Tracking Software Developer, Ettenhofer Neurocognitive Research Lab
- Co-designed conceptual framework and coordinated programming for the Bethesda Eye and Attention Measure (BEAM), a computer paradigm that measures saccadic and motor performance to assess neurocognitive performance
  - Developed coding logic and scoring software for the BEAM that enabled rapid data analysis and program compatibility across a variety of system platforms
  - Co-developed the I-BEAM, an alternate version of the BEAM designed for use in neuroimaging studies

## PATENTS

Ettenhofer, M. L. & **Barry, D. M.** (2013). Enhanced Neuropsychological Assessment with Eye Tracking. U.S. Patent Application #61/779,801, filed March 13, 2013. Patent pending.

## RESEARCH PUBLICATIONS

**Barry, D. M.** (in press). Matches. *Military Medicine*.

Ettenhofer, M. L., Reinhardt, L. E., & **Barry, D. M.** (2013). Predictors of neurobehavioral symptoms in a university population: A multivariate approach using a postconcussive symptom questionnaire. *Journal of the International Neuropsychological Society*, 19(9), 977-985.

DeLeon, P. H. & **Barry, D. M.** (2013). Leading the way in uncharted waters. *The Military Psychologist*, 28(2), 21-22.

Ettenhofer, M. L. & **Barry, D. M.** (2012). A comparison of long-term postconcussive symptoms between university students with and without a history of mild traumatic brain injury or orthopedic injury. *Journal of the International Neuropsychological Society*, 18(3), 451-460.

## ORAL RESEARCH PRESENTATIONS

**Barry, D. M.** (2015, April). Evaluating a novel eye tracking tool to detect invalid responding in neurocognitive assessment. Paper presented at Madigan Army Medical Center Research Day. Tacoma, WA.

**Barry, D. M.** (2014, May). Evaluating a novel eye tracking tool to detect invalid responding in neurocognitive assessment. Paper presented at Uniformed Services University Doctoral Dissertation Defense Seminar. Bethesda, MD.

**Barry, D. M.**, Lunsford, K. E., & Ettenhofer, M. L. (2013, May). The Bethesda Eye & Attention Measure: A novel eye tracking task. In M. L. Ettenhofer (Chair), *Eye Tracking Assessment of Neurocognitive Functions*. Symposium conducted at the 25th Annual Convention of the Association for Psychological Science, Washington, D.C.

Ettenhofer, M. L., & **Barry, D. M.** (2013, May). Applications of eye tracking in neurocognitive assessment. In M. L. Ettenhofer (Chair), *Eye Tracking Assessment of Neurocognitive Functions*. Symposium conducted at the 25th Annual Convention of the Association for Psychological Science, Washington, D.C.

Lunsford, K. E., **Barry, D. M.**, Parker, J. R., Durham, T. L., Reinhardt, L. & Ettenhofer, M. L. (2013, May). The Bethesda Eye & Attention Measure: Construct validity and future directions. In M. L. Ettenhofer (Chair), *Eye Tracking Assessment of Neurocognitive Functions*. Symposium conducted at the 25th Annual Convention of the Association for Psychological Science, Washington, D.C.

**Barry, D.**, Girard, D., Mirochnitchenko, D., Zeckler, G., Reinhardt, L., Brewer, S., Landenburger, A., &

Ettenhofer, M. (2012, May). Development of the Bethesda Eye & Attention Measure (BEAM) to evaluate neurocognitive function. Paper presented at the Uniformed Services University Graduate Programs Research Colloquium, Bethesda, MD.

**Barry, D.**, Girard, D., Mirochnitchenko, D., Zeckler, G., Reinhardt, L., Brewer, S., Landenburger, A., & Ettenhofer, M. (2012, April). Development of the Bethesda Eye & Attention Measure (BEAM) to evaluate neurocognitive function. Paper presented at the Uniformed Services University Medical & Clinical Psychology Department Seminar, Bethesda, MD.

## **OTHER RESEARCH PRESENTATIONS**

Hershaw, J. N., Guise, B. J., **Barry, D.**, Safford, A., & Ettenhofer, M. L. (2014, August). Cognitive control of proactive interference and its correlates with working memory and inhibition. Poster presented at the annual meeting of the American Psychological Association, Washington, DC.

**Barry, D. M.**, Anagnostopoulos, V., Williams, K., Littmann, M., Lunsford, K. E., Kegel, J., Devane, A., Hershaw, J. N., & Ettenhofer, M. L. (2014, April). Evaluating a novel eye tracking tool to detect invalid responding in neurocognitive assessment. Poster presented at the 4th Annual Traumatic Brain Injury Conference, Washington, D.C.

Ettenhofer, M. L., **Barry, D. M.**, Reinhardt, L. E., Lunsford, K. E., & Devane, A. (2014, April). Neurocognitive eye tracking outperforms conventional measures for mild TBI assessment. Poster presented at the 4th Annual Traumatic Brain Injury Conference, Washington, D.C.

Williams, K., **Barry, D.**, Guise, B. J., Littmann, M., & Ettenhofer, M. L. (2014, March). Anxiety predicts self-reported postconcussive symptom levels in remote TBI. Poster session presented at the National Capital Area TBI Research Symposium. Bethesda, MD.

**Barry, D.**, Zeckler, G., Brewer, S., Girard, D., Mirochnitchenko, D., Reinhardt, L., & Ettenhofer, M. (2012, August). Correlates of a novel eye-tracking assessment: Cognition, depression, traumatic stress, combat exposure, and fatigue. Poster session presented at the 2012 Military Health System Research Symposium, Ft. Lauderdale, FL.

Brewer, S., Mirochnitchenko, D., Landenburger, A., McCreight, S., **Barry, D.**, Ettenhofer, M. (2012, May). Virtual reality driving assessment of combat exposure effects. Poster session presented at Uniformed Services University Research Week, Bethesda, MD.

**Barry, D.**, Girard, D., Mirochnitchenko, D., Zeckler, G., Reinhardt, L., & Ettenhofer, M. (2011, December). Eye tracking assessment of mild traumatic brain injury: A pilot study of the Bethesda Eye and Attention Measure (BEAM). Poster session presented at the 4th Annual Trauma Spectrum Conference, Bethesda, MD.

**Barry, D. M.**, Mirochnitchenko, D. O., Reinhardt, L. E., Breckenridge, I. A., & Ettenhofer, M. L. (2011, May). Factor structure of long-term postconcussive symptoms in a university population. Poster session presented at Uniformed Services University Research Week, Bethesda, MD.

**Barry, D. M.**, Girard, D. M., Mirochnitchenko, D. O., & Ettenhofer, M. L. (2011, May). The RETiNA project: Eye tracking assessment of neurocognitive status after mild traumatic brain injury. Poster session presented at Uniformed Services University Research Week, Bethesda, MD.

Last Updated: May 19, 2015

Ettenhofer, M. L., **Barry, D.**, Reinhardt, L., Mirochnitchenko, D. (2011, April). The RETiNA project: Reliable Eye Tracking in Neurocognitive Assessment. Paper presented at the Annual Meeting of the Center for Neuroscience and Regenerative Medicine, Bethesda, MD.

## **TAB 13**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*Kimberly Bliven*

*Emerging and Infectious Diseases Graduate Program*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



June 30, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Doctor of Philosophy effective upon your approval:

**Kimberly Bliven**

DOCTOR OF PHILOSOPHY

Emerging Infectious Diseases Graduate Program

Attached is the candidate's certification of successful completion of the Final Examination. Also attached are the Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



FINAL EXAMINATION/PRIVATE DEFENSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN THE EMERGING INFECTIOUS DISEASES GRADUATE PROGRAM

Name of Student: Kimberly Bliven

Date of Examination: April 24, 2015

Time: 1:00pm

Place: B4-144

DECISION OF EXAMINATION COMMITTEE MEMBERS:

	PASS	FAIL
<u>DS Merrell</u> Dr. Scott Merrell DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY Committee Chairperson	<u>X</u>	___
<u>Alison O'Brien</u> Dr. Alison O'Brien DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY Dissertation Advisor	<u>X</u>	___
<u>BCH</u> Dr. Brian Schaefer DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY Committee Member	<u>X</u>	___
<u>Rachel Cox</u> Dr. Rachel Cox DEPARTMENT OF BIOCHEMISTRY Committee Member	<u>X</u>	___
<u>Anthony Maurelli</u> Dr. Anthony Maurelli DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY Committee Member	<u>✓</u>	___



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



DISSERTATION APPROVAL FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN THE EMERGING  
INFECTIOUS DISEASES GRADUATE PROGRAM

Title of Dissertation: "Pathoadaptation of the Intracellular Bacteria *Shigella* and *Chlamydia*: Virulence, Antivirulence, and Tissue Tropism"

Name of Candidate: Kimberly Bliven  
Doctor of Philosophy Degree  
April 27, 2015

DISSERTATION AND ABSTRACT APPROVED:

DS Merrell  
Dr. Scott Merrell  
DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY  
Committee Chairperson

DATE:

4/27/15

Alison O'Brien  
Dr. Alison O'Brien  
DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY  
Dissertation Advisor

4/27/15

Brian Schaefer  
Dr. Brian Schaefer  
DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY  
Committee Member

4/27/15

Rachel Cox  
Dr. Rachel Cox  
DEPARTMENT OF BIOCHEMISTRY  
Outside Committee Member

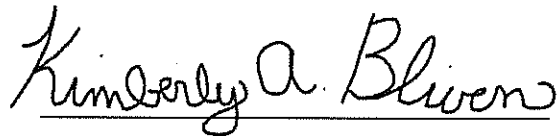
4/27/15

Anthony Maurelli  
Dr. Anthony Maurelli  
DEPARTMENT OF MICROBIOLOGY & IMMUNOLOGY  
Committee Member

06-01-15

## COPYRIGHT STATEMENT

The author hereby certifies that the use of any copyrighted material in the dissertation manuscript entitled: 'Pathoadaptation of the Intracellular Bacteria *Shigella* and *Chlamydia*: Virulence, Antivirulence, and Tissue Tropism' is appropriately acknowledged and, beyond brief excerpts, is with the permission of the copyright owner.

A handwritten signature in black ink, reading "Kimberly A. Bliven". The signature is written in a cursive style with a horizontal line underneath the name.

Kimberly A. Bliven

August 4, 2015

## ABSTRACT

Pathoadaptation of the Intracellular Bacteria *Shigella* and *Chlamydia*: Virulence, Antivirulence, and Tissue Tropism

Kimberly A. Bliven, Doctor of Philosophy 2015

Thesis directed by: Anthony T. Maurelli, Professor, Department of Microbiology and Immunology (MIC)

Horizontal transfer of pathogenicity islands or plasmids can enable bacterial adaptation to novel pathogenic niches. Success in the new niche is dependent on conservation of advantageous genes and concomitant inactivation or loss of deleterious or unnecessary alleles. For example, the acquisition of type three secretion systems (T3SSs) by *Shigella* and *Chlamydia* species facilitated entry into and exploitation of eukaryotic host cells. Conversely, both microbes experienced significant pseudogenization and genome reduction as a result of adaptation to the intracellular lifestyle. The pathogenic *Shigella* evolved from commensal *Escherichia coli* ancestors following acquisition of a large virulence plasmid carrying the T3SS. Antivirulence genes (AVGs) inhibitory to the new intracellular niche have been inactivated or lost from all strains. To identify novel *Shigella* AVGs, a contracted version of the large virulence plasmid was created using the minimal genes required for T3SS expression and assembly. Termed the *Shigella* minimally invasive plasmid (Smip), this construct was transformed into a *S. flexneri*

strain cured of the large virulence plasmid (BS103), and the virulence phenotypes of the resulting strain characterized. BS103/Smip was capable of host cell entry, demonstrating the presence of a functional T3SS. However, although expression of the Smip in commensal *E. coli* isolates permitted host cell entry, invasion was severely attenuated compared to wild type *Shigella*. In two *E. coli*/Smip isolates, T3SS expression was severely inhibited at the level of the T3SS transcriptional regulators, *virF* and *virB*, indicating that multiple virulence inhibitors (potential AVGs) are likely present in these strains. As part of a second project exploring pathogen evolution, the activity and expression of the arginine decarboxylase enzyme (AaxB) in *Chlamydia* was examined. *Chlamydia* species infect a wide variety of different hosts and tissues, although the genetic basis for host and tissue tropism is still under investigation. While functional AaxB is conserved in the majority of zoonotic *Chlamydia* species, two distinct mutational events have inactivated this protein in serovars of the human-specific *C. trachomatis* strains. Furthermore, uncleaved protein production peaked at 20 hours post-infection, while cleavage occurred optimally at 44 hours. Potential roles for the AaxB enzyme in virulence and tissue tropism will be discussed.

Pathoadaptation of the Intracellular Bacteria *Shigella* and *Chlamydia*: Virulence,  
Antivirulence, and Tissue Tropism

by

Kimberly A. Bliven

Dissertation submitted to the Faculty of the  
Emerging Infectious Diseases (EID) Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Doctor of Philosophy 2015

Kimberly A. Bliven, Ph.D.

Cell: (708) 399-1335

Office: (708) 295-2955

kbliven@uic.edu

## **Education**

- 09/2008 – 05/2015      **Ph.D. (Emerging Infectious Diseases)**  
Uniformed Services University of Health Sciences, Bethesda, MD
- 09/2003 - 05/2008      **B.S. Biology (Chemistry & Biotechnology Minors)**  
University of Wisconsin-Platteville, Platteville, WI

## **Professional Experience**

- 09/2008 – 05/2015      **Ph.D. Candidate**  
*Uniformed Services University of the Health Sciences, Bethesda, MD*  
Developed and executed experiments on bacteria (*Shigella/Chlamydia*).  
Analyzed data and wrote manuscripts for publication. Managed laboratory.
- 01/2005 - 12/2007      **Public Relations Writer**  
*Public Relations Office, University of Wisconsin-Platteville, Platteville, WI*  
Interviewed clients and wrote news articles for the university's Alumni Today magazine and the UW-Platteville website.
- 05/2006 - 08/2006      **Research Intern**  
*Marshfield Clinic Research Foundation, Marshfield, WI*  
Determined the genetic basis for antimicrobial resistance of *Salmonella* isolates.
- 05/2002 - 08/2005      **Research Assistant**  
05/2007 - 08/2007      *BSL-3 laboratory, Marshfield Clinic Research Foundation, Marshfield, WI*  
Assisted in local and statewide surveillance of West Nile Virus in mosquito and bird populations. Completed preliminary beta testing of a new MRSA rapid-detection assay in a clinical microbiology laboratory. BSL-3 trained.

## **Peer-Reviewed Publications**

- Bliven KA, Lampel KA. *Shigella*. In: Foodborne Diseases. (In preparation.)
- Bliven KA, Maurelli AT. Evolution of bacterial pathogens within the human host. In: Virulence Mechanisms of Bacterial Pathogens. (Accepted, pending publication.)
- Bliven KA, Lampel KA. *Shigella*: virulence factors and pathogenicity. In: Foodborne Pathogens: Virulence Factors and Host Susceptibility. (Accepted, pending publication.)
- Bliven KA, Rosselin M, Prunier AL, Anriany Y, Maurelli AT. The Smip: a valuable tool for studying the contribution of *Shigella* T3SS genes to virulence. (In preparation.)
- Bliven KA, Maurelli AT. *Shigella* and antivirulence: the dark side of bacterial evolution. In *Shigella*: Molecular and Cellular Biology. (Accepted, pending publication.)
- Bliven KA, Maurelli AT. 2012. Antivirulence genes: insights into pathogen evolution through gene loss. Infect. Immun. 80:4061-70.

Cell: (715) 224-1111  
Office: (715) 224-1111

blivenkimberly@gmail.com

**Bliven KA, Fisher DJ, Maurelli AT.** 2012. Characterization of the activity and expression of arginine decarboxylase in human and animal *Chlamydia* pathogens. *FEMS Microbiol. Lett.* **337**:140-6.

Lynne AM, Rhodes-Clark BS, **Bliven K**, Zhao S, Foley SL. 2008. Antimicrobial resistance genes associated with *Salmonella enterica* serovar newport isolates from food animals. *Antimicrob. Agents Chemother.* **52**:353-6.

### **Poster Presentations**

**Bliven KA, Maurelli AT.** 2014. Genetic screen for novel antivirulence genes of *Shigella*. Abstr. R-904, 114<sup>th</sup> General Meeting American Society for Microbiology, Boston MA.

**Bliven KA, Maurelli AT.** 2014. Genetic screen for novel antivirulence genes of *Shigella*. Abstr. Uniformed Services University of the Health Sciences Research Days. Bethesda, MD.

**Bliven KA, Fisher D, Maurelli AT.** 2012. Characterization of the activity and expression of arginine decarboxylase in human and animal *Chlamydia* pathogens. Abstr. Uniformed Services University of the Health Sciences Research Days. Bethesda, MD.

### **Teaching Experience**

2012 - 2014      **Practical Bacterial Genetics Lab Teaching Assistant**  
Uniformed Services University of the Health Sciences

### **Technical Skills**

**Fieldwork:** Small mammal/mosquito/tick trapping, bird banding, mosquito identification

**Microbiology techniques:** Bacterial passaging/streaking, coagulase testing, methicillin resistance screening

**Cell biology:** Cell culture (HeLa/L2 cells), invasion and plaque (bacterial and viral) assays

**Protein techniques:** Protein over-expression and purification, SDS PAGE, immunoblot analysis, 2D PAGE, protein secretion assays,  $\beta$ -galactosidase assays

**Molecular biology techniques:** Generating whole gene knockouts (lambda red recombination), DNA cloning, isolation of large (>45 kb) plasmids, PFGE, qRT-PCR

**Statistical analysis/bioinformatics:** Microsoft Excel, SPSS, CloneManager, BLAST

### **Awards**

2003 Chancellor's Award (*University of Wisconsin-Platteville*)

Chancellor's List (*University of Wisconsin-Platteville*)

Dean's List (*University of Wisconsin-Platteville*)

### **Volunteer Work**

04/2014      **American Society for Microbiology (ASM) Exhibit**  
Washington, D. C.  
USA Science & Engineering Festival

2008      **Student Research**  
*University of Newcastle, New South Wales, Australia*  
Study on the impact of chytrid fungus in tree frogs.

## **TAB 14**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*Rachel Lazarus*

*Neuroscience Graduate Program*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



June 30, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Doctor of Philosophy effective upon your approval:

**Rachel Lazarus**

DOCTOR OF PHILOSOPHY

Neuroscience Graduate Program

Attached is the candidate's certification of successful completion of the Final Examination. Also attached are the Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



FINAL EXAMINATION/PRIVATE DEFENSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN THE NEUROSCIENCE GRADUATE PROGRAM

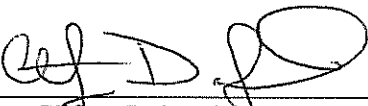

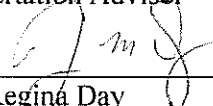
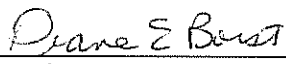
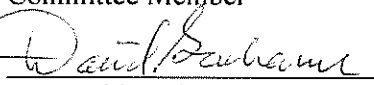
Name of Student: Rachel Lazarus

Date of Examination: June 4, 2015

Time: 10:00am

Place: A2015

DECISION OF EXAMINATION COMMITTEE MEMBERS:

	PASS	FAIL
 _____ Dr. Clifton Dalgard DEPARTMENT OF ANATOMY, PHYSIOLOGY AND GENETICS Committee Chairperson	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Gregory Mueller DEPARTMENT OF ANATOMY, PHYSIOLOGY AND GENETICS Dissertation Advisor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Regina Day DEPARTMENT OF PHARMACOLOGY Dissertation Co-Advisor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Diane Borst DEPARTMENT OF ANATOMY, PHYSIOLOGY AND GENETICS Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. David Grahame DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



APPROVAL OF THE DOCTORAL DISSERTATION IN THE  
NEUROSCIENCE GRADUATE PROGRAM

Title of Dissertation: "Protein modification: A proposed mechanism for the long-term pathogenesis of traumatic brain injury"

Name of Candidate: Rachel Lazarus  
Doctor of Philosophy Degree  
June 4, 2015

DISSERTATION AND ABSTRACT APPROVED:

DATE:

6/19/15

Dr. Clinton Dalgard  
DEPARTMENT OF ANATOMY, PHYSIOLOGY AND GENETICS  
Committee Chairperson

06/04/2015

Dr. Gregory Mueller  
DEPARTMENT OF ANATOMY, PHYSIOLOGY AND GENETICS  
Dissertation Advisor

6/4/2015

Dr. Regina Day  
DEPARTMENT OF PHARMACOLOGY  
Dissertation Co-Advisor

4 June 2015

Dr. Diane Borst  
DEPARTMENT OF ANATOMY, PHYSIOLOGY AND GENETICS  
Committee Member

6/4/15

Dr. David Grahame  
DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY  
Committee Member

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A handwritten signature in cursive script, reading "Rachel Lazarus", is written over a horizontal line.

Rachel C. Lazarus  
Program in Neuroscience  
August 4, 2015

## ABSTRACT

Title of Dissertation: Protein modification: A proposed mechanism for the long-term pathogenesis of traumatic brain injury

by

Rachel C. Lazarus, Doctor of Philosophy, 2015

Thesis directed by: Dr. Gregory P. Mueller, Ph.D.

Professor and Vice Chairman for Research,

Department of Anatomy, Physiology and Genetics

Professor, Program in Neuroscience

Associate Dean for Graduate Education

Traumatic brain injury (TBI) is a major cause of long-term disability. Acute TBI prompts a constellation of dysfunctional processes, collectively known as “secondary injury” mechanisms. A hallmark secondary injury in TBI is a prolonged imbalance in calcium homeostasis, resulting in a dramatic influx of calcium into brain cells. This influx elicits the generation of damaging reactive oxygen species. Protein carbonylation and citrullination are pathological post-translational modifications that can result from intracellular calcium overload. These modifications have been proposed to play a role in neurodegenerative disorders, including Alzheimer’s disease, and multiple sclerosis. Both carbonylation and citrullination can contribute to ongoing dysfunction, either through

direct loss of protein function or via immune-based mechanisms where proteins specifically modified by citrullination become targeted by the adaptive immune system.

This work investigated carbonylation and citrullination in a rodent model of TBI. We have identified specific regions and cell types susceptible to these modifications following TBI. While protein carbonylation was expressed in astrocytes of the lesion site and ependymal cells of specific periventricular regions, citrullination was found in astrocytes throughout the cerebral cortex, external capsule, and hippocampus. Unexpectedly, only a small subset of proteins in the entire brain proteome was affected by TBI. Four proteins were found to be carbonylated in response to injury, and these same proteins, along with 33 others, were found to be citrullinated following TBI. Many of these 37 proteins are known to be modified similarly in other neuropathologies. While the distribution and magnitude of protein citrullination was unaffected by gender, susceptibility to protein carbonylation was gender dependent, with males showing significantly greater protein carbonylation in ependymal cells distant from the injury lesion, as compared to females.

These findings show that carbonylation and citrullination are specific processes, with selective effects on regional, cellular, and proteomic susceptibility. Gender differences observed in carbonylation indicate that hormonal mechanisms may serve a protective role in TBI-induced oxidative stress. The dramatic expression of protein citrullination following injury may provide a basis for the development of autoimmune dysfunction in TBI pathology. Accordingly, persistent proteomic changes may underlie ongoing disability, either through direct loss-of-function or secondary immune-based pathological mechanisms.

PROTEIN MODIFICATION: A PROPOSED MECHANISM FOR THE LONG-TERM  
PATHOGENESIS OF TRAUMATIC BRAIN INJURY

by

Rachel C. Lazarus

Dissertation submitted to the Faculty of the  
Neuroscience Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Doctor of Philosophy, 2015

**Rachel C. Lazarus**

**[REDACTED] (Mobile) • [REDACTED] (Office) • [REDACTED]**

## Education

08.2010 – present: **Uniformed Services University of the Health Sciences**, Bethesda MD. Neuroscience PhD candidate. Research emphasis on traumatic brain injury, proteomics, and oxidative stress. *Anticipated graduation: July 2015.*

08.2006 – 06.2010: **University of Virginia**, Charlottesville VA. Bachelor of Arts with Distinction: Cognitive Science: Distinguished Majors Program (Neuroscience & Cognitive Psychology). Echols Scholar.

09.2002 – 06.2006 : **Thomas Jefferson High School for Science & Technology**, Alexandria, VA.

## Publications & presentations

### Publications

#### Peer-reviewed

1. **Lazarus, RC**, Buonora, JE, Flora, MN, Freedy, JG, Holstein GR, Martinelli, GP, Jacobowitz, DM, & Mueller, GP. (2015). **Protein citrullination: A proposed mechanism for pathology in traumatic brain injury.** *Frontiers in Neurotrauma*. (Under review).
2. **Lazarus, RC**, Buonora, JE, Jacobowitz, DM, & Mueller, GP. (2015). **Protein carbonylation after traumatic brain injury: cell specificity, regional susceptibility, and gender differences.** *Free Radical Biology & Medicine*, 78 (89 – 100).
3. Buonora, JE, Yarnell, AM, **Lazarus, RC**, Mousseau, M, Latour, LL, Rizoli, SB, Baker, AJ, Rhind, S, Diaz-Arrastia, R, & Mueller, GP. (2015) **Multivariate analysis of traumatic brain injury: development of an assessment score.** *Front. Neurol.* 6 : 68. doi: 10.3389/fneur.2015.00068.
4. Buonora, JE, Mousseau, M, Jacobowitz, DM, **Lazarus, RC**, Yarnell, AM, Olsen, CH, Pollard, HB, Diaz-Arrastia, R, Latour, L, & Mueller, GP. (2015) **Autoimmune profiling reveals PRDX6 as TBI biomarker.** *Journal of Neurotrauma*. (In press).

#### Book chapters & reviews

1. Mueller, GP, **Lazarus, RC**, & Driscoll, WJ.  **$\alpha$ -Amidated Peptides: Approaches for Analysis.** *Methods in Molecular Biochemistry*, 2014. (In press).
2. Johnson, LR, McGuire, J, **Lazarus, R**, & Palmer, AA. (2011) **Pavlovian fear memory circuits and phenotype models of PTSD.** *Neuropharmacology*, 62 (2): 638 – 46.

## Presentations

### Oral

**03.10.2015:** Increased protein citrullination in brain tissue following traumatic brain injury. 2015 National Capital Area TBI Research Symposium, National Institutes of Health, Bethesda MD.

**05.08.2014:** TBI-induced oxidative stress: Cells, regions and gender differences. USUHS Student Seminar, Neuroscience Graduate Program, Bethesda MD.

**05.16.2013:** Neo-antigenicity of neural proteins following TBI-induced carbonylation and citrullination. USUHS Student Seminar, Neuroscience Graduate Program, Bethesda MD.

**12.15.2011:** Autoimmune response to kainic acid: Implications for epilepsy. USUHS, Student Seminar, Neuroscience Graduate Program, Bethesda MD.

### Posters

**05.12.2015:** Gender influences oxidative modifications following traumatic brain injury. USUHS Research Days, Bethesda, MD.

**11.13.2014:** Gender influences oxidative modifications following traumatic brain injury. Cell Symposia: Translational Neuroscience (SFN Satellite Meeting), Arlington VA.

**05.14.2012:** Potential role of immunological mediators in the development of seizures. USUHS 2012 Research Days, Bethesda MD.

**05.18.2011:** Autoantibodies identify novel biomarkers for brain injury. USUHS 2011 Research Days, Bethesda MD.

## Fellowships & awards

10.2013 – present: **Intramural Student Research Award**, FY14. Renewed 09.2014 for FY15. USUHS – T070255415: Awarded to Lazarus, RC. Competitive intramural support for graduate research, “Antigenicity of neural proteins following TBI-induced protein carbonylation.” Role: PI; Award: \$2,500 per FY.

08.2010 – 08.2013: **Dean’s Special Fellowship.** Stipend support: \$31,000 per year, 2010 – 2013.

## Skills

### 1. Technical

- a. Immunohistochemistry:

- i. **Immunofluorescence:** Skilled in tissue preparation, developing and optimizing protocols, managing data-heavy projects, and quantitative analysis methods. 3.5+ years experience.
- ii. **Confocal microscopy:** Trained in confocal microscopy on Carl Zeiss Pascal inverted confocal microscope. Skilled in software and machine operation, troubleshooting, and training of peers. 1.5+ years of experience.
- iii. **Immunolocalization of carbonylated proteins:** Developed and optimized in-tissue derivitization technique for the detection of carbonylated proteins.
- iv. **Immunolocalization of citrullinated proteins:** Developed novel use for antibody obtained through collaboration for use in detection of citrullinated proteins.
- vi. **Training:** Rapidly adaptable to new methods and instrumentation, as evidenced by training on and usage of several microscopy systems, including the Zeiss Pascal inverted confocal microscope; Leica AF6000 Time-lapse Imaging System; Olympus BX61 fluorescent motorized system microscope with iVision-Mac software; and the Hamamatsu NanoZoomer.
- b. **Proteomic techniques:**
  - i. **MALDI-TOF mass spectrometry:** Matrix-assisted laser desorption / ionization, time-of-flight mass spectrometry: peptide extraction, processing, and identification via Voyager Control Panel & Data Explorer software and online MS-Fit sequence miner. 3.5+ years experience.
  - ii. **Carbonylation detection and quantification:** Refined post-electrophoretic derivitization method of immunoblotting for the detection of carbonylated protein species. This method performs with greater clarity, consistency, and validity than the traditional OxyBlot protocol for carbonylation detection.
  - iii. **Gel electrophoresis / western blotting:** One- and two-dimensional systems. 4+ years experience.
  - iv. **Fluid-phase isoelectric focusing:** Isoelectric focusing (ZOOM IEF fractionation system, Life Technologies) of complex protein samples. 50+ hours experience.
  - v. **Immunoprecipitation:** 50+ hours experience.
  - vi. **Tissue dissection:** Fine brain tissue dissection for various proteomic analyses. 3.5+ years experience.

## 2. Communication

- a. Awarded competitive individual in-house grant (FY14). Successfully renewed for FY15.
- b. Edited several intramural and extramural peer-reviewed grant applications for lab.
- c. Led publication of several lab manuscripts: Edited copy, developed graphics, and managed submissions.

## 3. Supervision & project management

- a. Independently manage laboratory inventory and laboratory budget across three funding sources.
- b. Mentored several junior graduate students in laboratory techniques.
- c. Successfully organized and managed several intra- and inter-laboratory projects simultaneously.

## 4. Collaboration

- a. Initiated and developed a collaborative program on protein citrullination with Dr. Gay Holstein and Dr. Giorgio Martinelli, Mount Sinai Hospital. The monoclonal antibody developed by Drs. Holstein & Martinelli was originally designed for the detection of free citrulline; we have developed a workable protocol, using the same antibody, which successfully detects intra-peptidyl citrulline residues, reflecting proteins modified by peptidylarginine deiminase enzymes.
- b. Collaborated on low-dose skin irradiation project with Dr. Regina Day, USUHS. Managed early stages of project development, then successfully transitioned project to junior graduate student.

## 5. Software

Adobe Suite: Photoshop; Illustrator; InDesign.

Statistics: SPSS; Excel; GraphPad.

Technical: Voyager software (MALDI-TOF); MultiGauge; ImageJ; Zeiss LSM PASCAL 5; iVision.

Microsoft Office Suite: Word; Excel; PowerPoint; Publisher.

## Service & student activities

- 01.2014 – present: **Smithsonian National Zoo, National Elephant Herpesvirus (EEHV) Laboratory** – EEHV Report Editor: Report design and publication; developing website content.
- 06.2012 – 01.2014: **Smithsonian National Museum of Natural History, O. Orkin Insect Zoo** – Volunteer. Interacted with visitors to foster appreciation for and understanding of insects and arthropods. Conducted tarantula feeding demonstrations, handled live insects, and engaged in teaching demonstrations with visitors of all ages.
- 07.2012 – 07.2013: **USUHS Graduate Student Council** – Neuroscience Graduate Program representative. Organized social events and fundraising activities. Acted as liaison for students. Coordinated large-scale student orientation event for incoming candidate students.

## **TAB 15**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*Michal Moskowitz*

*Department of Medical and Clinical Psychology*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



June 30, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Doctor of Philosophy effective upon your approval:

**Michal Moskowitz**

DOCTOR OF PHILOSOPHY

Department of Medical and Clinical Psychology

Attached is the candidate's certification of successful completion of the Final Examination. Also attached are the Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



FINAL EXAMINATION/PRIVATE DEFENSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN THE MEDICAL AND CLINICAL PSYCHOLOGY DEPARTMENT

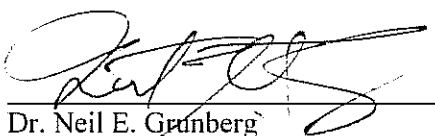
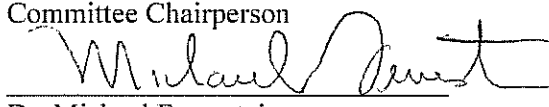
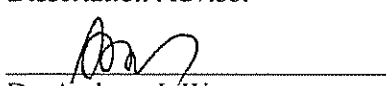
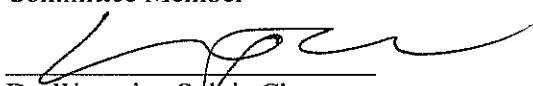
Name of Student: Michal Moskowitz

Date of Examination: January 8, 2015

Time: 12:00pm

Place: G028

DECISION OF EXAMINATION COMMITTEE MEMBERS:

	PASS	FAIL
 Dr. Neil E. Grunberg DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Committee Chairperson	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 Dr. Michael Feuerstein DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Dissertation Advisor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 Dr. Andrew J. Waters DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 Dr. Wen-ying Sylvia Chou NATIONAL CANCER INSTITUTE Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
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DISSERTATION APPROVAL FOR THE DOCTORAL DISSERTATION IN THE DEPARTMENT OF  
MEDICAL AND CLINICAL PSYCHOLOGY

Title of Dissertation: "Young Cancer Survivor Connections: A mixed methods investigation of online communication, social support, and unmet needs"

Name of Candidate: Michal Moskowitz  
Doctor of Philosophy Degree  
January 8, 2015

DISSERTATION AND ABSTRACT APPROVED:

Dr. Neil E. Grunberg  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Chairperson

DATE:

4/8/15

Dr. Michael Feuerstein  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Dissertation Advisor

4/8/15

Dr. Andrew J. Waters  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
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Dr. Wen-ying Sylvia Chou  
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Michal C. Moskowitz, MS

May 15, 2015

## ABSTRACT

Young Cancer Survivor Connections: A mixed methods investigation of online communication, social support, and unmet needs:

Michal C. Moskowitz, MS, 2014

Thesis directed by: Michael Feuerstein, PhD, MPH, ABPP, Professor, Medical and Clinical Psychology and Preventive Medicine and Biometrics

**Statement of Problem:** Young adult cancer survivors (YACS) are an understudied population that experiences greater psychosocial distress and unmet needs compared to other age groups (23; 89) and unique needs for social support (226). This study examined how young adult cancer survivors (YACS) access social support online and in person, and how social support is related to long-term adjustment.

**Methods:** The study consisted of Phase 1: qualitative interviews with 15 YACS related to online and in-person social support; Phase 2: cognitive interviews with 10 YACS piloting survey questions, and Phase 3: survey of 158 YACS.

**Results:** YACS participated in a variety of online support formats including blogs, Facebook, anonymous forums, and Twitter. YACS also described developing multiple types of cancer social network roles and in-person support activities. Having a larger number of general social network roles ( $\beta = .190$ ,  $B = .062$ ,  $p = .026$ ) and types of connections with other cancer survivors ( $\beta = .207$ ,  $B = .055$ ,  $p = .024$ ) is associated with

higher levels of social support. Social support is associated with better long-term adjustment to cancer, i.e. greater positive impact of cancer ( $\beta = .226$ ,  $p = .005$ ), lower negative impact of cancer ( $\beta = -.347$ ,  $p < .001$ ), and fewer unmet emotional needs ( $\beta = -.393$ ,  $p < .001$ ). Having a wider variety of general social network roles and cancer social network roles is indirectly associated with better long-term adjustment to cancer through its association with increased social support. Participating in more online support activities or a higher number of in-person support activities was not associated with social support.

**Conclusions:** Involvement in a broad general social network, as well as having a variety of in-person connections with other cancer survivors, is associated with greater social support and better long-term adjustment to cancer (i.e., greater positive impact and lower negative impact of cancer, and fewer unmet emotional needs). This study did not provide evidence that online activities are associated with social support or cancer survivor outcomes. Exploratory analyses found that in-person connections with other cancer survivors moderates relationship between online activities and positive impact of cancer.

*Abstract word count: 350*

*USUHS abstract max: 350 words*

Young Cancer Survivor Connections: A mixed methods investigation of online  
communication, social support, and unmet needs

by

Michal C. Moskowitz, MS

Dissertation submitted to the Faculty of the  
Medical and Clinical Psychology Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Doctor of Philosophy 2014

## Michal Cohen Moskowitz, M.S.

### Office:

Philadelphia VA Medical Center  
[REDACTED]  
[REDACTED]  
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[REDACTED]

### Home:

[REDACTED]  
[REDACTED]  
[REDACTED]  
michal.moskowitz@gmail.com

## EDUCATION

---

### Uniformed Services University of the Health Sciences, Bethesda, MD

PhD in Medical and Clinical Psychology, expected 2015

Dissertation: "Young cancer survivor connections: A mixed methods investigation of online communication, social support, and unmet needs"

Adviser: Michael Feuerstein, PhD, MPH, ABPP

Master of Science, Medical and Clinical Psychology

2012

Thesis: "Symptom clusters in employed breast cancer survivors"

Adviser: Michael Feuerstein, PhD, MPH, ABPP

### Harvard College, Cambridge, MA

2006

Bachelor of Arts *cum laude* in History of Science with certificate in Mind/Brain/Behavior

Thesis, *summa cum laude*: "The makings of a menace: Constructing the marijuana threat in the early 20th century"

Adviser: Sharrona Pearl, PhD

## CLINICAL EXPERIENCE

---

### INTERNSHIP

Philadelphia VA Medical Center, Philadelphia, PA

August 2014-Present

#### Health Promotion/Disease Prevention

Supervisors: Rebecca Helms, Psy.D., and Erin Ulloa, Ph.D.

- Providing group-based services targeted at promoting positive health behaviors and self-management of conditions such as obesity, stress, and insomnia.
- Delivering brief individual evidence-based behavioral medicine interventions (e.g. weight loss, needle phobia, medical adherence, and functional gastrointestinal disorder).

#### Home-Based Primary Care

Supervisor: Marla McLaughlin, Ph.D.

- Providing home-based brief-psychotherapy, family interventions, and psychological/cognitive assessments for older veterans with complex chronic medical problems. Working on interdisciplinary team with physicians, nurses, social workers, physical therapists, dietitians, pharmacists, and psychiatrists.

#### Mental Health Clinic

Supervisors: Susan Del Maestro, Ph.D., and Lea Girsh, Ph.D.

- Providing integrated individual psychotherapy for veterans focused on PTSD, depression, anger management, and coping with serious medical illness.

- Co-facilitating Dialectic Behavioral Treatment (DBT) group for veterans with personality disorders.
- Delivering therapy via telehealth for veterans at community-based outpatient clinic.

### **Evidence-Based Therapies**

Supervisors: Jason Goodson, Ph.D. and Elyssa Kushner, Psy.D.

- Provided evidence-based individual therapies including Prolonged Exposure for Post Traumatic Stress Disorder (PTSD) and Cognitive Behavior Therapy for Depression, Panic Disorder, and Hoarding Disorder.
- Co-facilitated evidence-based group therapies including Cognitive Behavior Therapy for Anxiety and Behavioral Activation for Depression.

### **Sleep Clinic**

Supervisor: Philip Gehrman, Ph.D.

- Provided assessment and cognitive-behavioral treatment for sleep disorders including insomnia, circadian rhythm disorders, parasomnias, and adherence problems with treatment for sleep apnea.

### **Neuropsychological Assessment: Polytrauma Service**

Supervisor: Rosette Biester, Ph.D.

- Conducted neuropsychological evaluation with veterans with traumatic brain injury.
- Wrote reports integrating clinical interview, chart review, and test results, which are saved in medical chart, shared with other providers, and used to provide direct feedback to veterans.

### **EXTERNSHIPS**

**Mary's Center**, Washington, DC

Oct 2013-June 2014

Supervisors: Susan Fleischmann, LICSW, Margaret Hume, LICSW

- Provided outpatient individual psychotherapy for adults at Federally Qualified Health Center serving disadvantaged urban population.

**Psychiatric Institute of Washington**, Washington, DC

June 2013-Aug 2013

Supervisor: Kristen Reese, Psy.D.

- Conducted group therapy for adults with serious mental illnesses on adult inpatient psychiatric unit.
- Administered, scored, and interpreted comprehensive psychological assessments involving cognitive, emotional, and psychodiagnostic measures on adolescents involved in the juvenile justice system. Wrote integrated reports that were shared with other medical providers and provided to DC Courts to inform mandated treatment decisions.

**Children's National Medical Center**, Washington, DC

Aug 2012-July 2013

Supervisor: Amanda L. Thompson, Ph.D. (cancer), Eleanor Mackey, Ph.D. (obesity)

#### **Center for Cancer and Blood Disorders:**

- Delivered inpatient and outpatient health psychology services to child and adolescent cancer patients and survivors.
- Provided outpatient individual psychotherapy for adolescent patients and post-treatment survivors; family consultation for mood, anxiety, and behavior problems; and brief assessments at interdisciplinary long-term survivor clinic.

#### **Obesity Institute**

- Conducted pre-surgical psychological evaluation for adolescent prospective candidates for bariatric surgery.
- Consulted with surgical team and provided recommendations for follow-up care.

**Walter Reed National Military Medical Center, Bethesda, MD** Dec 2011-July 2012  
Supervisor: Leslie Cooper, Ph.D., ABPP; Christina Wagner, Ph.D.

**Outpatient Behavioral Health**

- Delivered outpatient individual psychotherapy to active duty service members

**Psycho-Oncology Service**

- Provided health psychology services for adult cancer patients, including intake, consultation, and brief intervention.
- Developed curriculum and co-led psycho-education/support group for young women with cancer.

**National Institutes of Health, Bethesda, MD** June 2010-Apr 2011  
Supervisor: Joseph Snow, Ph.D., ABPP

**Neuropsychology Service**

- Administered, scored, and interpreted neuropsychological assessments of child, adolescent, and adult patients. Wrote integrated reports that were shared with other members of medical treatment team. Provided feedback to patients on findings.

**Veterans Affairs Medical Center, Washington, DC** June 2010-Apr 2011  
Supervisors: Neil Bien, Ph.D., Aaron Murray-Swank, Ph.D.

- Conducted structured intake interviews and delivered brief individual outpatient psychotherapy in Primary Care Behavioral Health clinic.

**The Wellness Community (Bethesda, MD)** Feb-Nov 2009  
Supervisor: Barbara Shaffer, LCSW-C

- Led workshops in problem-solving strategies for adult cancer patients with cognitive limitations.

## **CLINICAL TRAINING WORKSHOPS**

**Acceptance and Commitment Therapy, Washington, DC** July 2012 - 2015

- Workshop in ACT by VA psychologists Paige Novick-Kline, Psy.D., and Emily Winch, Psy.D (February 2015)
- Workshop in ACT by Jelena Kecmanovic, PhD, hosted at Uniformed Services University of the Health Sciences (March 2014)
- Workshops on brief interventions in ACT, promoting behavior change in primary care, values-based work, and ACT for grief/trauma at Association for Contextual Behavioral Science (ACBS) World Conference (July 2012)

**Evidence Based Trainings at Phila. VA Medical Center, Philadelphia, PA** Aug-Sept 2014

- Cognitive Behavior Therapy for Depression, VA consultant Elyssa Kushner, Psy.D.
- Prolonged Exposure for PTSD by VA trainer Jason Goodson, Ph.D.
- Cognitive Behavior Therapy for Insomnia by VA trainer Phillip Gehrman, Ph.D.
- Motivational Interviewing by VA psychologist Dominick DePhillips, Ph.D.

## **RESEARCH EXPERIENCE**

---

**Uniformed Services University of the Health Sciences, Bethesda, MD** Aug 2008-June 2014  
Principal Investigator/Lab Director: Michael Feuerstein, PhD, MPH, ABPP

- Conducted analysis of data on cancer survivorship and work.
- Prepared and edited manuscripts on cancer survivorship for publication.
- Assisted in preparing Institutional Review Board (IRB) protocol and grant proposals.

**Harvard University, Department of Social Medicine, Cambridge, MA** March-Aug 2006  
Principal Investigator: Mary Jo Good, PhD. "How does culture make a difference in American health care?" Funded by the Russell Sage Foundation

- Conducted semi-structured 30-60 minute interviews with psychiatrists, psychologists, social workers, medical interpreters, and other hospital staff on the role of culture in health care.
- Transcribed interviews conducted by members of the research team.

## **SUPERVISION, TEACHING, & COURSE ADMINISTRATION EXPERIENCE**

**Uniformed Services University of the Health Sciences (Bethesda, MD)**

*Teaching Assistant, Brief Dynamic Psychotherapy* Winter 2011-2012

- Observed videotapes of students delivering psychotherapy.
- Provided individualized written feedback and led group supervision.
- Prepared and co-taught course session on general therapy skills.

*Head Teaching Assistant, Medical Psychology* Spring 2011

- Worked with course director to revise syllabus for course taken by all USUHS 1<sup>st</sup> year medical students.
- Oversaw production of all course materials and exam development.
- Assisted in developing new lecture.
- Managed team of three teaching assistants and led training for other teaching assistants on exam question construction.

*Teaching Assistant, Social Psychology* Winter 2010-2011

- Assisted in updating and revising lectures for course for first-, second-, and third-year graduate students in psychology; co-taught a lecture on social psychology and health; provided feedback to students on written assignments; assisted students in final exam preparation.

*Teaching Assistant, Health Psychology* Spring 2010

- Contributed to syllabus development and course design; assisted students in course assignments.

*Teaching Assistant, Medical Psychology (Spring 2010)*

- Worked with lecturers to update and edit course materials for class for first year medical students; prepared presentation slides; wrote examination questions.

## **PROFESSIONAL EXPERIENCE**

**Association of Academic Health Centers (Washington, DC)**

Sept 2006-June 2008

*Program associate*

- Organized, drafted, and edited toolkit for member institutions on the management of clinical trials. Conducted policy research and analysis about topics including state strategies to expand the health care workforce, the prevalence and impact of health workforce shortages at member institutions, and the effects of Health Insurance Portability and Accountability Act (HIPAA) on biomedical research. Coordinated and managed workgroups of senior administrators from academic health centers

## **PUBLICATIONS AND PRESENTATIONS**

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### **PUBLICATIONS**

**Moskowitz, M.C.,** Todd, B.L., Chen, R., Feuerstein, M. (2014). Function and friction at work: A multidimensional analysis of work outcomes in cancer survivors. *Journal of Cancer Survivorship*, 8, 1, 173-82.

Todd, B.L., **Moskowitz, M.C.,** Ottati, A., & Feuerstein, M. (2014). Stressors, stress response, and cancer recurrence: A systematic review. *Cancer Nursing*, 37, 2, 114-25.

Love, B., **Moskowitz, M.C.,** Cook, B., Thompson, C.M., Donovan-Kicken, E., Stegenga, K., Macpherson, C.F., Johnson, R.H. (2013). Defining adolescent and young adult (AYA) exercise and nutrition needs: Concerns communicated in a digital cancer support community. *Patient Education and Counseling*, 92, 1, 130-133.

**Moskowitz, M.C.,** Feuerstein, M., & Todd, B.L. (2013). Job stress and physical activity related to elevated symptom clusters in breast cancer survivors at work. *Journal of Occupational Medicine*, 55, 1, 93-98.

**Moskowitz, M.C.,** Todd, B.L., & Feuerstein, M. (2012). Cancer in the workplace. In R. Gatchel & I. Schultz (Eds.), *The Handbook of Occupational Health and Wellness*, New York: Springer.

Feuerstein, M., Todd, B.L., **Moskowitz, M.C.,** Bruns, G.L., Stoler, M.R., Nassif, T., & Yu, X. (2010). Work in cancer survivors: a model for practice and research. *Journal of Cancer Survivorship*, 4, 415-347.

Harrington, C., Hansen, J., **Moskowitz, M.,** Todd, B., & Feuerstein, M. (2010). It's not over when it's over: Long-term symptoms in cancer survivors— A systematic review. *International Journal of Psychiatry in Medicine*, 40(2), 163-181.

### **PRESENTATIONS**

Love, B., **Moskowitz, M.C.,** Cook, B., Thompson, C.M., Donovan-Kicken, E., Stegenga, K., Macpherson, C.F., Johnson, R.H. (2012, November). Defining adolescent and young adult (AYA) exercise and nutrition needs: Concerns communicated in a digital cancer support community. Poster presented at Critical Mass: The Young Adult Cancer Alliance annual conference, Atlanta, GA.

Todd, B.L., **Moskowitz, M.C.**, & Feuerstein, M. (2012, August). Symptoms in Breast Cancer Survivors 2-3 Years Post-Primary Treatment. Poster presented at the American Psychological Association 120<sup>th</sup> Annual Convention, Orlando, FL.

Todd, B.L., **Moskowitz, M.C.**, Ottati, A., & Feuerstein, M. (2012, April). Exposure to Stressors and Cancer Recurrence: A Systematic Review. Poster presented at the Society of Behavior Medicine 33<sup>rd</sup> Annual Meeting, New Orleans, LA.

**Moskowitz, M.C.**, & Feuerstein, M. (2012, February). Symptom Clusters and Work Limitations in Employed Breast Cancer Survivors. Poster presented at the American Psychosocial Oncology Society 9<sup>th</sup> Annual Conference, Miami, FL.

Feuerstein, M., Todd, B., & **Moskowitz, M.** (2010, September). A Framework of Cancer and Work. Poster presented at the First Scientific Conference of the Work Disability Prevention and Integration Scientific Committee of the International Commission on Occupational Health, Angers, France.

Feuerstein, M., Luff, G., Peugeot, M., **Moskowitz, M.** & Todd, B. (2009, July). AugCog as a Rehabilitation Tool for Mild Traumatic Brain Injury (mTBI). Paper presented at the 13th International Conference on Human-Computer Interaction, San Diego, CA.

Poorman, E., & **Moskowitz, M.** (2008, October). Professionals with a Mission: Making Space for Advocacy in Medical Interpreting. Lecture presented at annual conference of the International Medical Interpreters Association, Cambridge, MA.

**Moskowitz, M.**, & Rubin, E. (2008, May). State Strategies for the Health Workforce. Briefing delivered to the Public Health, Welfare, and Labor House committee of the Arkansas legislature.

## **TAB 16**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*Briana Todd*

*Department of Medical and Clinical Psychology*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



June 30, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Doctor of Philosophy effective upon your approval:

**Briana Todd**

DOCTOR OF PHILOSOPHY

Department of Medical and Clinical Psychology

Attached is the candidate's certification of successful completion of the Final Examination. Also attached are the Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



FINAL EXAMINATION/PRIVATE DEFENSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN THE MEDICAL AND CLINICAL PSYCHOLOGY GRADUATE PROGRAM

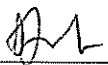
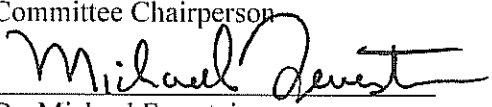
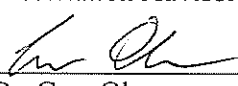
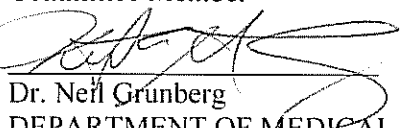
Name of Student: Briana Todd

Date of Examination: May 9, 2014

Time: 9:00am

Place: G252

DECISION OF EXAMINATION COMMITTEE MEMBERS:

	PASS	FAIL
 _____ Dr. Andrew Waters DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Committee Chairperson	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Michael Feurstein DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Dissertation Advisor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Cara Olsen DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 _____ Dr. Neil Grunberg DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY Committee Member	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814

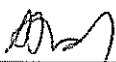


DISSERTATION APPROVAL FOR THE DOCTORAL DISSERTATION IN THE MEDICAL AND  
CLINICAL PSYCHOLOGY GRADUATE PROGRAM

Title of Dissertation: "Development of the Cancer Survivor Profile"

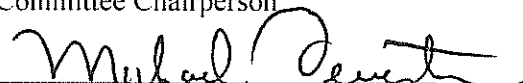
Name of Candidate: Briana Todd  
Doctor of Philosophy Degree  
May 9, 2014

DISSERTATION AND ABSTRACT APPROVED:

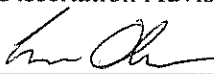
  
\_\_\_\_\_  
Dr. Andrew Waters  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Chairperson

DATE:

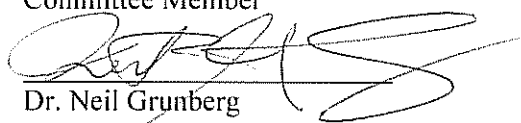
5/9/14

  
\_\_\_\_\_  
Dr. Michael Feuerstein  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Dissertation Advisor

5/9/14

  
\_\_\_\_\_  
Dr. Cara Olsen  
DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS  
Committee Member

5/9/14

  
\_\_\_\_\_  
Dr. Neil Grunberg  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Member

5/9/14

## COPYRIGHT STATEMENT

The author hereby certifies that the use of any copyrighted material in the dissertation manuscript entitled: Development of the Cancer Survivor Profile is appropriately acknowledged and, beyond brief excerpts, is with the permission of the copyright owner.

Briana L Todd MS

Briana L. Todd, MS

August 5, 2014

## ABSTRACT

Title of Dissertation: Development of the Cancer Survivor Profile

Briana L. Todd, MS, 2014

Thesis directed by: Michael Feuerstein, PhD, MPH, Professor, Department of Medical and Clinical Psychology

*Purpose:* The 5-year survival rate of breast cancer is now at 89% (12), amounting to over 2.9 million breast cancer survivors in the United States alone and 6.3 internationally (111; 393). The late and long-term effects of cancer and its treatment, coupled with the complexity of navigating the healthcare system in the United States, have resulted in breast cancer survivors with many unmet needs (122; 178; 196; 216; 254; 261). Currently, there is a lack of clinical assessment tools in the breast cancer population to identify problems and direct survivors to appropriate services. An aim of the doctoral dissertation study was to develop and validate a multi-dimensional measure, the Cancer Survivor Profile (CSPro), of symptoms, function, health behaviors, and health survivors needs for breast cancer survivors within the first five years post completion of active cancer treatment.

*Method:* The three phase development and validation process of the CSPro included: (1) systematic searches of the qualitative and quantitative literature to develop the preliminary measure; (2) Participant recruitment of breast cancer survivors who completed active treatment within the past five years; (3) Reduction of items,

determination of factor structure, and establishment of psychometric properties through principal component analyses, parallel analyses, and tests of validity and reliability.

*Results:* This three-step process resulted in a 76-item measure with 18 sub-scales across four problem domains (i.e., symptom burden, function, health behaviors, and health services). Construct, convergent, and divergent validity were supported for symptom burden, function, and health service needs. Each of these domains' sub-scales were internally consistent and stable over a 14 to 39 day time period. Eliminating the exercise sub-scale from the health behavior domain increased the health behavior domain's validity and reliability.

*Discussion:* The CSPro demonstrated validity and reliability. The CSPro has the potential to serve as a delivery system design tool to identify and direct follow-up care of non-medical problem areas in breast cancer survivors. The systematic conceptual and methodological approach to the measure's development should facilitate the integration of the CSPro into oncology and primary care settings.

Development of the Cancer Survivor Profile

by

Briana L. Todd, M.S.

Dissertation submitted to the Faculty of the  
Department of Medical and Clinical Psychology Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Doctor of Philosophy 2014

[REDACTED]

[REDACTED]

**[REDACTED]**

## 2014-2015

- 2010- 2014

Moskowitz, M.C., **Todd, B.L.**, Chen, R., & Feuerstein, M. (2014). Function and friction at work: A multidimensional analysis of work outcomes in cancer survivors. *Journal of Cancer Survivorship*, 8(2), 173-182.

- Todd, B.L.,** Moskowitz, M.C., Ottati, A., & Feuerstein, M. (2013). Stressors, Stress Response, and Cancer Recurrence: A systematic review. *Cancer Nursing*, 37(2)114-125.

Calvio, L., Peugeot, M., Bruns, G.L., & **Todd, B.L.**, & Feuerstein, M. (2010). Measures of cognitive function and work in occupationally active breast cancer survivors. *Journal of Occupational and Environmental Medicine*, 52(4), 219-227.

#### **SELECTED CLINICAL EXPERIENCE**

- 2013- 2014     **Health Improvement Program Extern**  
VA Medical Center, Washington, D.C.
- 2013-2014     **Psychosocial Rehabilitation and Recovery Center Extern**  
VA Medical Center, Washington, D.C.
- 2012-2013     **Community Living Center (Hospice Palliative & Long-Term Care) Extern**  
VA Medical Center, Washington, D.C.
- 2011-2012     **Psychotherapy and Assessment Extern**  
The Women's Center, Vienna, VA

#### **SELECTED TEACHING EXPERIENCE**

- Winter 2013     **Medical Psychology Musculoskeletal System Module** (Medical School course)  
Uniformed Services University of the Health Sciences, Bethesda, MD  
Position: Teaching Assistant to Neil Grunberg, Ph.D.; Michael Feuerstein, Ph.D., MPH
- Winter 2012     **Medical Psychology Musculoskeletal System Module** (Medical School course)  
Uniformed Services University of the Health Sciences, Bethesda, MD  
Position: Teaching Assistant to Neil Grunberg, Ph.D.; Michael Feuerstein, Ph.D., MPH
- Winter 2011     **Social Psychology** (graduate course)  
Uniformed Services University of the Health Sciences, Bethesda, MD  
Position: Guest Lecturer, Supervised by Neil Grunberg, Ph.D.
  - Lecture: Social Psychology and Health
  - Lecture: Attitude Measurement and Change
- Winter 2011     **Social Psychology** (graduate course)  
Uniformed Services University of the Health Sciences, Bethesda, MD  
Position: Teaching Assistant to Neil Grunberg, Ph.D.
- Winter 2010     **Psychology of Learning** (graduate course)  
Uniformed Services University of the Health Sciences, Bethesda, MD  
Position: Guest Lecturer, Supervised by Wendy Law, Ph.D.
  - Lecture: Behavioral Economics: Theory and Application
- Winter 2010:     **Psychology of Learning** (graduate course)  
Uniformed Services University of the Health Sciences, Bethesda, MD  
Position: Teaching Assistant to Wendy Law, Ph.D.
- Spring 2009     **Health Psychology** (graduate course)  
Uniformed Services University of the Health Sciences, Bethesda, MD  
Position: Teaching Assistant to Michael Feuerstein, Ph.D., MPH

## **TAB 17**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*CPT Wade DeYoung*

*Department of Preventive Medicine*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



July 8, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Master of Science effective upon your approval:

**CPT Wade DeYoung**

**MASTER OF SCIENCE IN PUBLIC HEALTH**

Department of Preventive Medicine

Attached is the candidate's Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



DISSERTATION APPROVAL FOR THE MASTER IN SCIENCE IN PUBLIC HEALTH DISSERTATION  
IN THE PREVENTIVE MEDICINE AND BIOMETRICS GRADUATE PROGRAM

Title of Thesis: "The landing and probing behavior (feeding behavior) of laboratory-reared strains of *Aedes aegypti* and *Aedes albopictus* on six different textile swatches"

Name of Candidate: CPT Wade DeYoung  
Master of Science in Public Health Degree  
June 4, 2015

THESIS AND ABSTRACT APPROVED:

DATE:

6/22/2015

CAPT David Hoel, Ph.D.

DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS

Committee Chairperson

6/11/2015

John Grieco, Ph.D.

UNIVERSITY OF NOTRE DAME

Thesis Advisor

6/7/15

COL Amy Korman, Ph.D.

ARMY INSTITUTE OF PUBLIC HEALTH

Committee Member

6/8/15

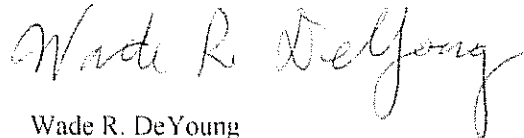
Richard Johnson, Ph.D.

ANIMAL & PLANT HEALTH INSPECTION SERVICE/US DEPT OF AGRICULTURE

Committee Member

## COPYRIGHT STATEMENT

The author hereby certifies that the use of any copyrighted material in the thesis manuscript entitled: The landing and probing behavior (feeding behavior) of laboratory-reared strains of *Aedes aegypti* and *Aedes albopictus* on six different textile swatches is appropriately acknowledged and, beyond brief excerpts, is with the permission of the copyright owner.

A handwritten signature in black ink that reads "Wade R. DeYoung". The signature is written in a cursive, flowing style.

Wade R. DeYoung  
MSPH, Med Zoo, PMB  
Uniformed Services University  
06JUN2015

## ABSTRACT

The landing and probing behavior (feeding behavior) of laboratory-reared strains of *Aedes aegypti* and *Aedes albopictus* on six different textile swatches

Wade Rae DeYoung, Master of Science in Public Health, 2015

Thesis directed by: Dr. John Grieco, Assistant Professor, Preventive Medicine and Biometrics

*Aedes aegypti* and *Aedes albopictus* mosquitoes vector many pathogen of medical importance. Dengue virus, chikungunya virus, and yellow fever virus are only a few. Host-seeking, adult female *Ae. aegypti* and *Ae. albopictus* mosquitoes were exposed to six textile swatches of different color and weave including one insecticide-treated swatch (alphacypermethrin) to assess swatch protection against bites. Mosquitoes were lab-reared, and adult female mosquitoes were subjected to *in-vitro* feeding choice chambers to determine the difference in feeding behaviors. The results indicate a feeding preference only in *Ae. albopictus*. These mosquitoes preferred the control to swatch #2 (black), whereas they preferred swatch #3 (cotton grasmere) to the control. Although no statistically significant difference was seen in 24-hour mortality rates between mosquitoes exposed to the insecticide-treated swatch and those exposed to untreated swatches, a significant difference was seen in overall mortality between the two *Aedes* species in these trials at the end of 24 hours. These results imply an aversion in *Ae. albopictus* to dark-colored fabrics and further imply a difference in hardiness between the two species (strains) used in this study.

The landing and probing behavior (feeding behavior) of laboratory-reared strains of  
*Aedes aegypti* and *Aedes albopictus* on six different textile swatches

by

Wade DeYoung

Thesis submitted to the Faculty of the  
Preventive Medicine Biometrics Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Master of Science in Public Health 2015

**WADE R. DEYOUNG**

WADE.DEYOUNG@US.ARMY.MIL

## **Objective**

**Master of Science program in Entomology at Uniformed Services University of the Health Sciences for Fall, 2013**

## **Education and Training**

**Michigan State University (1986-1991). Bachelor of Science in Zoology. Honors College. GPA: 3.37. Biology/zoology GPA: 3.53.**

**Uniformed Services University of the Health Sciences (2013-2015). Master of Science in Public Health (Medical Zoology Track). GPA: 3.75.**

**Department of Defense Pest Management Certification Course (2008), Principles of Military Preventive Medicine (2007), Basic Industrial Hygiene Course (2007), Officer Basic Course (2007), Advanced Non-commissioned Officer Course (2003), U.S. Army Recruiter Course (2001), Basic Non-commissioned Officer Course (1995), Primary Leadership and Development Course (1993), Advanced Individual Training (1992), Basic Combat Training (1991).**

## **Work History**

**United States Army (1991-present; domestic and international locations)**

### **Entomologist (2012-present)**

Chief of Entomology for U.S. Army Public Health Command Region-Pacific. Provides expert force health protection consultative services on zoonotic disease and control, arthropod taxonomy, pest surveillance, control of vector-borne diseases of military and public health importance to organizations, installations, and operations throughout PACOM. Assist in pest management reviews of installations in the Pacific, and DoD non-FIFRA and FIFRA pesticide certification training.

### **Environmental Science Officer (2007-2012)**

Chief of Environmental Health for U.S. Army Garrison-Japan. Responsible for conducting sanitation inspections at food establishments, child development centers, physical education centers, and barber shops; conducting water quality surveillance; training field sanitation teams and food service employees; and supervising six preventive medicine technicians. Conducted preventive medicine operations in support of U.S. Soldiers during Operation Iraqi Freedom (2008-2009). Promoted to Captain from First Lieutenant (2010). Promoted to First Lieutenant from Second Lieutenant (2008).

### **Platoon Sergeant (2005-2007)**

Responsible for the training and welfare of 25 helicopter armament repairers. Directed maintenance procedures on weapons fire control systems of 60 OH-58D (Kiowa Warrior) helicopters. Accountable for \$650,000 of government equipment.

**U.S. Army Recruiter (2001-2005). Richmond, KY.**

Responsible for prospecting for, conducting sales presentations with, and processing applicants for enlistment into the U.S. Army. Conducted promotional activities and public speaking engagements. Promoted to Sergeant First Class from Staff Sergeant (2003).

**Maintenance Supervisor/Quality Control Inspector (1993-2001)**

Responsible for training and welfare of eight helicopter armament repairers and operational readiness of weapons systems of both AH-1F (Cobra) and OH-58D (Kiowa Warrior) helicopters. Performed technical inspections and reviewed forms and records for accuracy. Accountable for \$400,000 of government equipment. Deployed to Bosnia-Herzegovina for six-month stabilization operations (1999). Promoted to Staff Sergeant from Sergeant (1996). Promoted to Sergeant from Specialist (1993).

**Substitute High School Teacher (2001-2005). Berea, Irvine, Beattyville, and Booneville, KY.**

**Honors and Awards**

**Army Commendation Medal (five awards)**

**Army Achievement Medal (six awards)**

**Gold Recruiter Badge (2004)**

**Senior Aircraft Crewman Badge (2003)**

**1<sup>st</sup> Cavalry Division Non-commissioned Officer of the Quarter (1999)**

**Golden Key National Honor Society (1988)**

**L'Anse Creuse High School-North Salutatorian (1986). 2<sup>nd</sup> of 325.**

**National Merit Finalist (1986)**

**Other Skills and Interests**

**Current Secret Clearance. Proficient at writing code in both HTML and Visual Basic. Familiar with multimedia applications, such as Photoshop, Nero, and Windows Movie Maker. Competent writer. Experienced traveler. Enjoy reading, racquetball, and running.**

**References**

**References are available on request.**

## **TAB 18**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*2LT Felicia Keith*

*Department of Medical and Clinical Psychology*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



July 8, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Master of Science effective upon your approval:

**2LT Felicia Keith**

MASTER OF SCIENCE

Department of Medical and Clinical Psychology

Attached is the candidate's Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
F. EDWARD HÉBERT SCHOOL OF MEDICINE  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4799



April 8, 2015

GRADUATE PROGRAMS IN  
THE BIOMEDICAL SCIENCES  
AND PUBLIC HEALTH

APPROVAL SHEET

*Ph.D. Degrees*

Interdisciplinary  
-Emerging Infectious Diseases  
-Molecular & Cell Biology  
-Neuroscience

Departmental  
-Clinical Psychology  
-Environmental Health Sciences  
-Medical Psychology  
-Medical Zoology

Physician Scientist (MD/Ph.D.)

Doctor of Public Health (Dr.P.H.)

*Master of Science Degrees*

-Public Health

*Masters Degrees*

-Military Medical History  
-Public Health  
-Tropical Medicine & Hygiene

*Graduate Education Office*

Eleanor S. Metcalfe, Ph.D., Associate Dean  
Bettina Arnett, Support Specialist  
Roni Bull, Support Specialist

*Web Site*

<http://www.usuhs.mil/graded/>  
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*E-mail Address*

[graduateprogram@usuhs.mil](mailto:graduateprogram@usuhs.mil)

*Phone Numbers*

Commercial: 301-295-9474  
Toll Free: 800-772-1747  
DSN: 295-9474  
FAX: 301-295-6772

Title of Thesis: Anger, Hostility, and Re-hospitalizations in Patients  
with Heart Failure

Name of Candidate: Felicia Keith  
Medical and Clinical Psychology  
Master of Science  
April 8, 2015

Thesis and Abstract Approved:

Name Dr. David Krantz  
Department of Medical and Clinical Psychology  
Thesis Advisor

4-8-15  
Date

Name Dr. Tracy Sbrocco  
Department of Medical and Clinical Psychology  
Committee Member

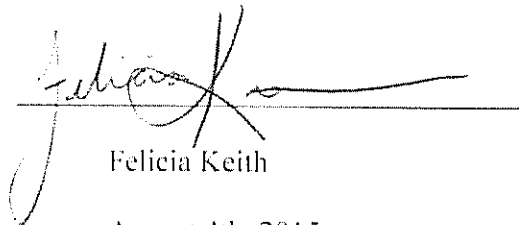
4/15/15  
Date

Name Dr. Mark Ettenhofer  
Department of Medical and Clinical Psychology  
Committee Member

4/15/15  
Date

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---

Felicia Keith  
August 4th, 2015

## **ABSTRACT**

Anger, Hostility, and Re-hospitalizations in Patients with Heart Failure

Felicia Keith, Masters of Science in Clinical Psychology, 2015

Thesis directed by: Dr. David Krantz, Professor, Medical and Clinical Psychology

Heart failure is a major health concern in the U.S., with billions of dollars spent annually on health care. The high number of re-hospitalizations significantly contributes to these rising health care costs. Traits of anger and hostility are psychological variables that have been associated with coronary heart disease morbidity and mortality. The present hypothesized that anger and hostility would show predictive utility for heart failure-related and all-cause hospitalizations in patients diagnosed with heart failure. Furthermore, it was hypothesized that depressive symptoms and cytokines will mediate the relationship between anger/hostility and hospitalizations. 150 heart failure patients were recruited from the Heart Failure Clinic at the University of Maryland Hospital in Baltimore, MD, at baseline participants were administered the STAXI, the Cook-Medley Hostility Scale, the Beck Depression Inventory, and cytokines levels were collected. Hospitalization data was then collected for every participant for up to 36-months. Results indicated that only the Cook-Medley Hostility Scale significantly predicted all-cause hospitalizations and not heart failure related hospitalizations. Furthermore, analyses did not support the cytokine hypothesis or a mediating role of depression. However, results revealed that perceived heart failure symptoms were a significant mediator in the relationship between hostility and all-cause hospitalizations. These results indicate that

hostility may predict hospitalizations, not by impacting heart failure directly, but instead by working to shape negative health behaviors that influence health in a global manner.

ANGER, HOSTILITY, AND RE-HOSPITALIZATIONS IN PATIENTS WITH  
HEART FAILURE

by

Felicia Keith

Thesis submitted to the Faculty of the  
Medical and Clinical Psychology Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Masters of Science in Clinical Psychology, 2015

Curriculum Vitae  
**FELICIA A. KEITH**

---

E-mail: felicia.keith@usuhs.edu

Phone: [REDACTED]

---

**EDUCATION**

Doctorate of Philosophy 2017 (expected)  
Specialization: Clinical Psychology  
Department of Medical and Clinical Psychology, Uniformed Services University

Bachelor of Arts. 2011  
*Magnum Cum Laude.*  
Majors: Psychology and Social Behavior  
Criminology, Law and Society.  
School of Social Ecology, University of California Irvine.

---

**CLINICAL WORK EXPERIENCE**

**Graduate Level Externship Placement:**

**Child Guidance Clinic, Washington D.C. Superior Courts**

*Extern- Supervised by Dr. Rachel Schuchart, PsyD*

November, 2014- Present

6-10 hours/week

***Child Guidance Clinic:*** Clinic provides mental health evaluations and reports to judges and probation officers of the Family Court. Population includes ages 4-18 with a variety of diagnoses including but not limited to: attention deficit and hyperactivity disorder, learning disorders, mood disorders, schizophrenia, psychosis, anxiety, bipolar, and personality disorders. Provided services including:

***Psycho-educational and Psychological Integrated Evaluations:*** WAIS-IV, WISC-IV, Woodcock Johnson-IV Tests of Achievement, MACI, ABAS-II, CBCL, Rorschach Inkblot test.

**Substance Abuse and Recovery Program, Washington D.C. Veterans Administration**

*Extern- Supervised by Dr. David Rindler, Ph.D.*

June, 2014- Present

12-15 hours/week

***Substance Abuse Clinic:*** Clinic serves Veterans from all services. Population includes ages 18~80 years with a variety of diagnoses including but not limited to: substance use disorders, PTSD, depression, schizophrenia, psychosis, anxiety, bipolar, and personality disorders. Provided services including:

***Comprehensive assessments***

*Individual Therapy*  
*Group Therapy*

**Malcolm Grow Medical Center, Joint Base Andrews**

May, 2013-May, 2014

*Extern- Supervised by Dr. Rita Schonberg, Ph.D. and*

16-20 hours/week

*Major Judy Cole, Ph.D.*

***Mental Health Clinic:*** Clinic serves Active Duty military from all services. Population includes ages 18~50 years with a variety of diagnoses including but not limited to: anxiety, adjustment disorders, depression, relationship/family problems, and PTSD. Provided services including:

***Intakes***

***Individual therapy***

***Intellectual/ Neuro Testing:***

WAIS-IV, WMS-IV, RBANDS, CVLT-II, WTAR, COWAT, Trail Making Test A & B, Rey Complex Figure Test, Stroop Color and Word Test, Wisconsin Card Sorting-computer administered, Grooved Peg Board, TOMM.

***Personality Testing:***

MMPI, MCMI, PAI, SCID-II, BAI, BDI-II, OQ-45.2, PHQ-9.

***Aeromedical Staging Facility:*** Triage center that cares for wounded warriors returning from in theater deployments and other overseas assignments. Performed safety checks and participated in mental health presence on medical flights for returning wounded warriors.

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**GRADUATE CLINICAL DIDACTICS**

***Group Psychotherapy:*** Quarter long course on the theories and basic concepts of group psychotherapy, group dynamics, group construction, group techniques, and ethical issues related to group psychotherapy.

***Assessment I and II:*** Two quarter long course in assessment covering structured and semi-structured personality measures, neuro-cognitive assessments, structured and semi-structured clinical interviewing, motivational interviewing techniques, the Rorschach Inkblot test (with simulated patient practice), and the Thematic Apperception test.

***The Art of Psychotherapy:*** Quarter long course on therapeutic styles, developing rapport and the therapeutic relationship.

***Cognitive Behavioral Therapy:*** Quarter long course dedicated to the theory and administration of CBT (work sample can be provided).

***Brief Psychodynamic:*** Quarter long course focused on the theory and administration of brief psychodynamic psychotherapy, with emphasis on Levenson's Time Limited Dynamic Psychotherapy (with simulated patient practice and supervision).

*Level One EMDR Certification Course:* 24-hour certification course dedicated to the research, theory and practice of EMDR.

*Integrative Psychodynamic:* Quarter long course dedicated to learning the integration of therapy techniques, class touched upon: common factors approach, technical eclecticism, theoretical integration, assimilative integration, and accommodative integration.

*Cognitive Processing Therapy:* An intensive 2-day course dedicated to the research, theory, and implementation of CPT.

---

### **ADDITIONAL TRAINING AND ADMINISTRATION**

**Instruments include:** Level of Service/Case Management Inventory (LS/CMI), Psychopathy Checklist- Screening Version (PCL-SV), Psychopathy Checklist- Youth Version (PCL-YV), Psychopathy Checklist- Revised (PCL-R), Structured Clinical Interview-II (SCID-II) Anti-social and Borderline Personality, Structured Clinical Interview (SCID), Structured Clinical Interview-II (SCID-II), Wechsler Adult Intelligence Scale-IV (WAIS-IV), Repeatable Battery for the Assessment of Neuropsychological Status (RBANDS), Rey Complex Figure Test and Recognition, Test of Memory Malingering (TOMM), Controlled Oral Word Association Test (COWAT), Personality Assessment Inventory (PAI), Rorschach Inkblot Test, and Thematic Apperception Test (TAT).

---

### **RESEARCH EXPERIENCE**

#### **Doctoral Student**

Cardiovascular Health and Research Laboratory

Uniformed Services University

Supervisor: Dr. David Krantz

Duties: Conducting phone-based interviews for the completion of the BETRHEART research study, up-keep of databases, entering, cleaning and running analyses on data, training additional graduate students and undergraduate volunteers for additional data tasks.

#### **Survey Worker: Validation Study of the California Youth Assessment and Screening Instrument**

Risk and Recovery Research Laboratory

University of California, Irvine

Supervisor: Dr. Jennifer Skeem

Study: Determining the validity of the California Youth Assessment and Screening Instrument (CA-YASI) for the Department of Juvenile Justice, commissioned by the State of California.

Duties: Paid survey worker, conducting semi-structured interviews of wards in the Department of Juvenile Justice (DJJ), assisting with coordinating visits to DJJ facilities, scoring and rating Psychopathy Checklist Revised-Youth Version, creating needed data bases, administering cognitive tasks including the Tower of London, Dot Probe, and Passive Avoidance, ensuring accurate data entry by undergraduates and tracking of eligible youth, and liaison between youth and parents in order to obtain parental consent of underage youths.

**Undergraduate Research Assistant: Lab Manager**

Risk and Recovery Research Laboratory

University of California, Irvine

Supervisor: Dr. Jennifer Skeem

Studies: Variants of Psychopathy and Physical Health: The Role of Stress Reactivity, Outcomes for Probationers with Mental Illness, Therapeutic Relationships and Self Perceptions of Violence.

Duties: Hiring new lab assistants, scheduling lab meetings and quarterly lab hours, data entry, interviewer in local psychiatric inpatient wards and mental health court participants, participant recruitment and scheduling, confederate and data collection in a psychophysiological study, complete ratings of the Level of Service/Case Management Inventory (LSCMI), and trained to reliability on sections of the Structured Clinical Interview (SCID, for Antisocial and Borderline personality disorder) and the Psychopathy Checklist Screening Version (PCL- SV).

**Undergraduate Research Assistant: Honors Intern**

Center for Evidence Based-Crime Policy

George Mason University

Supervisor: Dr. Stephan Mastrofski and Dr. Cynthia Lum

Study: Heterogeneity in Homicide? A Comparison of International Homicide Sources.

Duties: data collection, entry and cleaning, performing statistical analyses in SPSS, and literature searches.

**Social Ecology Honors Program**

Department of Psychology and Social Behavior and Criminology, Law and Society

University of California, Irvine

Supervisor(s): Dr. Carroll Seron and Dr. Jennifer Skeem

Study: Attitudes Influencing Police Decisions

Duties: Creating the research question, completing all IRB protocol, literature searches, data collection and data analysis.

---

**TEACHING EXPERIENCE**

### **The Mental Health Care for the Sexually Assaulted Victim- 30 minute Lecture**

Sexual Assault Course

Graduate School of Nursing

Uniformed Services University

Course Administrators: Lt Col Wendy Lee and Dr. Ann Burgess

Lecture Content: Rape myths, understanding biases, and interviewing sexual assault survivors.

### **TEACHING ASSISTANTSHIPS**

#### **Adult Psychotherapy**

August, 2014- Present

Graduate School- Medical and Clinical Psychology

Uniformed Services University

Supervisors: Dr. Tanofsky-Kraff and Dr. Sbrocco

Duties: Organize, and coordinate speakers and lectures on a weekly basis, grade weekly papers, and assist in improving the class syllabus.

#### **Clinical Assessment I-III**

August, 2013-May, 2014

Graduate School-Medical and Clinical Psychology

Uniformed Services University

Supervisor: Dr. Layne Bennion

Duties: Organize and coordinate resources and materials for a weekly class on clinical assessment. Instruct 8-10 students on case conceptualization and intake interviews.

#### **Module Director for Cardiovascular Health**

December, 2013-Present

F. Edward Hebert School of Medicine

Uniformed Services University

Supervisor: Dr. David Krantz and Dr. Neil Grunberg

Duties: Organize, and coordinate resources and materials for multiple medical school classes.

---

### **PUBLICATIONS**

#### **Journal Articles:**

Skeem, J., Kennealy, P., Hernandez, I., & **Keith, F.** (in prep). CA-YASI Construct Validity: To what extent do the domains measure the risk factors they're supposed to measure? Report prepared for the California Department of Corrections and Rehabilitation.

Peterson, J., Skeem, J., Hart, E., Vidal, S. & **Keith, F.** (2010). Analyzing offense patterns as a function of mental illness to test the criminalization hypothesis. *Psychiatric Services*.

---

#### GRANTS/AWARDS

<i>Top Graduate</i> United States Air Force, Commissioned Officer Training Graduated 1 out of ~300 officers	2012
<i>Distinguished Graduate</i> United States Air Force, Commissioned Officer Training	2012
<i>Chancellor's Award for Excellence in Undergraduate Research</i> University of California, Irvine Total Awarded: \$250	2011
<i>Dean's Scholar</i> University of California, Irvine Total Awarded: \$300	2011
<i>Excellence in Research</i> University of California, Irvine	2011
<i>Outstanding Contribution to the Community</i> University of California, Irvine	2011
<i>Psychology and Social Behavior: Excellence in Research</i> University of California, Irvine	2011
<i>Strauss Endowed Scholarship.</i> University of California, Irvine Awarded for aspirations and accomplishments within public service. Total Awarded: \$4,500	2010
<i>Social Ecology Honors Program.</i> University of California, Irvine A selective undergraduate thesis program.	2010
Undergraduate Research Opportunities Program. <i>Attitudes influencing police decisions.</i> HS #2010-7682 University of California, Irvine. Principle Investigator	2010

Total Awarded: \$750

Undergraduate Research Opportunities Program. 2009

*Exploring the effect of specialty probation on substance abuse symptoms.*

University of California, Irvine.

Principle Investigator

Total awarded: \$1,550

---

## **PRESENTATIONS**

### **Conference Paper Presentations**

**Keith, F.**, Krantz, D., Whittaker, K., Harris, K., Rush, C., Weiss, A., Ware, C., and Gottlieb, S. (2014, March). Anger, hostility and re-hospitalization in patients with heart failure in the BETRHEART study. Paper presented at the American Psychosomatic Society Annual Conference (San Francisco, CA).

Manchak, S., Skeem, J., Wilson, M., **Keith, F.**, & Adel, S. (2012, March). Influencing criminal outcomes for offenders with mental illness: The role of relationship quality. Paper presented at the American Psychology-Law Society (AP-LS) annual conference, (San Juan, Puerto Rico).

Manchak, S., Skeem, J., Adel, S. & **Keith, F.** (2011, June). The Mandated Treatment Relationship: Characteristics and Impact on Criminal Outcomes of Offenders with Mental Illness. Paper presented at the meeting of the North American Correctional and Criminal Justice Psychology Conference- Canadian Psychological Association, (Ontario, Canada).

**Keith, F.**, Manchak, S., & Skeem, J. (2010, March). Exploring the effect of specialty probation on substance abuse symptoms. Symposium conducted at the meeting of the American Psychology and Law Society (Vancouver, Canada).

**Keith, F.**, Manchak, S., & Skeem, J. (2010, May). Exploring the effect of specialty probation on substance abuse symptoms. Paper presentation at the Psychology Undergraduate Research Conference held by the University of California, Los Angeles (Los Angeles, CA.)

Peterson, J., Skeem, J., Hart, E., Vidal, S., & **Keith, F.** (2009, March). Typology of offenders with mental disorder: Exploring the criminalization hypothesis. Paper presented at the American Psychology and Law Society (AP-LS) Annual Conference, (San Antonio, TX.)

### **Conference Poster Presentations**

**Keith, F.**, Krantz, D., Whittaker, K., Harris, K., Rush, C., Weiss, A., Ware, C., and Gottlieb, S. (2014, March). Anger, hostility and re-hospitalization in patients with heart failure in the BETRHEART study. Presented at the American Psychosomatic Society Annual Conference (San Francisco, CA).

**Keith, F.,** Kennealy, P., Manchak, S. and Skeem, J. (2013, July). Criterion-related Validity and Predictive Utility of MPQ Estimated TriPM Scales. Presented at the Society for the Scientific Study of Psychopathy Annual Conference (Washington, D.C.).

**Keith, F.** (2010, August). Heterogeneity in Homicide? A Comparison of International Homicide Sources. Symposium conducted at George Mason University during the meeting of the Center for Evidence Based Crime-Policy (Fairfax, VA).

---

### **OTHER EXPERIENCE**

#### **Community Service Officer**

University of California, Irvine Police Department

University of California, Irvine

Activities included assisting police officers in their daily duties.

October, 2007- May, 2010

#### **Police Explorer**

Department of Public Safety, Rohnert Park California

Activities included assisting police officers during their shifts and training.

June, 2006 – April, 2010

#### **Criminology Mentor**

Criminology Outreach Program: Department of Criminology, Law and Society

University of California, Irvine

Activities included teaching high school students about criminology and college.

January, 2009 – June, 2009

---

### **PROFESSIONAL MEMBERSHIPS**

Phi Beta Kappa

American Psychology and Law Society

Golden Key, University of California, Irvine Chapter

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### **GRADUATE COURSES**

#### ***Fall Quarter- 2012***

Experimental Statistics I

Adult Psychopathology

Research Methods in Complex Human Experiment I

Ethics and Responsible Conduct

***Winter Quarter- 2012/2013***

Foundations of Psychotherapy  
Experimental Statistics II  
Research Methods in Complex Human Experiment II  
Clinical Assessment I  
Social Psychology

***Spring- 2013***

Health Psychology and Behavioral Medicine  
Neuropsychology  
Clinical Assessment II  
Human Development  
Ethics in Psychology

***Summer- 2013***

Physiological Bases of Health and Disease  
Public Policy for Medical and Clinical Psychologists

***Fall- 2013***

Foundations and Intervention: Cognitive-Behavioral Therapy  
Military Psychology: Organization and Industry

***Winter- 2013/2014***

Appetitive Behaviors  
Psychodynamic Psychotherapy

***Spring- 2014***

Experiential and Integrative Psychotherapy  
Cognitive Psychology  
Psychopharmacology

***Fall- 2014***

Military Psychology-II

***Winter- 2014 (present)***

Group Psychotherapy

***Spring- 2015 (upcoming)***

Advanced Statistics  
Diversity

## **TAB 19**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*MAJ Anthony Robinson*

*Department of Preventive Medicine*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



July 8, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Master of Science effective upon your approval:

**MAJ Anthony Robinson**

MASTER OF SCIENCE IN PUBLIC HEALTH

Department of Preventive Medicine

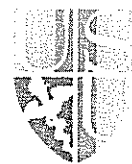
Attached is the candidate's Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



DISSERTATION APPROVAL FOR THE MASTER IN SCIENCE IN PUBLIC HEALTH DISSERTATION  
IN THE PREVENTIVE MEDICINE AND BIOMETRICS GRADUATE PROGRAM

Title of Thesis: "Occupational Exposure to Ototoxins and Resulting Hearing Loss among US Army Employees"

Name of Candidate: CPT Anthony Robinson  
Master of Science in Public Health Degree  
June 2, 2015

THESIS AND ABSTRACT APPROVED:

LTC Alex H. Stubner, Ph.D.  
DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS  
Committee Chairperson

DATE:

15 June 2015

LTC Bill White, Ph.D.  
DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS  
Thesis Advisor

16 JUN 2015

ROBINETTE.MARTIN.BA  
NKS.1158446312

Digitally signed by ROBINETTE.MARTIN.BA  
DN: c=US, o=US Government, ou=DoD, ou=PRC, ou=USA  
cn=ROBINETTE.MARTIN.BA, email=NKS.1158446312  
Date: 2015.06.15 07:19:48 -0400

15 June 2015

LTC Martin B. Robinette, Ph.D.  
ARMY INSTITUTE OF PUBLIC HEALTH  
Thesis Advisor

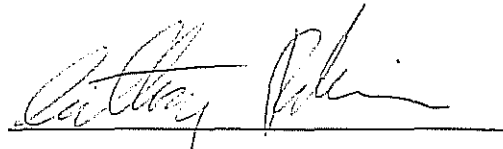
COL Mary T. Brueggemeier, M.D.  
DEPARTMENT OF PREVENTIVE MEDICINE AND BIOMETRICS  
Committee Member

15 June 2015

## **COPYRIGHT STATEMENT**

The author hereby certifies that the use of any copyrighted material in the dissertation [or thesis] manuscript entitled: OCCUPATIONAL EXPOSURE TO OTOTOXINS AND RESULTING HEARING LOSS AMONG U.S. ARMY EMPLOYEES is appropriately acknowledged and, beyond brief excerpts, is with the permission of the copyright owner.

[Signature]

A handwritten signature in black ink, appearing to read 'Anthony Robinson', written over a horizontal line.

CPT Anthony H. B. Robinson

May 5th, 2015

## **ABSTRACT**

Occupational Exposure to Ototoxins and Resulting Hearing Loss among US Army Employees:

CPT(P) Anthony Robinson, Master of Science in Public Health, 2015

Thesis directed by: LTC Stubner, Assistant Professor, Department of Preventive Medicine and Biometrics, Director of Environmental Science Graduate Program

Ototoxicity is the loss of hearing due to interaction with harmful chemicals that target the inner ear. A retrospective cohort study was conducted utilizing the Deployed Occupational Environmental Health Readiness System - Industrial Hygiene (DOEHRS-IH) database and the Deployed Occupational Environmental Health Readiness System - Hearing Conservation - Data Repository (DOEHRS-HC-DR) to determine whether or not selected ototoxins acted in synergy with noise exposure to result in hearing loss. Approximately 239 ototoxin exposure subjects with a total of 331 ototoxin samples were selected from the DOEHRS-IH database using a 2.5% or greater action level from the American Conference of Governmental Industrial Hygienists - Threshold Limit Values (ACGIH -TLVs). The ototoxic chemicals analyzed were: Carbon Monoxide, Manganese, n-Hexane, Lead Compounds, Stoddard Solvent, Styrene, Trichloroethylene, Toluene, and Xylene. Hearing loss information from the sample group was obtained from the DOEHRS-HC-DR. Risk factors for hearing loss were determined by logistic regression and the Kruskal-Wallis test of independent samples. The majority of participants were male (83.6%), average age of 45. The subjects were followed from the first to last audiogram which averaged 8.04 years. Subjects lost hearing with

statistical significance due to high noise levels ( $P = 0.022$ ) and age at all levels ( $P = 0.000$ ). For all ototoxic exposures combined, subjects showed that hearing loss decreased as ototoxic exposure increased ( $P = 0.051$ ), the same was observed for high ototoxin exposure levels ( $P = 0.036$ ). At the low ototoxin exposure levels (10-40% ACGIH-TLV), noise was not statistically significant and subjects showed that hearing loss increased as ototoxin exposure increased ( $P = 0.010$ ). Implications of this study show that as ototoxic exposures are increased to high levels, protective measures are in place to prevent adverse health effects. However, at low levels, especially below the ACGIH-TLV standards, hearing loss is occurring due to ototoxic exposure.

OCCUPATIONAL EXPOSURE TO OTOTOXINS AND RESULTING HEARING  
LOSS AMONG U.S. ARMY EMPLOYEES

by

CPT(P) Anthony H. B. Robinson

Environmental Science Engineering Officer

United States Army

Thesis submitted to the Faculty of the  
Preventive Medicine and Biometrics Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Master of Science in Public Health 2015

# Anthony H. B. Robinson

1001 Elm St, Ft Lauderdale, FL 33305

Anthony.H.B.Robinson@USC.af.mil

---

Rank: CPT (P) MOS/AOC: 72D67C

Home of Record: Ft Lauderdale, FL

Birth Date: [REDACTED] Place of Birth: London, England

Age: 39 Sex: M

Race: Black Citizenship: US Marital Status: Single

Basic Active Service Date: Jan 2003 Time in Service: 12 yrs

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## Civilian Education:

MS, Environmental Mgt & Occupational Safety, Columbia Southern University	2007
BS, Electrical Engineering, University of Miami	2002

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## Credentials:

Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS)	2010
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## Certifications/Training:

Advanced Waste Management Workshop, Edgewood, MD	2011
Basic Waste Management Workshop, Edgewood, MD	2011
Eight-Hour HAZWOPER Refresher, San Antonio, TX	2011
Forty-Hour HAZWOPER, San Antonio TX	2010
Deployed Occupational Environmental Health Readiness System – Industrial Hygiene (DOEHRS-IH), San Antonio TX	2010
Intermediate Industrial Hygiene Topics Course, Bel Air, MD	2010
Hazardous Materials Identification, Portable FT-IR instrument operation and application training course, MD	2010
USACHPPM, Health Risk Communication Program, Ft Lewis, WA.	2006
USACHPPM Radiation Safety Officer's Course, Albuquerque, NM	2006
Quartermaster School Food Safety and Protection Course, Fort Lee, VA	2004
Resource Conservation and Recovery Act 16-Hour Training, Tucson, AZ	2004
Microbiology for Water Analysis Cert., Hach Technical Training Center, Loveland, CO	2003
USACHPPM, Transport of Biomedical Material Certification, San Diego, CA	2003
ServSafe Certification, Fort Huachuca, AZ	2003

---

## Military Education:

AMEED Officer Advance Course	
Principles of Military Preventive Medicine, 6A-F5	2007
MS-Public Health Officer Basic (OBLC) Course 6-8-C20	2007
DoD Certified Applicator Cert. # A186-03-0707	2007
Basic Industrial Hygiene Techniques Course, 6H-F11/322-F11	2006

Primary Leadership Development Course, 600-00-PLDC	2005
Certified Applicator - 6 Right of Way, 8 Public Health Cert. A-186-03	2003
Preventive Medicine Specialist Course, 322-91S10	2003

---

#### **Military Decorations:**

Bronze Star Medal, NATO Medal, Army Commendation Medal (3), Army Achievement Medal (2) Army Good Conduct Medal, National Defense Service Medal, Afghanistan Campaign Medal Global War on Terrorism Medal, Korean Defense Service Medal, Non-commissioned Officer Personal Development Ribbon, Army Service Ribbon, Overseas Service Ribbon (2), Combat Action Badge, Air Assault Wings.

---

#### **Military Assignments:**

Student - Uniformed Services University of the Health Sciences. Degree program is the Master of Science in Public Health with an Environmental Science focus in the Department of Preventive Medicine and Biostatistics, Bethesda, MD. July 2013 – Present.

Project Officer - for PHCR-South Industrial Hygiene and the Environmental Science Engineering Division. Responsible for conducting and planning technical and program assistance visits to installations and Army depots in the southeastern region of the United States. Duties include teaching and helping program managers anticipate, recognize, evaluate and control environmental hazards in the occupational environment. Also responsible for teaching and implementing the DOEHRs-IH so that managers can develop their shops and similar exposure groups allowing workers to be monitored. Fort Sam Houston, TX. Sep 2009 – June 2013.

Environmental Science Officer - for the C/801<sup>st</sup> BSB, 4<sup>th</sup> Brigade Combat Team, 101<sup>st</sup> Airborne Division and the Combined Joint Task Force-101 deployed in support of Operation Enduring Freedom. Responsible for planning and coordinating force health protection policy, programs and operations for over 4,000 U.S. as well as coalition forces, and recommending priorities for use of preventive medicine resources. During deployment worked as a Contract Officer Representative (COR) and was responsible for coordinating and enforcing the regulations in the areas of HAZMAT, Solid waste, Water, Pest control and Food service sanitation. Responsibilities also included Medical threat briefings for all redeploying soldiers and conducting base camp assessments in AOR. Worked with the brigade engineers in the design of new forward operating bases. Conducted environmental sampling for characterization of potential Soldier exposures. Tracked all animal bite cases in coordination with the theatre Veterinarian. Implemented Malaria, Sand fly fever, and leishmaniasis surveillance programs. Ft. Campbell, KY. Sep 2007-Sep 2009.

Preventive Medicine NCOIC - for the Kenner Army Health Clinic Preventive Medicine Department. Responsibilities include running the sanitary inspection program on the installation, certifying and running the state water laboratory, assisting the Chief of Preventive Medicine in setting up the Annual flu vaccination program. Also includes coordinating, running and teaching Field Sanitation team training on installation. Responsible for executing the Regulated Medical Waste (RMW) program and was in charge of four Soldiers. Fort Lee, VA. Mar 2006 – Jul 2007.

Environmental Science Technician - for the 302d Brigade Support Battalion, Area 1 Camp Casey, Korea. Responsibilities included teaching Field Sanitation Training, conducting Hanta virus surveillance, conducting sanitary inspections, and training Korean Augmentation to the United States Army (KATUSA) Soldiers in preventive medicine principles. Giving medical threat leadership training to all Area 1 incoming personnel. Worked as the NCOIC of the S1 department for Charlie Company with two Soldiers, responsible for all administration actions and reporting for over 87 Soldiers. Responsible for two KATUSA and two Soldiers in the Preventive Medicine

section and was a squad leader in charge of seven Soldiers. Camp Casey, Korea. Mar 2005 – Mar 2006.

Environmental Science NCOIC - for the Raymond W. Bliss Army Health Clinic Preventive Medicine Department. Responsibilities included assisting with the West Nile Virus (WNV) surveillance program, providing area specific medical threat briefing to all signal corp. students, deploying and permanent change of station personnel, executing the sanitary inspection program on the Installation, certifying and running the state water laboratory, assisting the Chief of Preventive Medicine in setting up the Annual flu vaccination program. Coordinating, running and teaching Field Sanitation team training on installation, executing the Regulated Medical Waste program (RMW). Responsible for one Soldier. Fort Lee, VA. Jul 2003 – Mar 2005.

---

**Professional Affiliations:**

The American Industrial Hygiene Association (AIHA), member since 2014

The National Environmental Health Association (NEHA), member since 2010

## **TAB 20**

*Degree Granting:*

*F. Edward Hébert School of Medicine*

*Lisa Shank*

*Department of Medical and Clinical Psychology*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



July 8, 2015

**MEMORANDUM FOR CHARLES L. RICE, MD., PRESIDENT**

Through: Chair, Board of Regents

**SUBJECT:** Certification of Graduate Student

The graduate student listed below is presented for certification to receive the Master of Science effective upon your approval:

**Lisa Shank**

MASTER OF SCIENCE

Department of Medical and Clinical Psychology

Attached is the candidate's Dissertation Approval Form, certification of authorized use of copyrighted materials, Thesis Abstract, Thesis Title Page, and Curriculum Vitae.

Arthur L. Kellermann, MD, MPH  
Dean, USU, School of Medicine

Attachments:  
As stated



UNIFORMED SERVICES UNIVERSITY, SCHOOL OF MEDICINE GRADUATE PROGRAMS  
Graduate Education Office (A 1045), 4301 Jones Bridge Road, Bethesda, MD 20814



May 12, 2015

APPROVAL SHEET

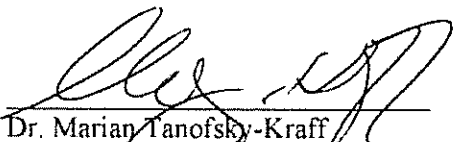
Title of Dissertation: **Attentional Bias to Food Cues in Youth with Loss of Control Eating**

Name of Candidate: **Lisa Shank, Master of Science in Medical and Clinical Psychology,**

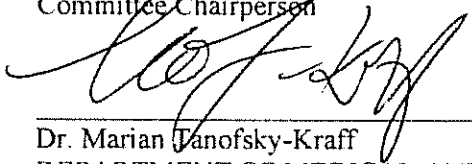
**05/12/2015**

THESIS AND ABSTRACT APPROVED:


DATE:

  
Dr. Marian Tanofsky-Kraff  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Chairperson


5/20/15

  
Dr. Marian Tanofsky-Kraff  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Thesis Advisor

5/20/15

  
Dr. Andrew Waters  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Member

5/27/15

  
Dr. Tracy Sbrocco  
DEPARTMENT OF MEDICAL AND CLINICAL PSYCHOLOGY  
Committee Member

5-20-15

The author hereby certifies that the use of any copyrighted material in the thesis manuscript entitled:

“Attentional Bias to Food Cues in Youth with Loss of Control Eating”

is appropriately acknowledged and, beyond brief excerpts, is with the permission of the copyright owner.

A handwritten signature in black ink, appearing to read "Lisa Shank".

Lisa Shank  
Medical and Clinical Psychology  
Uniformed Services University  
05/11/2015

## ABSTRACT

### Attentional Bias to Food Cues in Youth with Loss of Control Eating

Lisa M. Shank, M.S., 2015

Thesis directed by: Marian Tanofsky-Kraff, Ph.D., Associate Professor, Medical and Clinical Psychology

Emerging data indicate that adults with binge eating may exhibit an attentional bias toward highly palatable foods, which may promote obesogenic eating patterns and excess weight gain. However, it is unknown to what extent youth with loss of control (LOC) eating display a similar bias. We therefore studied 76 youth ( $14.5 \pm 2.3$ y; 86.8% female; BMI-z  $1.7 \pm 0.73$ ) with ( $n=47$ ) and without ( $n=29$ ) reported LOC eating. Following a breakfast to reduce hunger, youth participated in a computerized visual probe task of sustained attention that assessed reaction time to pairs of pictures consisting of high palatable foods, low palatable foods, and neutral household objects. Although sustained attentional bias did not differ by LOC eating presence and was unrelated to body weight, a two-way interaction between BMI-z and LOC eating was observed ( $p = .01$ ), such that only among youth with LOC eating, attentional bias toward high palatable foods versus neutral objects was positively associated with BMI-z. These findings suggest that LOC eating and body weight interact in their association with attentional bias to highly

palatable foods cues, and may partially explain the mixed literature linking attentional bias to food cues with excess body weight.

Attentional Bias to Food Cues in Youth with Loss of Control Eating

by

Lisa M. Shank

Thesis submitted to the Faculty of the  
Medical and Clinical Psychology Graduate Program  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Master of Science  
2015

**Lisa Shank, MS**  
*Curriculum Vitae*

**CONTACT INFORMATION**

Office Address:      Uniformed Services University of the Health Sciences  
                             Department of Medical and Clinical Psychology  
                             4301 Jones Bridge Road  
                             Bethesda, MD 20814  
Telephone:            [REDACTED]  
Email:                   lisa.shank@usuhs.edu

**EDUCATION**

**Uniformed Services University of the Health Sciences, Bethesda, MD**  
Ph.D. in Medical Psychology, expected 2020

**Drexel University, Philadelphia, PA**  
M.S. in Psychology, 2013

**Massachusetts Institute of Technology, Cambridge, MA**  
B.S. in Management Science, 2008

**HONORS AND AWARDS**

- 2015            Travel Scholarship, Second Short Course on Mathematical Sciences in Obesity Research; The University of Alabama at Birmingham (UAB) School of Public Health, Birmingham, AL
- 2015            Academy for Eating Disorders (AED) Student Early Career Investigator Travel Scholarship; Boston, MA
- 2013            *Psi Chi* (Psychology Honor Society)
- 2011-2013     Drexel Dean's Fellowship

**PEER-REVIEWED PUBLICATIONS**

1. Kelly, N. R., Shomaker, L. B., Pickworth, C. K., Grygorenko, M. V. Radin, R. M., Vannucci, A., **Shank, L. M.**, Brady, S. M., Courville, A. B., Tanofsky-Kraff, M., & Yanovski, J. A. (in press). Depressed affect and dietary restraint in adolescent boys' and girls' eating in the absence of hunger. *Appetite*.
2. Bakalar, J. L., **Shank, L. M.**, Vannucci, A., Radin, R. M., & Tanofsky-Kraff, M. (2015). Recent advances in developmental and risk factor research on eating disorders. *Current Psychiatry Reports*, 17(6), 585-595.
3. Matherne, C. E., Tanofsky-Kraff, M., Altschul, A. M., **Shank, L. M.**, Schvey, N. A., Brady, S. M., Galescu, O., Demiodowich, A. P., Yanovski, S. Z., & Yanovski, J. A. (2015). A

preliminary examination of Loss of Control Eating Disorder (LOC-ED) in middle childhood. *Eating Behaviors*, 18, 57-61.

4. Scontras, G., Badecker, W., **Shank, L.**, Lim, E., Fedorenko, E. (2015). Syntactic complexity effects in sentence production. *Cognitive Science*, 39(3), 559-583.
5. Lowe, M. R., **Shank, L. M.**, Mikorski, R., Butryn, M. L. (2015). Personal history of dieting and family history of obesity are unrelated: Implications for understanding weight gain proneness. *Eating Behaviors*, 17, 144-148.
6. **Shank, L. M.**, Tanofsky-Kraff, M., Nelson, E. E., Shomaker, L. B., Ranzenhofer, L. M., Hannallah, L. M., Field, S. E., Vannucci, A., Bongiorno, D., Brady, S. M., Condarco, T., Demidowich, A., Kelly, N. R., Cassidy, O., Simmons, W. K., Engel, S. G., Pine, D. S., & Yanovski, J. A. (2015). Attentional bias to food cues in youth with loss of control eating. *Appetite*, 87, 68-75.
7. Kelly, N. R., **Shank, L. M.**, Bakalar, J. L., & Tanofsky-Kraff, M. (2014). Pediatric feeding and eating disorders: Recommendations for diagnosis and treatment. *Current Psychiatry Reports*, 16(5), 446.

#### **SELECTED CONFERENCE & POSTER PRESENTATIONS (5 of 13)**

1. Tipton, A. E., **Shank, L. M.**, Kim, N. Y., Appelhans, B., Butryn, M. L., Malamas, S., & Lowe, M. R. (2015, April). *The Effect of Food Exposure and Hedonic Hunger on Cognitive Performance*. Poster to be presented at the International Conference on Eating Disorders, Boston, MA.
2. **Shank, L. M.**, Butryn, M. L., Appelhans, B. M., Tipton, A. E., Malamas, S., Kim, N. Y., & Lowe, M. R. (2014, November). *Response Inhibition and Trait Impulsivity in Young Adults with High and Low Levels of Hedonic Hunger*. Poster presented at The Annual Scientific Meeting of The Obesity Society, Boston, MA.
3. **Shank, L. M.**, Bakalar, J. L., Wilfley, D. E., Young, J. F., Shomaker, L. B., Hannallah, L. M., Field, S. E., Sbrocco, T., Stephens, M., Olsen, C., Reynolds, J. C., Brady, S. M., Kozlosky, M., Yanovski, J. A., Tanofsky-Kraff, M. (2014, October). *Therapeutic alliance during group interpersonal psychotherapy (IPT) versus group health education (HE) for the prevention of excess weight gain and eating disorders in adolescent girls with loss of control (LOC) eating*. Poster presented at The Annual Meeting of the Eating Disorders Research Society, San Diego, CA.
4. Matteucci, A. J., **Shank, L. M.**, Mikorski, R., Butryn, M. L., & Lowe, M. R. (2014, April). *Personal History of Dieting and Family History of Obesity: Independent risk factors for weight gain?* Poster presented at the Society of Behavioral Medicine, Philadelphia, PA.
5. **Shank, L.**, Zemel, B. S., Stettler, N., Parks, E. P., Tipton, A. E., & Lowe, M. R. (2013, May). *Reliability and Validity of the Child Version of the Power of Food Scale*. Poster presented at the International Conference on Eating Disorders, Montreal, Quebec, Canada.

## **TAB 21**

*Degree Granting:  
Daniel K. Inouye Graduate School of Nursing*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
DANIEL K. INOUE  
GRADUATE SCHOOL OF NURSING  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



July 6, 2015

MEMORANDUM FOR PRESIDENT, USUHS

THROUGH: CHAIR, BOARD OF REGENTS

SUBJECT: Graduating GSN Students for 2015

The following Uniformed Services University of the Health Science Graduate School of Nursing student has completed her program of study. Request that the Dean be authorized to award the PhD in Nursing Science degree based upon the successful completion of their requirements. The 2015 PhD graduate is listed below:

Last Name	First Name	Rank	Branch of Service	Program
Galloway	Susan	CDR	USN (Ret)	PhD

Carol A. Romano, PhD, RN, FAAN  
Dean and Professor



GSN

UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
**DANIEL K. INOUE**  
**GRADUATE SCHOOL OF NURSING**  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



June 30, 2015

MEMORANDUM FOR PRESIDENT, USU

THROUGH: CHAIR, BOARD OF REGENTS

Subject: Certification of Doctoral Student

The graduate student listed below is presented for certification to receive the Doctor of Philosophy effective upon your approval:

**SUSAN J. GALLOWAY**

DOCTOR OF PHILOSOPHY

DOCTOR OF NURSING SCIENCE PROGRAM

Attached is the candidate's Certification of Successful Completion of the Final Examination. Also attached are the Dissertation Approval Form, Certification of Authorized use of Copyrighted Materials, Dissertation Abstract, Dissertation Title Page and Curriculum Vitae.

Carol A. Romano PhD, RN, FAAN  
Dean, Graduate School of Nursing

Attachments:  
As stated



**UNIFORMED SERVICES UNIVERSITY**  
*of the Health Sciences*

**GSN PhD Program in Nursing Science**  
**PhD Degree Certification**

**NAME:** Susan J. Galloway

**Degree Date:** 4 August 2015

**Total Course Units:** GPA: 3.73

**Credits:** 141.3

**Date passed dissertation proposal oral examination:** 10 March 2011

**Date passed dissertation oral defense:** 28 May 2015

**Date dissertation accepted by the GSN:** 30 June 2015

I certify that the above named student has fulfilled all requirements for the PhD degree.

**Chairperson:** Christine Kasper PhD, RN, FAAN

**Signature:**

Approval/Disapproval

**Director, Doctoral Program:**

**Date:**

30 June 2015

Penny F. Pierce PhD, RN, FAAN

Approval/Disapproval

**Dean, Graduate School of Nursing**

**Date:**

7 July 2015

Carol A. Romano PhD, RN, FAAN



Daniel K. Inouye Graduate School of Nursing  
PhD Program in Nursing Science  
Dissertation Defense  
Doctor of Philosophy Degree

NAME: SUSAN J. GALLOWAY RN, MSN

TITLE: *Neuro-Behavioral Effects of Blast Injury on Neurohypophysial Hormone Producing Neurons in Sprague Dawley Rats: Impact on Allostasis*

Date of Defense: 28 May 2015 from 1500 hrs to 1700 hrs

The decision of the Dissertation Committee is:

PASS

- A. Both the dissertation and the oral defense are satisfactory: \_\_\_\_\_
- B. Minor changes are recommended by the Dissertation Committee that is to be made to the satisfaction of the Dissertation Chairperson: \_\_\_\_\_

DEFER

- A. Major changes in the dissertation are required. Changes must be made to the satisfaction of the Dissertation Chairperson: \_\_\_\_\_
- B. Major changes in the dissertation are required. Changes must be made to the satisfaction of the Dissertation Committee and at that time the oral defense will be rescheduled: \_\_\_\_\_

FAIL: Neither the oral performance nor the dissertation is adequate: \_\_\_\_\_

SIGNATURES OF THE COMMITTEE:

Chairperson: Christine E. Kasper PhD, RN

Signature: \_\_\_\_\_

Member: Marguerite Littleton-Kearney PhD, RN

Signature: \_\_\_\_\_

Member: Tao-Yiao (John) Wu PhD

Signature: \_\_\_\_\_

Approval/Disapproval

Director, Doctoral Program: \_\_\_\_\_

Date: \_\_\_\_\_

Approval/Disapproval

Dean, Graduate School of Nursing: \_\_\_\_\_

Date: \_\_\_\_\_

## **COPYRIGHT STATEMENT**

The author hereby certifies that the use of any copyrighted material in the dissertation manuscript entitled: Neuro-Behavioral Effects of Blast Injury on Neurohypophysial Hormone Producing Neurons in Sprague Dawley Rats: Impact on Allostasis is appropriately acknowledged and, beyond brief excerpts, is with the permission of the copyright owner.

A handwritten signature in cursive script, reading "Susan Galloway", is written over a horizontal line.

Susan Galloway

June 29, 2015

## ABSTRACT

Title of Thesis: Neuro-Behavioral Effects of Blast Injury on Neurohypophyseal Hormone Producing Neurons in the Sprague-Dawley Rat: Impact on Allostasis

Author: Susan J. Galloway, Doctor of Philosophy, 2015

Thesis directed by: Christine E. Kasper, Ph.D., Professor  
Graduate School of Nursing

Service members and civilians are exposed to mild blast-induced neurotrauma through combat, terrorist, and other man-made events. Mild blast traumatic brain injury (mbTBI) can cause neurodegeneration with cognitive and behavioral changes that negatively impact health and quality of life. Magnocellular and parvocellular neurons in the paraventricular nucleus (PVN) and supraoptic nucleus (SON) produce oxytocin and vasopressin. These neuropeptides act as allostatic mediators to influence the stress response and learning and memory that underlie social behaviors. Following mbTBI the anti-inflammatory effect of minocycline can mitigate damage to neuronal tissue, and housing in an enriched environment (EEN) may also aid in neuronal tissue recovery. This study used immunohistochemistry to visualize the PVN and SON of Sprague-Dawley rats (N=23) to determine the effect of an mbTBI (20±3 p.s.i.) on oxytocin and vasopressin producing neurons. We then compared the effect of EEN and minocycline therapy on oxytocin and vasopressin neurons following mbTBI. We also compared the mbTBI effect on these neurons to behavioral test results of the Elevated Plus Maze (EPM), Barnes Maze (BM), and Open Field Test (OFT). Our results showed that mbTBI

resulted in complete absence of oxytocin and vasopressin immunostaining in the PVN and SON. Compared to controls, rats that were environmentally enriched had more oxytocin neurons in the PVN. Treatment with minocycline both immediately and at 35-38 days after injury, reversed the effect of mbTBI on expression of oxytocin and vasopressin neurons. We did not find that negatively affected neurons were related to spatial learning and memory scores. Furthermore, decreased number of oxytocin and vasopressin neurons did not reflect increased anxiety, but locomotor activity did decrease over time possibly due to the stress of repetitive testing. We can conclude that mbTBI resulted in significant loss of expression of oxytocin and vasopressin. This loss did not reflect poorer behavioral scores compared to controls. Minocycline and EEN did result in an increase in oxytocin and vasopressin neurons in the injured animals.

Neuro-Behavioral Effects of Blast Injury on Neurohypophysial Hormone Producing  
Neurons in Sprague Dawley Rats: Impact on Allostasis

by

Susan Galloway

Dissertation submitted to the Faculty of the  
Daniel K. Inouye Graduate School of Nursing  
Uniformed Services University of the Health Sciences  
In partial fulfillment of the requirements for the degree of  
Doctor of Philosophy 2015

**ABBREVIATED CURRICULUM VITAE  
BOARD OF REGENTS**

Date Prepared: June 29, 2015

**I. NAME: Susan J. Galloway**

**Department:** Graduate School of Nursing

**Current professional address:**

University of Virginia Health Systems

1215 Lee Street

Charlottesville, VA 22903

**Citizenship:** U.S.

**Other personal info (if desired):**

**II. EDUCATION:**

<u>Degree</u>	<u>Year</u>	<u>Institution</u>
MSN	1998	DePaul University
BSN	1986	Winona State University
BA	1980	College of St. Teresa

**III. GRADUATE MEDICAL EDUCATION:** N/A

<u>Specialty</u>	<u>Years</u>	<u>Institution</u>
------------------	--------------	--------------------

**IV. EMPLOYMENT RECORD:**

(Academic, hospital and military assignments, appointments, consultantships, etc.) (Chronological order with inclusive years.)

2011-present: University of Virginia Health Systems, Charlottesville, VA

2008-2011: Joint Task Force National Capital Medical, Bethesda, MD

2004-2008: U.S. Naval Hospital, Rota, Spain

2002-2004: National Naval Medical Center, Bethesda, MD

1998-2002: Bureau of Medicine and Surgery, Washington, DC

1996-1998: Duty Under Instruction, DePaul University, Chicago, IL

1992-1996: U.S. Naval Hospital, Great Lakes, IL

1989-1992: U.S.N. Hospital Corps School, Great Lakes, IL

1986-1989: U.S. Naval Hospital, Pensacola, FL

**V. LICENSURE:** Registered Nurse

<u>State</u>	<u>Year</u>
VA	Current

**VI. AMERICAN SPECIALTY BOARD CERTIFICATION:** N/A

<u>Board</u>	<u>Year</u>
--------------	-------------

**VII. EDITORIAL POSITIONS AND APPOINTMENTS IN SOCIETIES OR**

**REVIEW BOARDS:** Journal of Neuroscience Nursing: 2011-2012

VIII. **HONORS:** Graduation With Distinction, DePaul University, 1998

IX. **PUBLICATIONS:** (Divided as shown)

**Number of publications in refereed journals (include page numbers):**

1. Simulation Techniques to Bridge the Gap Between Novice and Competent Healthcare Professional, 2009, *The online journal of issues in nursing* 14(2), May.

**Number of published books, chapters, or articles in non-refereed**

**Publications:** none

**Numbers of published abstracts:** none

## **TAB 22**

*Faculty Appointments and Promotions:  
F. Edward Hébert School of Medicine*



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4799



22 June 2015

MEMORANDUM FOR DR. ARTHUR KELLERMANN, DEAN, USU SOM

Through: CHR

SUBJECT: CAPT Approval of Requests for Prefixed and Non-prefixed Positions

At meetings held on 8 June 2015 and 16 June 2015, with a quorum of members present, the CAPT reviewed and unanimously recommended approval of the following individuals for promotion or appointment to the non-prefixed positions specified in the attached document.

LEDFORD, Christy JW  
SBROCCO, Tracy  
MANCUSO, James  
BECKETT, Charmagne  
NAPOLITANO, Peter  
SANTIAGO, Patcho  
CASEY, Kevin

CHOI, Yong  
LITTLEFIELD, Philip  
RODRIGUEZ, Carlos  
ROOFE, Scott  
SHACKELFORD, Stacy A  
STROUP, Sean P

Note that Drs. McCabe, Elster, and myself were recused from discussion of Clifton Dalgard, Ph.D., and a memo from Dr. Broder, Acting Chair of the SOM CAPT, will be provided for this individual.

The CAPT concurred with request for tenure extension by Celia Byrne, M.S. Ph.D.


I have reviewed and approve the nominations of the following individuals for prefixed positions specified in the attached document.

JACOBS, Joshua  
KRUGER, Robert  
MICHALSKI, Amy  
LIN, Kenneth

EHRENFELD, Jesse  
HUGHES, Charles  
ROBERTS, Lawrence  
PHALEN, James

I have reviewed and approve the nomination of David Brett-Major for secondary appointment as specified in the attached document.

I have reviewed and concur with the nomination of Eleanor Metcalf, Ph.D. for appointment as Emeritus Professor of Microbiology and Immunology.

A handwritten signature in cursive script that reads "Thomas N. Darling". The signature is written in dark ink and is positioned above the printed name.

Thomas N. Darling, M.D. Ph.D.  
Chair, CAPT, SOM



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4799



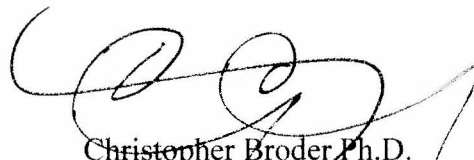
22 June 2015

MEMORANDUM FOR Dr. ARTHUR KELLERMAN  
DEAN, SCHOOL OF MEDICINE

Through: CHR

SUBJECT: CAPT Approval of Promotion Request – Clifton Dalgard, Ph.D.

At a meeting held on 8 June 2015, with a quorum of members present, the CAPT reviewed and unanimously recommended approval of the promotion of Clifton Dalgard, Ph.D. to the positions of Associate Professor, with tenure, in the Department of Anatomy, Physiology, and Genetics (primary), and Associate Professor in Molecular and Cell Biology (secondary) and Associate Professor in Neuroscience (secondary).

  
Christopher Broder Ph.D.  
Acting Chair, CAPT, SOM



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712  
<http://www.usuhs.mil>



June 22, 2015

MEMORANDUM FOR BOARD OF REGENTS

THROUGH: CHR

SUBJECT: Approval for Faculty Appointments

I recommend that you approve these recommendations and forward them to the President of the University for further action. The two individuals who have been recommended to go forward by an *ad hoc* Equivalent CAPT committee are

MAGGIO, LAUREN

WILLIAMSON, KIM

Sincerely,

Arthur L. Kellermann, MD, MPH  
Professor and Dean, School of Medicine

Attachments



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4799



2 July 2015

MEMORANDUM FOR DR. ARTHUR KELLERMANN, DEAN, USU SOM

Through: CHR

SUBJECT: CAPT Approval of Requests for Secondary Appointments

I have reviewed and approve the nomination of the following individuals for secondary appointments as Professors in the Department of Medicine.

LOPREIATO, Joseph O.  
REAMY, Brian V.  
CRUESS, David F.

Thomas N. Darling, M.D. Ph.D.  
Chair, CAPT, SOM



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712  
August 24, 2015



MEMORANDUM FOR CHARLES L. RICE, M.D., PRESIDENT, USUHS

THROUGH: Board of Regents

THROUGH: Arthur L. Kellermann, M.D., M.P.H., Dean, School of Medicine

SUBJECT: Change to Emeritus Status for Eleanor Metcalf, Ph.D.

Dr. Eleanor Metcalf, Professor of Microbiology and Immunology and Professor of Emerging Infectious Diseases, will retire from the University on June 30, 2015. She has been a member of the faculty since 1977 when she joined the then Department of Microbiology as an Assistant Professor. During Dr. Metcalf's 38 years of service to the University, she has contributed her time, effort, and enthusiasm on many fronts. She served on the CAPT, University Space Committee, IACUC (2 terms), the Radiation Safety Committee, and Merit Review Committee and on many Middle States re-accreditation committees. She was also President of the Faculty Senate. In addition, she chaired such committees as the Search Committee for the GSN Dean and the Graduate Education Committee. She was heavily involved in both medical student and graduate student education. She was Program Director for the Graduate Program in Microbiology and the first Program Director for the EID program.

One of Dr. Metcalf's most prominent roles at USU was that of Associate Dean of Graduate Education (2006-2014). In that capacity, she established the Cinda Helke Travel Awards and facilitated a raise in student stipends. For her efforts on behalf of the graduate students, she received the Cinda Helke Award for Excellence in Graduate Student Advocacy (2006). For her efforts on behalf of the faculty and her scholarly excellence, she was awarded the Carol Johns Medal as nominated by the Faculty Senate (2012).

Dr. Metcalf would like to continue to serve the University as a member of search committees and in other ways that would be helpful to the school. As an Emeritus Professor, she would be in a position to do so. Therefore, I most enthusiastically recommend her appointment as Emeritus Professor of Microbiology and Immunology.

Sincerely,

Alison O'Brien, Ph.D.  
Professor and Chair,  
Department of Microbiology  
and Immunology



Office of the Senior Associate Dean for Academic Affairs

19 June 2015

MEMORANDUM FOR CHR – Darryl Brown

THRU: Arthur L. Kellermann MD, MRH Professor & Dean, SOM

SUBJECT: Recommendation for Academic Appointment/Promotion as EMERITUS

**Jeffrey M. Harmon, PhD**

This memorandum is written to support the recommendation for the academic promotion and appointment of Jeffrey Harmon, PhD as an EMERITUS Professor of Pharmacology. Dr. Harmon will be retiring from USU School of Medicine after an extraordinary career of 34 years at the University. His last 8 years have been as the Chair of the Department of Pharmacology. Dr. Harmon's career and service to the School of Medicine have been exemplary and marked by a passion and devotion to education and research that have helped elevate the national reputation of the University. It would be a true privilege to continue to count Dr. Harmon as an Emeritus Professor of our faculty upon his retirement from Federal Service.

This memorandum serves as a formal request to process this academic appointment through the CHR and the BOR. Please let me know if you have any questions or concerns.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'BVR', followed by a long horizontal line and the letters 'MD'.

Brian V. Reamy, M.D., Col(RET), USAF, MC  
Senior Associate Dean for Academic Affairs Professor of Family  
Medicine F. Edward Hébert School of Medicine

Attachments: 1) Dr. Harmon's CV

PROPOSED FACULTY RECOMMENDATIONS

August 5, 2015  
SOM BOR LIST

DEPARTMENT/ NAME	PROPOSED RANK	ACTION/CURRENT DUTY STATION
<b><u>Primary Appointments</u></b> <b><u>(Billeted)</u></b>		
<u>ANATOMY, PHYSIOLOGY AND GENETICS</u>		
DALGARD, Clifton Ph.D.	Associate Professor Tenure	Promotion USUHS
<u>FAMILY MEDICINE</u>		
LEDFORD, Christian Ph.D.	Associate Professor Non-Tenure	Promotion USUHS
<u>MEDICINE</u>		
MAGGIO, Lauren Ph.D.	Associate Professor Non-Tenure/Tenure-Track	Appointment USUHS
<u>MEDICAL AND CLINICAL PSYCHOLOGY</u>		
SBROCCO, Tracy Ph.D.	Professor Currently Tenured	Promotion USUHS
<u>MICROBIOLOGY AND IMMUNOLOGY</u>		
WILLIAMSON, Kimberly Ph.D.	Professor Tenure	Appointment USUHS
<u>PREVENTIVE MEDICINE AND BIOMETRICS</u>		
MANCUSO, James LTC, MC, USA	Associate Professor Non-Tenure	Promotion USUHS

DEPARTMENT/ NAME	PROPOSED RANK	ACTION/CURRENT DUTY STATION
<b><u>Primary Appointments</u></b> <b><u>(Non-Billeted)</u></b>		
<b><u>FAMILY MEDICINE</u></b>		
JACOBS, Joshua L. M.D.	Adjunct Professor Non-Tenure	Promotion Washington, DC
<b><u>MEDICINE</u></b>		
BECKETT, Charmagne G. CAPT, MC, USN	Associate Professor Non-Tenure	Promotion Bethesda, MD
KRUGER, Robert M. M.D.	Clinical Associate Professor Non-Tenure	Promotion Lackland, TX
<b><u>OBSTERICS AND GYNECOLOGY</u></b>		
NAPOLITANO, Peter G. COL, MC, USA	Professor Non-Tenure	Promotion Tacoma, WA
<b><u>PEDIATRICS</u></b>		
MICHALSKI, Amy C. M.D.	Clinical Associate Professor Non-Tenure	Promotion San Diego, CA
PHALEN, James Col, USAF, MC	Clinical Professor Non-Tenure	Promotion Lackland, TX
<b><u>PREVENTIVE MEDICINE AND BIOMETRICS</u></b>		
LIN, Kenneth M.D.	Adjunct Associate Professor Non-Tenure	Promotion Washington, DC
<b><u>PSYCHIATRY</u></b>		
SANTIAGO, Patcho CDR, MC, USN	Associate Professor Non-Tenure	Promotion WRNMMC

DEPARTMENT/ NAME	PROPOSED RANK	ACTION/CURRENT DUTY STATION
<u>SURGERY</u>		
CASEY, Kevin M. LCDR, MC, USN	Associate Professor Non-Tenure	Promotion San Diego, CA
CHOI, Yong U. LTC, MC, USA	Associate Professor Non-Tenure	Promotion Fort Gordon, GA
EHRENFELD, Jesse M. M.D.	Adjunct Professor Non-Tenure	Appointment Nashville, TN
HUGHES, Charles A. M.D.	Adjunct Professor Non-Tenure	Appointment Augusta, GA
LITTLEFIELD, Philip D. LTC, MC, USA	Associate Professor Non-Tenure	Promotion Kaneohe, HI
ROBERTS, Lawrence H. CAPT, MC, USN	Adjunct Professor Non-Tenure	Promotion Falls Church, VA
RODRIGUEZ, Carlos J. COL, MC, USA	Associate Professor Non-Tenure	Promotion WRNMMC
ROOFE, Scottie B. COL, MC, USA	Associate Professor Non-Tenure	Promotion Honolulu, HI
SHACKELFORD, Stacy A. Col, USAF, MC	Associate Professor Non-Tenure	Appointment Baltimore, MD
STROUP, Sean CDR, MC, USN	Associate Professor Non-Tenure	Promotion San Diego, CA

DEPARTMENT/ NAME	PROPOSED RANK	ACTION/CURRENT DUTY STATION
<b>Secondary Appointments (Billeted)</b>		
<u>EMERGING INFECTIOUS DISEASES</u>		
WILLIAMSON, Kimberly Ph.D.	Professor Non-Tenure	Appointment USUHS
<u>MEDICINE</u>		
CRUESS, David Ph.D.	Professor Non-Tenure	Appointment USUHS
LOPREIATO, Joseph M.D.	Professor Non-Tenure	Appointment USUHS
REAMY, Brian M.D.	Professor Non-Tenure	Appointment USUHS
<u>MOLECULAR CELLULAR BIOLOGY</u>		
DALGARD, Clifton Ph.D.	Associate Professor Non-Tenure	Promotion USUHS
WILLIAMSON, Kimberly Ph.D.	Professor Non-Tenure	Appointment USUHS
<u>NEUROSCIENCE</u>		
DALGARD, Clifton Ph.D.	Associate Professor Non-Tenure	Promotion USUHS

DEPARTMENT/ NAME

PROPOSED RANK

ACTION/CURRENT DUTY  
STATION

**Secondary Appointments  
(Non-Billeted)**

MEDICINE

BRETT-MAJOR, David M.  
CDR, MC, USN

Associate Professor  
Non-Tenure

Promotion  
Silver Spring, MD

DEPARTMENT/ NAME	PROPOSED RANK	ACTION/CURRENT DUTY STATION
<b>EMERITUS PROFESSOR</b>		
<u>MICROBIOLOGY AND IMMUNOLOGY</u>	Emeritus Professor	
METCALF, Eleanor Ph.D.		
<u>PHARMACOLOGY</u>		
HARMON, Jeffrey Ph.D.	Emeritus Professor	

## **TAB 23**

*Faculty Appointments and Promotions:  
Postgraduate Dental College*



OFFICE OF THE DEAN

**UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
POSTGRADUATE DENTAL COLLEGE**  
2787 Winfield Scott Road, Suite 220, Building 2398  
JBSA Fort Sam Houston, Texas 78234



24 June 2015

**MEMORANDUM FOR BOARD OF REGENTS**

**SUBJECT: Faculty Appointments and Promotions, Postgraduate Dental College**

The attached is the recommendation made by the Postgraduate Dental College's Committee on Appointments and Promotions (PDC CAP) at a meeting on 24 June 2015. I recommend that you approve this recommendation and forward it to the President of the University for further action.

Thomas R. Schneid, DMD, MS  
Executive Dean and Professor  
Postgraduate Dental College

Attachments

**POSTGRADUATE DENTAL COLLEGE FACULTY RECOMMENDATIONS**

**24 JUNE 2015**

**BOARD OF REGENTS**

DEPARTMENT/ NAME	PROPOSED RANK	ACTION/CURRENT DUTY STATION
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***Air Force Postgraduate Dental School  
(AFPDS)***

DeFreest, Charles Col (ret), USAF, DC	Professor Non-Tenure	Appointment JBSA- Lackland, TX
PHOENIX, Rodney Col, USAF, DC	Professor Non-Tenure	Appointment JBSA- Lackland, TX
BATZER, Richard Col, USAF, DC	Associate Professor Non-Tenure	Promotion JBSA- Lackland, TX
SALMON, Cade Lt Col, USAF, DC	Associate Professor Non-Tenure	Promotion JBSA-Lackland, TX
WEALLEANS, James Maj, USAF, DC	Associate Professor Non-Tenure	Promotion JBSA- Lackland, TX

***Navy Postgraduate Dental School (NPDS)***

MAZZEO, Nicholas CAPT, DC, USN	Professor Non-Tenure	Promotion WRNMMC
WEBB, Terry CAPT, DC, USN	Professor Non-Tenure	Promotion WRNMMC
Hinman, Susan LCDR, DC, USN	Associate Professor Non-Tenure	Promotion WRNMMC
SCHMIDT, John Ph.D.	Associate Professor Non-Tenure	Appointment WRNMMC

## **TAB 24**

*Award Nomination:  
USU Medal  
Lt Gen (Ret) Paul K. Carlton*



**UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES**

4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712  
[www.usuhs.mil](http://www.usuhs.mil)



1 July 2015

MEMORANDUM FOR THE PRESIDENT, USU

THROUGH: USU BOARD OF REGENTS

SUBJECT: USU Medal for Lt Gen (Ret) Paul K. Carlton

The USU Names and Honors Committee fully supports the presentation of the USU medal to Lt Gen (Ret) Paul K. Carlton for his many years of distinguished service to the Military Health System and the Uniformed Services University.

Thank you for your consideration.

L. Andrew Huff, Col, USAF, MC, SFS  
Director, AFRRI  
Chair, USU Names & Honors Committee



THE NORMAN M. RICH  
DEPARTMENT OF SURGERY  
301-295-3155 FAX 301-295-3627  
SURGERY.USUHS.MIL

## UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES

4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



Air Force Hospitals  
Army Hospitals  
Navy Hospitals  
www.USUHS.MIL

### MEMORANDUM FOR PRESIDENT UNIFORMED SERVICES UNIVERSITY

SUBJECT: Nomination for University Medal

Dear Dr. Rice:

It is with great pleasure that we as a department wish to nominate Lt. Gen. (RET) Paul K. Carlton, MC USAF, to receive the University Medal, our highest award, reserved exclusively for those who have served with great distinction. We believe that Dr. Carlton is fully deserving of this honor.

Dr. Carlton has spent his career in pursuit of better medical care for the wounded and ill. He has an uncanny ability to analyze how we provide care, and to make adjustments so that we are more efficient, better supplied, better trained, and more capable. He has been unafraid in confronting obstacles along the way which have slowed or prevented needed changes. On many occasions, his career was put on the line, and yet he was able to overcome much hardship and trial, always to the betterment of military medicine.

A great example of Dr. Carlton's leadership has been the modern aeromedical evacuation system, which was completely revamped under his leadership. His early efforts created what was called the FAST Team, or the "Flying Ambulance Surgical Trauma Team", which merely involved a pallet of equipment at Rhein-Mein Air Force Base, ready to be loaded on an aircraft of opportunity, and flown to an area of need. Under his direct guidance, this system has morphed into the CCATT mission where our wounded from the Middle East are stabilized quickly, then loaded on dedicated aircraft and sent thousands of miles to definitive care. This current system completely changed the paradigm of casualty care and as such, has saved the lives and limbs of thousands of our troops. This was truly Dr. Carlton's creation. He deserves the title: "Father of the Modern Aerovac System". Few in the military have been able to make similar improvements and changes to such a vital function as aerovac.

Despite recurrent protests by military leadership, Dr. Carlton was even able to change U.S. Army doctrine, a feat seldom accomplished by any Air Force General at any time in our history. (The old Army doctrine was not in favor of immediate aeromedical evacuation.) Dr. Carlton always has led the way for his colleagues. He took full ownership of his patients, and would do anything to help them in their struggles. He went out of his way for his patients. He always took his share (or more) of call, and was constantly involved in helping colleagues in their quest to succeed in their careers. Even as Commander of Wilford Hall USAF Medical Center (a Major General), he took trauma call, which sent a clear and unmistakable message to all who served under him. As such, he sets the bar as an example for our "medical leadership academy".

We were privileged to host Dr. Carlton as our Grand Rounds speaker on the 11th of January, 2015, which exposed our young physicians and trainees to his view of the world, and taught us all about how we can actually change and improve our system. Dr. Carlton realizes the unique value of military medicine, and knows that it is under attack. He is an avid student of military history, and realizes that we continue to need a robust military medical component. He is a vocal advocate of our system of care. He recognizes its unique value, and how if it is taken away, it will be impossible to restore. He is also a great friend and supporter of the Uniformed Services University and is fully engaged in our university's mission and vision.

On a personal note, Dr. Carlton is a man of faith, and one who has very high personal standards. He is honest. He always tells the truth as he sees it. Given his dedication, his great work, his life, his example, his career in the U.S. military, we would like to nominate him to receive the University Medal from your hand.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric A. Elster', with a stylized, flowing script.

Eric A. Elster, MD, FACS  
CAPT, MC, USN  
Chairman and Professor of Surgery

CITATION TO ACCOMPANY THE AWARD OF THE  
UNIVERSITY MEDAL  
TO  
LIEUTENANT GENERAL PAUL K. CARLTON JR.  
MC USAF (RET)

General Paul K. Carlton, United States Air Force Medical Corps (Ret), distinguished himself by exceptionally superior service as a true leader while on active duty, rising to the rank of Lieutenant General and serving as the Air Force Surgeon General at the end of his active-duty career. He was known as a great surgeon, and always took full ownership and responsibility for his patients. Even while the Commander of Wilford Hall Medical Center, he continued to take trauma call, do surgery, and work in the clinics. Throughout his career, beginning as a young Lieutenant Colonel in Germany, he fought to make the aerovac system more capable. He was able to eventually create the present day life-saving system of care, which allows for “care in the air”, bringing critically wounded warfighters thousands of miles to definitive care in Germany and the USA. General Carlton is an avid supporter of our University, and continues to actively work in support of our mission. The distinctive accomplishments of General Carlton reflect great credit upon himself, the Uniformed Services University of the Health Sciences, the United States Air Force, and the Department of Defense.

Charles L. Rice, MD  
President

## **TAB 25**

*Award Nomination:  
Distinguished Service Award  
Dr. Boris D. Lushniak*



**UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES**

4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712  
[www.usuhs.mil](http://www.usuhs.mil)



23 June 2015

MEMORANDUM FOR THE PRESIDENT, USU

THROUGH: USU BOARD OF REGENTS

SUBJECT: Distinguished Service Award for Dr. Boris D. Lushniak

The USU Names and Honors Committee fully supports the presentation of the Distinguished Service Award to Dr. Boris D. Lushniak for his many years of distinguished service to the Military Health System and the Uniformed Services University as the Acting and Deputy Surgeon General of the United States. Dr. Lushniak also served here at the University as an Adjunct Professor.

Thank you for your consideration.

L. Andrew Huff, Col, USAF, MC, SFS  
Director, AFRRRI  
Chair, USU Names & Honors Committee



OFFICE OF THE  
PRESIDENT  
(301) 295-3013

UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712  
<http://www.usuhs.mil>



June 19, 2015

MEMORANDUM FOR PRESIDENT, UNIFORMED SERVICES UNIVERSITY

THROUGH: BOARD OF REGENTS, USU  
NAMES AND HONORS COMMITTEE, USU

SUBJECT: Recommendation for the USU Distinguished Service Award

In accordance with USUHS Instructions, please find the attached request to nominate Rear Admiral Boris D. Lushniak, MD, MPH, United States Public Health Service, for the Uniformed Services University of the Health Sciences Distinguished Service Award. Admiral Lushniak is currently the Deputy Surgeon General of the United States after having recently served as the Acting Surgeon General of the United States. He has served a spectrum of University roles, to include faculty member and dedicated advocate, champion, and one of the most active and engaged participants of the University Board of Regents.

Admiral Lushniak has distinguished himself with extraordinary contributions to healthcare education, research, clinical care, and professional development not only within the Public Health Service, but entire nation. His tireless commitment and dedication to the Uniformed Services University are exceptionally worthy of this level of recognition.

JEFFREY LONGACRE, MD  
Vice President, External Affairs  
Executive Secretary, Board of Regents  
Uniformed Services University

NARRATIVE JUSTIFICATION  
DISTINGUISHED SERVICE AWARD  
TO  
REAR ADMIRAL BORIS D. LUSHNIAK  
UNITED STATES PUBLIC HEALTH SERVICE

Rear Admiral (RADM) Boris D. Lushniak, M.D., M.P.H., continues to serve as the Deputy Surgeon General of the United States after recently serving as the Acting United States Surgeon General from July 2013 to December 2014. Dr. Lushniak initially served as Deputy Surgeon General from November 2010, until July 2013, when he assumed the duties of Acting Surgeon General. In these roles, he demonstrated his steadfast commitment to improve personal health and the health of the Nation by overseeing the operations of the U.S. Public Health Service (USPHS) Commissioned Corps, comprising approximately 6,700 uniformed health officers who serve in locations around the world to promote, protect, and advance the health and safety of our Nation.

Dr. Lushniak was admitted to the six-year Honors Program in Medical Education at Northwestern University and completed his Bachelor of Science degree in Medical Sciences in 1981 and obtained his medical degree (MD) in 1983. In 1984, he completed the Masters of Public Health (MPH) degree at Harvard University. He completed a residency in family medicine in 1987 at St. Joseph Hospital in Chicago and a residency in dermatology at the University of Cincinnati in 1993. He began his USPHS career in 1988 as a Lieutenant, entering the service as part of the Epidemic Intelligence Service (EIS) at the Centers for Disease Control and Prevention (CDC) and initially was stationed with the CDC's National Institute for Occupational Safety and Health (NIOSH) in Cincinnati, Ohio, where he conducted epidemiological investigations of workplace hazards. In 1990, he was accepted for the CDC's long-term training program and completed a three-year residency in dermatology at the University of Cincinnati after which he established an occupational skin disease program at NIOSH. During his time at the CDC, he also served on special assignments and disaster response activities in Bangladesh, St. Croix, Russia, and Kosovo, as well as the CDC/NIOSH team at Ground Zero (World Trade Center) and the CDC team investigating the anthrax attacks in Washington, DC.

In 2004, he transitioned from the CDC to the Food and Drug Administration (FDA) as the Chief Medical Officer of the Office of Counterterrorism and was appointed FDA Assistant Commissioner in 2005. While at the FDA, he was deployed after Hurricane Katrina to serve as the Department of Health and Human Services

representative in San Antonio and also served as the FDA Deputy Incident Commander for the 2009 pandemic response.

Dr. Lushniak maintains board certifications in dermatology and preventive medicine (occupational). He served as a staff physician in dermatology at the National Naval Medical Center in Bethesda and is adjunct professor of dermatology at the Uniformed Service University of the Health Sciences (USU) since 2008. RADM Lushniak is a member of many professional organizations including the American Medical Association (AMA), the American Academy of Dermatology, the American College of Preventive Medicine, the American Dermatological Association, the American Contact Dermatitis Society, the Association of Military Surgeons of the United States (AMSUS), and the Ukrainian Medical Association of North America. He has received numerous USPHS awards including the Exemplary Service Medal, two Outstanding Service Medals, a Commendation Medal, and two Achievement Awards. In addition, he has received the AMA Dr. William Beaumont Award in Medicine and the AMSUS Sustaining Member Lecture Award as well as DHHS Secretary and FDA Commissioner awards.

Dr. Lushniak served as ex officio member of the USU Board of Regents while Acting Surgeon General of the United States from July 2013 until December 2014, personally attending every session of the USU Board of Regents. In addition, during the previous Surgeon's General tenure, Dr. Lushniak frequently served as the voting Regent, representing the Surgeon General of the United States. While serving as a voting USU Regent, he actively engaged the issues before the Board, to include bringing on new deans in all three university schools (School of Medicine, Graduate School of Nursing, and Postgraduate Dental College), new vice presidents in research and finance/administration, maintenance of operations during a furlough, consideration of the Military Education Training Campus (METC) affiliation, numerous annual University Presidential assessments, potential sequestration contingencies, and establishment of the Enlisted to Medical Degree Preparatory Program (EMDP2).

Dr. Lushniak has been and remains one of the most eager and engaged senior healthcare leaders to participate in the scholarly activities, as well as serve as an advisor to the University leadership over the past decade. It is with great enthusiasm that Admiral Lushniak be recognized for his unyielding service to the Uniformed Services University with this Distinguished Service Award.

CITATION  
DISTINGUISHED SERVICE AWARD  
TO  
REAR ADMIRAL BORIS D. LUSHNIAK  
UNITED STATES PUBLIC HEALTH SERVICE

Rear Admiral (Dr.) Boris Lushniak is recognized for exceptionally distinguished service while greatly contributing to the significant achievements of the Uniformed Services University of the Health Sciences Board of Regents and continued success of the University while serving as an ex officio Regent representing the United States Public Health Service. As a highly engaged Board of Regents member and visionary leader, he has provided outstanding recommendations to the University President and Secretary of Defense. His leadership and vision in fostering quality education and research for the next generation of Army, Navy, Air Force, and Public Health Service healthcare leaders and providers have been absolutely invaluable. His consistent enthusiastic support, commitment, and dedication to the University have set the example for all to emulate. For his numerous contributions and unyielding commitment to USU, an appreciative University and its Board of Regents are pleased to award the University's Distinguished Service Award to Dr. Boris Lushniak.

# **TAB 26**

*President's Report*

# **USU President's Report**

Charles L. Rice, MD

1. EMDP2 – 1<sup>st</sup> year cohort achievements
2. EMDP2 – 2<sup>nd</sup> year cohort profile
3. Consideration of early admission for EMDP2 students (Attachment 1)
4. Global Health Certificate Program (Attachment 2)
5. Building F update
6. USU – Walter Reed Unity of Effort
  - Research
  - Chairs/chiefs
  - Statutory provision?
7. Transition of Graduate Students
8. Establishment of Defense Health Horizons
9. Visits to PACOM SG; MARFORPAC SG; USARPAC SG
10. Upcoming visits: Thailand, Turkey (CLR)  
Asia Pacific Military Health Exchange (Dr. Schoomaker)
11. Bushmaster dates; Warrior Care in the 21<sup>st</sup> Century Engagement (at USU)



**UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
F. EDWARD HÉBERT SCHOOL OF MEDICINE**

4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4799  
<http://www.usuhs.mil>



OFFICE OF THE DEAN

July 2, 2015

MEMORANDUM FOR BOARD OF REGENTS

SUBJECT: EMDP2 “Early Admission” Option

Thanks to your support and encouragement along with the diligent efforts of Althea Green Dixon and the rest of the admissions staff, ten exemplary enlisted Service members have completed their first year of EMDP2 and are on the threshold of applying to medical school. After two semesters of concentrated science and math classes at George Mason University, every one of them has a post-baccalaureate GPA of 3.5 or better. Several have perfect 4.0s.

Hopefully most, if not all will secure spots here. But regardless of how many matriculate with us, their entry into medical school will represent an important milestone towards the vision for EMDP2 that Dr. Rice and you embraced long ago.

Given our sponsorship of the EMDP2 program and the mentorship we provide these students, it is likely that most, if not all, will apply to us. Hopefully, every EMDP2 student we want to admit will choose to matriculate with us.

To increase the likelihood of this happening, I intend to ask our admissions committee to establish a special pathway for the most promising EMDP2 students. If adopted, it will transform the EMDP2 pipeline program into an “Early Admission Program” (EAP) of the sort that is increasingly common among our benchmark institutional peers.

Typically, an EAP requires selected applicants to meet or exceed a particular ACT/SAT score, maintain an acceptable GPA, demonstrate the ability to master scientific information and manifest a strong commitment to medicine; it *does not* require the MCAT.

Most of these programs restrict this option to applicants from the parent University (e.g., Georgetown, Drexel, Loyola, and Penn State University). Some consider a broader set of students (e.g., the University of Rochester, Temple, and the U of Cincinnati). A few consider any applicant demonstrating potential. A notable example of the last group is Mt. Sinai Icahn School of Medicine’s “Hu-Med” program. A web link to an article about Sinai’s program is attached to the end of this letter.

Earlier this year, the Surgeons General invited Dr. David Muller, Dean of Medical Education at Mt. Sinai’s Icahn School of Medicine and founder of the Hu-Med program to come to DHHQ to brief them. Dr. Saguil and I sat in on the meeting. It was apparent to Dr. Saguil and me that Dr. Muller’s presentation struck a chord with the SGs.

The EMDP2 program is an ideal source of an EAP group. As you know, Hébert School of Medicine students must not only be highly intelligent; they must be fit, motivated, resilient and mission-oriented. Our EMDP2 program selects for these qualities, and more. The ten students admitted to date have displayed a strong commitment to national service, dedication to medicine, and prior military experience. The fact that all are drawn from the enlisted ranks brings added benefits to our school with respect to diversity of perspectives, life experiences and “distance traveled” (measured by characteristics such as family socioeconomic status, community-college attendance and/or first generation to graduate from college). All of these

characteristics are valued by the LCME and are highly relevant to the military populations we serve. Finally, our EMDP2 experience is explicitly designed to give students the science preparation they need to succeed in medical school. The GPAs these students earn at George Mason University and our mentorship of them should allow us to predict their ability to handle USU's curriculum.

Here's how we propose to proceed:

- At the end of the second semester of the first year, EMDP2 students would be offered the option to apply to USU on an "early admission track." A full application, including transcripts and letters of recommendation, would be required. However, those who apply at this point would not be required to take the MCAT.
- The admissions committee (or a special subset of the committee) would review these applications and decide who they want to interview. Those selected would be interviewed in a special spring session reserved for this group only.
- Following interviews, the committee would decide whether or not to offer each applicant early admission to USU.
- Those deemed appropriate for admission would be offered admission to USU, contingent on continued strong academic performance during their second EMDP2 year. To hold this spot, the applicant would be asked to formally commit to attending USU.
- EMDP2 students who forego the option of applying as an early admission candidate because they want to consider other schools as well would be encouraged to apply with all of our other applicants in the fall. In this case, an MCAT score will be required. Likewise, any EMDP2 student(s) who applies for early admission to USU but is judged to not be ready for acceptance will be encouraged to reapply in the fall with an MCAT score.

We have determined that changing admissions policy will require more than a committee vote and the Dean's approval. It will require BOR endorsement and quite likely changes to DoD instructions and other federal guidance. To create an EAP option for the spring of 2016, we need to immediately seek the required policy changes to allow us to consider selected EMDP2 students without an MCAT score.

With this goal in mind, I seek your input on the merits of this idea and the wisdom of immediately pursuing changes to USU's policy guidance while the proposed EAP is formally considered by the Hébert School of Medicine's Admissions Committee. In my opinion, creating this pathway for our EMDP2 students will strengthen the program and help us matriculate these superlative students to "America's Medical School."

  
Arthur L. Kellermann, M.D., M.P.H.  
Professor and Dean

Attachment as stated

## **Kaiser Health News: A Top Medical School Revamps Requirements — To Lure English Majors**

Kaiser Health News staff writer Julie Rovner reports: "You can't tell by looking which med students at Mount Sinai were traditional pre-meds in college and which weren't. And that's exactly the point. Most of the class majored in biology or chemistry or some other "hard" science; crammed for the MCAT (the Medical College Admission Test) and did well at both. But a growing percentage came through Icahn School of Medicine at Mount Sinai's "Hu-Med" program, which stands for Humanities in Medicine. They majored in things like English, history or medieval studies. And they didn't even take the MCAT because Mount Sinai guaranteed them admission after their sophomore year of college." (Rovner, 5/27)

[http://khn.org/news/a-top-medical-school-revamps-requirements-to-lure-english-majors/?utm\\_campaign=KHN%3A+First+Edition&utm\\_source=hs\\_email&utm\\_medium=email&utm\\_content=17948749&\\_hsenc=p2ANqtz-9sgvi-ACJbvck46NW4rktxevk7iCLljOqbFtPfRfx0i9PiVCD0\\_6HYTFXQQWPX9\\_QCN3B\\_ub\\_QZh xJp2wXaiiU2rDfQ&\\_hsmi=17948749](http://khn.org/news/a-top-medical-school-revamps-requirements-to-lure-english-majors/?utm_campaign=KHN%3A+First+Edition&utm_source=hs_email&utm_medium=email&utm_content=17948749&_hsenc=p2ANqtz-9sgvi-ACJbvck46NW4rktxevk7iCLljOqbFtPfRfx0i9PiVCD0_6HYTFXQQWPX9_QCN3B_ub_QZh xJp2wXaiiU2rDfQ&_hsmi=17948749)

# UNIFORMED SERVICES UNIVERSITY

## CERTIFICATE PROGRAM IN GLOBAL HEALTH

**Arthur Kellermann, MD, MPH**

Professor and Dean

F Edward Hebert School of Medicine – “America’s Medical School”

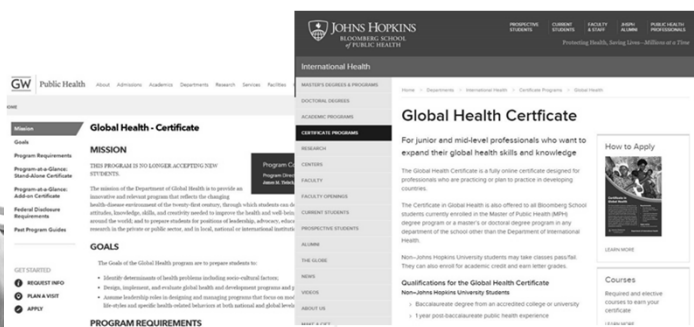
Uniformed Services University of the Health Sciences

Bethesda, MD, USA

## Certificate Program in Global Health

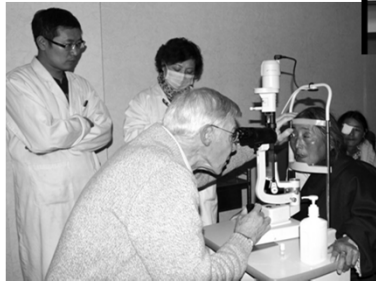
### USUHS Advantages:

1. Better understand the needs of military students
2. Better understand Commanders’ objectives, needs, and intent
3. Military Unique curriculum
4. Incredible adjunct faculty network



# Certificate Program in Global Health

What USUHS can offer:



# Certificate Program in Global Health

What USUHS can offer:

Uniformed Services University of the Health Sciences

## Global Health 1

Brad Boetig, MD MPH

Syllabus Modules Paper Guidance Study Guide Grading Why Credits DGS

**Course Description:**

This course is the introductory global health course offered at the Uniformed Services University. It is intended to serve as a survey course and will provide a broad-based introduction to the field of global health from a development perspective, as well as provide a more detailed examination of some of the most pertinent issues in the field. This course will cover topics ranging from global burden of disease to measures of effectiveness, along with maternal and reproductive health, child health, nutrition, cultural considerations in global health, and even an introduction to the role of the DoD in global health, among others.

Various adult-learning techniques will be used including recorded presentations, selected readings, class discussions, expert panels, a paper, and Sakai discussion boards. This class utilizes the "flipped classroom" method of teaching which involves recorded lecture and other material that students study at home, thus freeing class time for seminar discussions. The live seminar sessions are considered a critical piece of this course, and participation in these class discussions is expected. Grading will be by letter grade; see the grading criteria page for more information.

**Course Objectives:**

See specific objectives listed in syllabus chart below. In addition, a student who takes this course and "Global Health 2" (PHO 539) will receive instruction covering all of the global health competencies as established by the Association of Schools of Public Health (ASPH).

# COA Analysis

## COA #1 – Continue with status quo

## COA #2 –

1. Pilot test “Global Health 1” course
2. Offer “Global Health 2” course
3. Offer “Joint Medical Operations” (Dr. Waller)
  1. Medical Anthropology (Col Burkett)
  2. International Disaster Response
  3. Global Health Ethics
  4. Infectious Diseases of Public Health Importance

## COA #3 – Outsource global health education

Uniformed Services University of the Health Sciences

**Global Health II - PMO 539**

Brad Boritt, MD MPH - Winter 2014-2015

---

**Course Description:**

PHO 539, more affectionately known as “Global Health 2,” is the second in a series of global health courses offered at the Uniformed Services University (Global Health Course, Department of Preventive Medicine and Biometrics). It is intended to offer a “deeper dive” into some of the more contemporary topics in global health such as non-communicable diseases, pharmaceutical concepts, sexual and gender-based violence, and even ethical concepts in global health engagement.

Various adult-learning techniques will be used including recorded presentations, class discussions, expert panels, and Socratic discussion groups. The live seminar sessions are considered a critical piece of this course, and participation in these class discussions is expected. Grading will be by letter grade; see grading criteria for more information.

**Course Objectives:**

See specific objectives listed in syllabus chart below. In addition, a student who takes this course after having completed “Global Health 1” (PHO 528) will receive expedited covering all of the Global Health competencies as established by the Association of Schools of Public Health (ASPH).

**Text:**

Optimal: Michael Hargan, PhD; Black, Robert HC, MPH; and Mills, Anne HL, DMSA, PhD (Editors). *Global Health: Diseases, Programs, Systems, and Policies*. Third Edition. Jones & Bartlett Publishers, Inc. 2013. Be sure to see my page offering advice on how to read for Global Health.

---

**Course Syllabus:**

Module	Topic	Faculty	Objectives
1	Pharmaceutical Concepts in Global Health	Boritt	1. Understand the key concepts of pharmaceutical issues in developing countries in both disease and development contexts to include affordability, access, and quality control. 2. Explain the complexities of patent protection as it relates to pharmaceuticals and how these protections can both benefit and threaten the health of people in developing countries. 3. Explain the past, middle, and current challenges related to providing pharmaceutical support in humanitarian assistance and disaster response settings.

Questions?

# Handouts

PROPOSED FACULTY RECOMMENDATIONS

August 5, 2015  
CAPT/BOR LIST

DEPARTMENT/ NAME

PROPOSED RANK

ACTION/CURRENT  
DUTY STATION

**Primary Appointments**  
**(Billeted)**

LOCKROW, Ernest  
DO

Professor  
Non-Tenure

Appointment  
USUHS



**UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES**  
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY  
4301 JONES BRIDGE ROAD  
BETHESDA, MD 20814

July 9, 2015

MEMORANDUM FOR DIRECTOR, CIVILIAN HUMAN RESOURCES DIRECTORATE  
THROUGH ARTHUR L. KELLERMANN, M.D., MPH, SCHOOL OF MEDICINE

SUBJECT: Selection Full Professor, without tenure, Department of OB/GYN

In accordance with SOM-DPM-002-07, a CAPT-equivalent search committee was appointed to make a recommendation to the Chair of OB/GYN regarding the selection of a faculty member with nationally recognized expertise in medical education who would be appointed in the SOM at the academic rank of Professor, without tenure. This position (AD-00602-00) was advertised and a qualified candidate selected.

As Chair, Department of OB/GYN, I have endorsed this selection and the appropriate paperwork has been submitted to CHR for processing.

The selection committee selected Ernest G. Lockrow, DO as the candidate. He is currently holds the rank of full professor at USUHS. His CV has been submitted previously to CHR and again on 7/8/15 to assist in this process.

In line with this process, I have been instructed that there is the need for Dr. Lockrow's status and academic appointment to be reviewed as a prerequisite for his hiring. Given that this involves a review at the BOR level, I am requesting that his packet be included with the August BOR meeting.

If this is not accomplished and the hiring process is delayed because of it, I feel it is highly likely that he may accept offers from other institutions. This would be a significant setback for the department given that it would result in the loss of our minimally invasive gynecologic surgery program as well as negatively impact the core educational mission of our students and residents.

**RECOMMENDATION:** Dr. Ernest Lockrow, Professor of Obstetrics and Gynecology, is recommended for appointment to this critically important senior physician educator position as based upon his exceptional qualifications and his proven dedication to the advancement of education in Obstetrics and Gynecology.

I ask that his qualification for full Professor, without tenure, be considered at the August BOR meeting.

V/R

A handwritten signature in black ink, appearing to read 'Shad Deering', with a large, stylized loop at the end.

Shad Deering, M.D., FACOG  
COL, MC  
Chair, Department of Obstetrics and Gynecology, USUHS

***CURRICULUM VITAE***

***ERNEST G. LOCKROW, COL, MC***

Professor, Uniformed Services University  
Program Director, Minimally Invasive Gynecologic Surgery  
Vice Chair, Department of Obstetrics and Gynecology  
Bethesda, Maryland 20814

Office Phone:  
USUHS: 301-295-2270  
WRNMMC: 301-295-1232  
Fax:(301)295-0764

***EDUCATION:***

Undergraduate:	B.S. 1978-1981	United States Military Academy West Point, New York
Medical School:	D.O.  1984-1988	University of New England College of Osteopathic Medicine Biddeford, Maine

***POST GRADUATE TRAINING:***

Internship	Family Practice 1988-1989	Womack Army Hospital Fort Bragg, North Carolina
Residency:	Obstetrics and Gynecology 1991-1994	Tripler Army Medical Center Honolulu, Hawaii
Pelvic Surgery:	Wheeless, Pelvic Surgery 1997-1999	Johns Hopkins Medical Center Baltimore Maryland
Berlex course	August 2000	Stevenson, Washington
Med excellence	December 2009	Uniformed Services University

***PREVIOUS MILITARY EMPLOYMENT:***

Executive Officer, C Company  
39<sup>th</sup> Engineer Battalion, Ft. Devens, MA Sep '83 - Sep '84

Assistant S3, HHC Company  
39<sup>th</sup> Engineer Battalion, Ft. Devens, MA Nov '82 - Sep '83

Platoon Leader, A Company  
39<sup>th</sup> Engineer Battalion, Ft. Devens, MA Nov '81 - Nov '82

***MILITARY EDUCATION:***

AMEDD Officer Advanced Course  
Constructive Credit 1996

Army Flight Surgeon Course  
Ft. Rucker, AL, July '89- Aug'89

Army Airborne Course  
Ft. Benning, GA, Aug '81- Sep '81

Engineer Officer Basic Course  
Ft. Belvoir, VA , Jun '81 - Aug '81

Army Ranger Course  
Ft. Benning, GA, Jun '79 - Aug '79

***MEDICAL LICENSURE:***

Maryland Expires 9/30/2014

***BOARD CERTIFICATION:***

Diplomate American Board of Obstetrics and Gynecology  
General Obstetrics and Gynecology  
Board Certification 1996-present

Diplomate American Board of Osteopathic Obstetrics and Gynecology  
General Obstetrics and Gynecology  
Board Certification 1996-present

### ***Membership in Professional Organizations***

Fellow, American College of Obstetricians and Gynecologists, 1996-Present  
Fellow, American College of Osteopathic Obstetricians and Gynecologists, 1996-Present  
Member, Society of Gynecologic Surgeons, 2002-Present  
Member, American Osteopathic Association, 1988-Present  
Member, Association of Professors of Gynecology and Obstetrics, 2000-Present  
Member, American Urogynecologic Society, 1999-Present  
Member, Society of U.S. Army Flight Surgeons, 1989-Present  
Member, Association of American Gynecologic Laparoscopists 2006-present

### ***CURRENT PROFESSIONAL PRACTICE RESPONSIBILITIES:***

Vice Chairman Department of Obstetrics and Gynecology  
Uniformed Services University Bethesda, MD: Aug '12 - present

Vice-Chair of major clinical department; assists and advises the chair in developing and administering a budget in excess of \$2 million; represents the chair at senior-level management forums. Provide minimally invasive gynecologic surgical care to female soldiers & dependents. Participate & present at departmental, and hospital based meetings to include morbidity and mortality, grand rounds, educational lectures, continuing medical education, and teleconferences. Supervise and teach medical students, residents, fellows as Program Director of MIGS Fellowship Program. Implement research protocols and produce evidence based data for publication and presentation.

Minimally Invasive Gynecologic Surgery Program Director  
Uniformed Services University Bethesda, MD: Jun '10 - present

Program director for a comprehensive gynecologic endoscopy program in advanced laparoscopy, hysteroscopy and robotics. Professor and Clinical Instructor at the Uniformed Services University and a fellow of both the American College of Obstetricians and Gynecologists (ACOG) and the American College of Osteopathic Obstetricians and Gynecologists (ACOOG). A pioneer in the military for minimally invasive gynecologic laparoscopic and robotic surgery. Graduate of the first Association of Professors of Gynecology and Obstetrics (APGO) Surgical Scholars course and founded the only DoD fellowship in Minimally Invasive Gynecologic Surgery

Consultant, Army Aeromedical Activity for Obstetrics and Gynecology,  
Fort Rucker, Alabama: Jun '01 - present

Advise Aeromedical Activities Headquarters staff and clinicians in hospitals and clinics throughout the AMEDD on Women's Health and Obstetrics and Gynecology specialty issues.

Immediate Past Chairman, American College of Obstetricians and Gynecologists  
Simulation Consortium, Washington, DC: May '12 - present

Attending Staff Physician, Obstetrics and Gynecology Department, Walter Reed Army Medical Center, Washington, D.C. and National Naval Medical Center, Bethesda, Maryland now the Walter Reed National Military Medical Center, Bethesda, MD  
Jun '96 - present

### ***IMMEDIATE PAST PROFESSIONAL RESPONSIBILITIES:***

Chair, Integrated Department of Obstetrics and Gynecology  
Walter Reed Army Medical Center Washington, DC, and National Naval Medical Center  
Bethesda, MD: Aug '08 - Feb'12

Coordinated all departmental clinical activities to include the supervision of over 150 active duty physicians, fellows, residents and civilian employees, a budget in excess of \$4 million and over 60,000 appointments annually. Responsible for the Department's continual improvement in the delivery of care, maintenance of military medical readiness, health professions education, and development of research. Recognized in June of 2010 with the General Claire L. Chenault Outstanding Teacher Award presented to the faculty who best demonstrates overall excellence and personality traits of innovativeness, fairness, leadership and tenacity in the face of adversity. Provided the leadership and strategic vision as Chief of the Department of OB/GYN during this historic period of transition to the Joint Military Medical System in the NCA. In response to the Base Realignment and Closure Act (BRAC), developed and executed a comprehensive plan to integrate and move the extensive broad scope of the WRAMC OBGYN department to include a residency and four training fellowships to the new campus at Bethesda. Awarded the Legion of Merit Medal in August of 2011. Spearheaded and received approval by MEDCOM for utilizing the Telesurgical Mentoring (TSM) system (VisitOR1/RP7 Lite) for the new operating rooms at WRNMMC. Continued to serve as the Program Director of the Minimally Invasive Gynecologic Surgery (MIGS) Fellowship and in 2011, graduated the first fellows in MIGS at WRAMC and at AAGL. Received the Edward A. Zimmermann Award In October 2011, from the Army Section of the American College of Obstetricians and Gynecologists for recognition of outstanding Contributions to the knowledge of Obstetrics and Gynecology at the ACOG annual Armed Forces District Meeting.

Director of Graduate Medical Education, OBGYN Department,  
Uniformed Services University Bethesda, MD;

May '03 - Aug '08

Extensively revitalized the graduate medical education curriculum in Obstetrics and Gynecology in order to meet the assessed requirements of the uniformed services' Obstetrics and Gynecology community worldwide. Directed the only DoD Advanced Laparoscopic Gynecologic Surgery Course and co-directed the Anatomy and Pelvic Surgery Course at the Uniformed Services University(USU). Lead investigator in obtaining a \$7.6 million grant from the Telemedicine and Advanced Technologies Research Center (TATRC) to establish USU as an advanced, state of the art telerobotic and minimally invasive surgical training center. Served as a senior clinical faculty for the residents in the integrated obstetrics and gynecology residency program and as teacher and preceptor for USU medical students in their MS-2 to MS-4 years. Recognized at the national level and received the Council on Resident Education in Obstetrics and Gynecology (CREOG) Award for Excellence in Resident Education.

Chief, Urogynecology and Pelvic Reconstructive Surgery Department of Obstetrics and Gynecology, Walter Reed Army Medical Center, Washington, DC: Jun '00 - July '01

Chief, Gynecology Division, Department of Obstetrics and Gynecology, Walter Reed Army Medical Center, Washington, DC: Jun '99 - May '03

Chairman, Operating Room Committee, Walter Reed Army Medical Center, Washington, DC: Jan '99 - Jun '06

Staff, Obstetrics and Gynecology Service, Keller Army Community Hospital, West Point, NY: July '94 - Jun '96

Brigade Surgeon 82<sup>nd</sup> Aviation Brigade, Womack Army Community Hospital, Fort Bragg, NC: Sep '89 - May '91

### ***ADDITIONAL PROFESSIONAL PROJECTS AND PROGRAMS:***

Volunteer, Howard University Medical Mission, Nigeria December 2003

### ***ACADEMIC APPOINTMENTS:***

Professor of Obstetrics and Gynecology  
Uniformed Services University of the Health Sciences  
F. Edward Hebert School of Medicine  
Bethesda, Maryland

Feb '14 - present

Associate Professor of Obstetrics and Gynecology  
Uniformed Services University of the Health Sciences  
F. Edward Hebert School of Medicine  
Bethesda, Maryland

Mar '06 – Feb '14

Assistant Professor of Obstetrics and Gynecology  
Uniformed Services University of the Health Sciences  
F. Edward Hebert School of Medicine  
Bethesda, Maryland

Jun '97 - Mar '06

Clinical Instructor of Obstetrics and Gynecology  
Uniformed Services University of the Health Sciences  
F. Edward Hebert School of Medicine  
Bethesda, Maryland

Jun '96 - Jun 97

***ACADEMIC COURSE DEVELOPMENT:***

Assessing Your Skills with Simulated Vaginal  
and Laparoscopic Hysterectomy  
ACOG Annual Clinical and Scientific Meeting  
San Francisco, CA

May '15

Advanced Surgical Simulation and Endoscopic  
Surgical Simulation (ASSESS) Course Overview  
Council on Resident Education in Obstetrics and  
Gynecology, The Association of Professors of  
Gynecology and Obstetrics  
San Antonio, Texas  
Program Chair

Mar '15

Teach the Teacher: It's Never Too Late  
43<sup>rd</sup> AAGL Global Congress  
Vancouver, British Columbia  
Program Chair

Nov '14

Advanced Surgical Simulation and Endoscopic  
Surgical Simulation (ASSESS) Course,  
ACOG, Simulations Consortium,  
Washington, DC  
Course Developer and Director

Jun '14

Advanced Gynecologic Laparoscopy Course  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland  
Course Director

Sep '98 - Aug '08

Advanced Gynecologic Hysteroscopy Course  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland  
Course Director

Sep '99- Aug '08

Pelvic Surgery Course  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland  
Course Director

Jun '04- Aug '08

Hands on Mid-Urethral Sling Course  
ACOG, Annual Clinical Meeting  
San Diego, CA  
Course Director

Jun '07

**PROFESSIONAL ACTIVITY:**  
**Awards and Honors**

Established by the Department of OBGYN, "Ernest G. Lockrow Innovation and Leadership Award" presented annually to the most deserving graduating chief resident in Obstetrics and Gynecology, Walter Reed National Military Medical Center, Bethesda, MD

Jun '14

Recipient, Edward A. Zimmermann Award, Army Section of the American College of Obstetricians and Gynecologists. In recognition of outstanding contributions to the Knowledge of Obstetrics and Gynecology, San Diego, CA.

Oct '11

Recipient, Legion of Merit Medal for Outstanding Achievement as an Integrated Chief Department of OBGYN at Walter Reed Army Medical Center, Washington DC

Aug '11

Recipient, LTG Claire L. Chennault Award, Outstanding Faculty Award for overall excellence and professional medical expertise, who most closely emulates the General's prominent personality traits: Innovative, Fair, Teacher, and Demonstrated Leader, Walter Reed Army Medical Center, Washington DC

Jun '10

Recipient Defense Meritorious Service Medal for outstanding service as Director of Continuing Medical Education, Uniformed Service University, Bethesda, MD

July '08

Recipient Joint Service Commendation Medal for outstanding achievement in research and education, Uniformed Services University, Bethesda, MD

Jun '08

Army A Designator

Jun '07

Graduate, Association of Professors of Gynecology and Obstetrics Surgical Scholars Program

Mar '07

Recipient, Council on Resident Education in Obstetrics and Gynecology National Faculty Award for Excellence in Teaching

Jun '05

Recipient Order of Military Medical Merit, United States Army Medical Department  
Mar '01

Recipient, Army Commendation Medal for Outstanding Achievement as a Staff Physician  
and Resident Educator at Walter Reed Army Medical Center, Jan '01

Recipient, Meritorious Service Medal for Outstanding Achievement as a Staff Physician  
and Resident Educator, Walter Reed Army Medical Center, Washington, DC Nov '00

Recipient, Army Achievement Medal for Outstanding Achievement as a Staff Physician  
and Resident Educator, Walter Reed Army Medical Center, Washington, DC July '97

Recipient, Army Commendation Medal for Meritorious service as a Staff Physician, Keller  
Army Community Hospital, West Point, NY July '96

Recipient United States Army Four Year Health Professions Program July '84

### ***PROFESSIONAL POSITIONS:***

Chair, Assessing Your Skills with Simulated Vaginal and Laparoscopic Hysterectomy  
ACOG Annual Clinical and Scientific Meeting San Francisco, CA , May 2015

Chair, Advanced Surgical Simulation and Endoscopic Surgical Simulation (ASSESS)  
Course Overview. Council on Resident Education in Obstetrics and Gynecology, The  
Association of Professors of Gynecology and Obstetrics San Antonio, Texas, March 2015

Chair, Teach the Teacher: It's Never Too Late 43rd AAGL Global Congress  
Vancouver, British Columbia, November 2014

Member:Nominating Committee of the Society of Gynecologic Surgeons,  
March 2013 –present

Chair: American College of Obstetricians and Gynecologists Simulation Consortium  
May 2012 – 2014

Course Director: CREOG Education Retreat, "Establishing a Simulations Curriculum for  
Residency Education" Breakout Session II, ACOG Surgical Consortium, San Francisco,  
CA July 2012

Course Director: CREOG & APGO Annual Meeting, "Ectopic Simulations in Your  
Residency Program" Breakout Session 1, ACOG Simulations Symposium, Orlando, FL  
March 2012

Member at Large Society of Gynecologic Surgeons  
March 2010-2011

Director: Gynecologic Surgical Pelvic Anatomy and Dissection Course, Uniformed Services University of the Health Sciences, Bethesda, Maryland; 20-21 July 2006, 9-10 August 2007, 14-15 August 2008

Director: Advanced Gynecologic Laparoscopy and Hysteroscopy Course, Uniformed Services University of the Health Sciences, Bethesda, MD; 28 – 30 April 2008,

Course Director: ACOG Annual Clinical Meeting, “Hands-on Mid Urethral Sling and Cystoscopy” San Diego, CA, May 2007

***MAJOR COMMITTEE MEMBERSHIPS:***

***National Professional Committee Memberships:***

Member, Scientific Program Committee, American College of Obstetricians and Gynecologists, Armed Forces District Meeting, October 2013

Member, American College of Obstetricians and Gynecologists Simulation Consortium  
2007- present

***Uniformed Services University of the Health Sciences:***

Member: Search Committee for the Chair of the Department of Physical Therapy and Rehabilitative Medicine, Walter National Military Medical Center, Bethesda, MD  
April 2013

Member: Search Committee for the Chair of the Department of Ophthalmology Walter National Military Medical Center, Bethesda, MD  
April 2012

Chair, Search Committee for Fellowship Director Female Pelvic Medicine and Reconstructive Surgery, Department of Obstetrics and Gynecology. January 2011

Chair, Search Committee for Fellowship Director Female Pelvic Medicine and Reconstructive Surgery, Department of Obstetrics and Gynecology. August 2009

Chair, Search Committee for Residency Program Director, Department of Obstetrics and Gynecology  
May 2009

Member, Search Committee for Fellowship Director Female Pelvic Medicine and Reconstructive Surgery, Department of Obstetrics and Gynecology. July 2004

***MEDICAL STUDENT INSTRUCTION, UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES:***

Faculty preceptor, MS-II OSCE (Observed Structured Clinical Examination) in Obstetrics and Gynecology, Uniformed Services University Simulation Center,  
2003-present

Lecturer, Core Lecture Series "Pelvic Anatomy" Clinical Clerkship in Obstetrics and Gynecology (MS-III) 2003-2008

Lecturer, Core Lecture Series "Menstrual Cycle and Abnormal Uterine Bleeding" Clinical Clerkship in Obstetrics and Gynecology (MS-II) 2003-2008

Discussion Group Leader, Obstetrics and Gynecology Case Studies, Introduction to Clinical Reasoning (MS-II) 2003-present

Discussion Group Leader, Problem Based Learning, general Obstetrics (MS-III) 2003-present

### ***Invited Presentations***

1. ACOG Annual Clinical and Scientific Meeting , Assessing Your Skills with Simulated Vaginal and Laparoscopic Hysterectomy, San Francisco, CA , May 2015
2. ACOG Annual Clinical and Scientific Meeting , "Laparoscopic Hysterectomy", San Francisco, CA , May 2015
3. CREOG & APGO Annual Meeting, Advanced Surgical Simulation and Endoscopic Surgical Simulation (ASSESS) Course Overview San Antonio, Texas, March 2015
4. 43rd AAGL Global Congress on Minimally Invasive Gynecology, "Establishing a Simulation Curriculum" Vancouver, British Columbia, November 2014
5. Twentieth Annual Gynecologic Seminar, Gate Institute Holy Cross Hospital, Future trends in Gynecologic Surgery Conference "Hands On Suture Course" Cambridge, MD, April 2013
6. CREOG & APGO Annual Meeting, "The Latest in Gynecologic Simulations for Your Residency Program" Breakout Session IV, ACOG Simulations Symposium, Phoenix, Arizona , March 2013
7. INOVA Health System, The Future of Surgery Inaugural Conference. "Education and Simulation" Tyson Corner, VA January 2013
8. INOVA Health System, The Future of Surgery Inaugural Conference. "Laparoscopic Procedures in Gynecologic Surgery" Tyson Corner, VA January 2013
9. CREOG Education Retreat, "Establishing a Simulations Curriculum for Residency Education" Breakout Session II, ACOG Surgical Consortium, San Francisco, CA July 2012
10. CREOG & APGO Annual Meeting, "Ectopic Simulations in Your Residency Program" Breakout Session 1, ACOG Simulations Symposium, Orlando, FL March 2012
11. 39<sup>th</sup> AAGL Global Congress on Minimally Invasive Gynecology, "Endometriosis" Video Session 6, moderator and panel discussant, Las Vegas, Nevada, November 2010

12. Seventeenth Annual Gynecologic Seminar, Gate Institute Holy Cross Hospital, "Prolapse and Mesh 101" Cambridge, MD, April 2010
13. Kane, King, Dodek Honor Society Meeting, George Washington University Medical School, "Training Tomorrow's Gynecologic Surgeon", Washington, DC May 2009
14. Sixteenth Annual Gynecologic Seminar, Gate Institute Holy Cross Hospital, "Robotic Sacrocolpopexy and Pelvic Floor Support Procedures" Cambridge, MD, April 2009
15. ACOOG Annual Clinical Meeting, "Advances in Mid-Urethral Slings" Las Vegas, Nevada, October 2008
16. ACOOG Annual Clinical Meeting, "Robotic Surgery for Gynecology" Las Vegas, Nevada, October 2008
17. ACOG Annual Clinical Meeting, "Total Laparoscopic Hysterectomy(TLH)" Live Telesurgery discussant, New Orleans, Louisiana, May 2008
18. ACOG Annual Clinical Meeting, "Hands-on Mid Urethral Sling and Cystoscopy" New Orleans, Louisiana, May 2008
19. 29<sup>th</sup> Annual Meeting of the Louisiana Section of ACOG, "Mid Urethral Sling Tension Free Vaginal Tape" New Orleans, Louisiana, March 2008
20. Visiting Professor Resident Research Day "Training Tomorrow's Gynecologic Surgeon" Tripler Army Medical Center, Department of Obstetrics and Gynecology, Honolulu, Hawaii, May 2007
21. ACOG Annual Clinical Meeting, "Hands-on Mid Urethral Sling and Cystoscopy" San Diego, CA, May 2007
22. Fourteenth Annual GYN Endoscopic Seminar, Gate Institute Holy Cross Hospital, "Laparoscopic Myomectomy." Silver Spring, Maryland , March 2007
23. Grand Rounds, " Robotic Surgery for Gynecology" West Virginia University, School of Medicine, Department of Obstetrics and Gynecology, Morgantown, WV, Nov 2006
24. ACOG Annual Clinical Meeting, "Da Vinci Laparoscopic Hysterectomy" Live Telesurgery moderator and panel discussant, Washington, D.C. May 2006
25. ACOG Annual Clinical Meeting, "Obstetrical Anal Sphincter Lacerations: Anatomy, Prevention, Sequelae and Repair- A course with hands-on repair models" Washington, D.C. May 2006
26. ACOG Annual Clinical Meeting, "Hands-on Mid Urethral Sling and Cystoscopy" Washington, D.C. May 2006
27. Visiting Professor, "Simulation Laboratories for Resident Education and Robotic surgery for Gynecology" Tripler Army Medical Center, Department of Obstetrics and Gynecology, Honolulu, Hawaii, Aug 2005
28. Association of Professors of Gynecology, "Simulation Laboratories for Resident Education in Obstetrics and Gynecology" Quebec, Canada, June 2005
29. Advanced Laparoscopy for Gynecologists, "Surgical Perspective LAVH." Gate Institute Holy Cross Hospital, Silver Spring, Maryland, June 2001
30. Ninth Annual GYN Endoscopic Seminar, Gate Institute Holy Cross Hospital, "Total Laparoscopic Hysterectomy." Silver Spring, Maryland , April 2001

### ***Departmental Presentations***

Faculty Development, Walter Reed National Military Medical Center, Department of Obstetrics and Gynecology. "Establishing a Laparoscopic Simulations Curriculum for Residency Education" Bethesda MD, Aug '12

Grand Rounds, National Naval Medical Center, Department of Obstetrics and Gynecology. "Basics of Laparoscopy" Bethesda MD, July '06

Grand Rounds, National Naval Medical Center, Department of Obstetrics and Gynecology. "Non-surgical Treatment of Prolapse" Bethesda MD, July '04

Grand Rounds, National Naval Medical Center, Department of Obstetrics and Gynecology. "Urodynamic Testing" Bethesda MD, Feb '01

Lecture, Malcolm Grow Medical Center, Department of Family Practice "Urinary Incontinence" Washington DC, Nov '99

Lecture, Walter Reed Army Medical Center, Department of Medicine "Urinary Incontinence" Washington DC, Oct '99

Grand Rounds, National Naval Medical Center, Department of Obstetrics and Gynecology. "The Pelvic Mass" Bethesda MD, July '99

Grand Rounds, National Naval Medical Center, Department of Obstetrics and Gynecology. "Complications of Laparoscopy" Bethesda MD, Sep '97

### ***PUBLICATIONS:***

#### ***Journal Articles, Peer Reviewed***

1. Whitehurst SV, **Lockrow** EG, Lendvay TS, Propst AM, Dunlow SG, Rosemeyer CJ, Gobern JM, White LW, Skinner A, Buller JL, Comparison of Two Simulation Systems to Support Robotic-Assisted Surgical Training: A Pilot Study (Swine Model). Journal of Minimally Invasive Gynecology Vol 22, issue 3, pp 483-488 March/April 2015
2. Gruber D, Massengill J, Lamb S, Barbier H, Rosemyer C, **Lockrow** E, Buller J, Magnification effect on distance estimation during robotic suturing, Journal of Robotic Surgery Vol 8, number 1, pp 1-2 March 2014
3. Deering S, Auguste T, **Lockrow** E, Obstetric simulation for medical student, resident, and fellow education, Seminars in Perinatology Vol 37, number 3, pp 143-145, June 2013

4. Gala R, Orejuela F, Gerten K, **Lockrow E**, Kilpatrick C, Chohan L, Green C, Vaught J, Goldberg A, Schaffer J, Effect of Validated Skills Simulation on Operating Room Performance in Obstetrics and Gynecology Residents . Journal of Obstetrics and Gynecology.Vol 121, Number 3, pp 578-584, March 2013
5. Gobern JM, Novak CM, **Lockrow EG**, Survey of Robotic Surgery Training in Obstetrics and Gynecology Residency. Journal of Minimally Invasive Gynecology. Vol.18, Issue 6, pp 755-760, November 2011
6. Burchard ER, **Lockrow EG**, Zahn CM, Dunlow SG, Satin AJ. Simulation Training Improves Resident Performance in Operative Hysteroscopic Resection Techniques. American Journal of Obstetrics and Gynecology Vol 197, Number 5, pp 542-543, November 2007
7. Sears CL, Schenkman N, **Lockrow EG**, The use of an End to End Anastomosis sizer with occlusion balloon to prevent loss of pneumoperitoneum in robotic assisted vesicovaginal fistula repair. Urology 70 (3), 581-2 September 2007
8. Zahn CM, Siddique S, Hernandez S, **Lockrow EG**. Anatomic Comparison of Two Transobturator Tape Procedures. Journal of Obstetrics and Gynecology. Vol 109, Number 3, pp701-706, March 2007
9. Yaeger BJ, Dunlow SG , **Lockrow EG**, Laparoscopic Appendectomy: A Series of Cases Utilizing the Harmonic Scalpel Compared to Endo-GIA and Endoshears, Journal of Reproductive Medicine. Vol 50, Number 4, pp 231-234, April 2005
10. Stany MP, Winter WE, Louis Dainty, **Lockrow EG**, Carlson JW. Laparoscopic exposure in Obese High-risk Patients with Mechanical Displacement of the Abdominal Wall. Journal of Obstetrics & Gynecology, Vol 103, Number 2, pp383-386, February 2004
11. Gherman RB, **Lockrow EG**, Flemming DJ, Satin AJ, Conservative Management of Spontaneous Uterine Perforation Associated with Placenta Accreta: a Case Report. Journal of Reproductive Medicine. Vol 49, Number 3, pp 210-213 , March 2004
12. Wittich AC, **Lockrow EG**, Buller JL, Education of Primary Care Providers as a Mechanism for Enhancement of referrals to Urogynecologists and Reconstructive Pelvic Surgeons. Journal of Pelvic Surgery, Vol. 7 Number 5, pp 275-277, September/October 2001
13. Wittich AC, **Lockrow EG**, Appendectomy During Pregnancy: A Survey of Two Army MEDDAC's, Military Medicine, Vol 164, Number 10, pp 671-674, October 1999
14. Polzin WJ, **Lockrow EG**, Pilot Study Identifying Type V Collagenolytic Activity in Human Amniotic Fluid. American Journal Of Perinatology, Vol. 14 Number 2, pp 103-106, February 1997

15. Wittich AC, **Lockrow** EG, Laparoscopic Management of Adnexal Torsion in Early Pregnancy: A Case Report, Military Medicine, Vol. 159 Number 3, pp 254-255, March 1994
16. Moloff AL, **Lockrow** EG, Operational Medical Support of an Aviation Brigade Deployed During Operation Desert Shield, Military Medicine, Vol. 156 Number 8, pp 416-417, August 1991

### ***Book Chapters***

1. **Lockrow** E, Lemke H, et al, Operational Efficiency and Workflow OR 2020, The Operating Room of the Future, Georgetown University Press\*, Washington, D.C. 2004  
\*supported by the National Science Foundation, TATRC, NIH
2. Hill JB, **Lockrow** EG, Pelvic Inflammatory Disease, Emedicine 2000.
3. Elkins TE, **Lockrow** EG, The Pelvic Mass, Gynecology for the Primary Care Physician, Ch 35, Current Medicine 1999 pp 287-292.

### ***Published Abstracts***

1. Chen CCG, Jones-Cox C, Paka C, Chou B, Fashokun T, Zahn C, Murray C, Dattilo J, Chen G, Singh S, **Lockrow** E, Simulator Training on General and Gynecologic Specific Laparoscopic Skills: A Systematic Review, Journal of Obstetrics and Gynecology accepted for republication.
2. Jones-Cox C, Paka C, Chou B, Fashokun T, **Lockrow** E, Zahn C, Murray C, Dattilo J, Chen G, Singh S, Chen CCG, Impact of Simulator Training on General Laparoscopic and Gynecologic Skills: A systematic Review, Journal of Minimally Invasive Gynecology, Vol 21 Issue 6 Supplement, pp S85-S86, November-December, 2014
3. Whitehurst S, **Lockrow** E, Fascia lata Harvest and Hybrid Sling for Robotic Abdominal Sacrocolpopexy, Journal of Minimally Invasive Gynecology, Vol 21 Issue 2 Supplement, p S48, March- April 2014
4. Whitehurst SV, **Lockrow** EG, Lendvay TS, Propst AM, Dunlow SG, Rosemeyer CJ, Gobern JM, White LW, Skinner A, Buller JL, Validation of a Simulation Tool to Support Robotic-Assisted Surgical Training, Journal of Minimally Invasive Gynecology, Vol 20 Issue 6 Supplement, pp S33-S34, November-December 2013
5. Brown D, Whitehurst S, Sheridan R, **Lockrow** E, Gobern J, The Impact of Unidirectional Barbed Suture on Vaginal Cuff Closure during Robotic-Assisted, and Total Laparoscopic Hysterectomy: A New Standard of Care? Journal of Minimally

Invasive Gynecology, Vol 20 Issue 6 Supplement, pp S115-S116, November-December 2013

6. Gruber DD, Massengill JC, Lamb SV, Barbier HM, Rosemeyer CJ, **Lockrow EG**, Buller JL, Magnification Effects on Distance Estimation During Robotic Suturing, Journal of Minimally Invasive Gynecology, Vol 20 Issue 6 Supplement, pp S34-S35, November- December 2013
7. Rosemeyer CJ, Asato A, Owens A, **Lockrow E**, Davinci Assisted Laparoscopic Trachelectomy and Broad Ligament Myomectomy, Journal of Minimally Invasive Gynecology, Vol 19 Issue 6 Supplement, p S178, November-December 2012
8. Asato AJ, **Lockrow EG**, Barter JF, Steren AJ, Laparoscopic Seprafilm Use: Demonstration of a Novel Technique, Journal of Minimally Invasive Gynecology, Vol 18 Issue 6 Supplement, p S114, November-December 2011
9. Asato AJ, Buller JL, Skinner A, **Lockrow EG**. Pilot Study: The Feasibility of Evaluating Robot vs. Hand Manipulated Trocar Dynamics in a Porcine Model, Journal of Minimally Invasive Gynecology, Vol 18 Issue 6 Supplement, p S116, November-December 2011
10. Novak C, Gobern J, **Lockrow E**, Survey of Robotic Surgery Training In Obstetrics and Gynecology Residency, Journal of Minimally Invasive Gynecology, Vol 18 Issue 6 Supplement, pp S755-S760, November-December 2011
11. Gobern J, Oliver K, Gala R, Orejuela F, Gerten K, Kilpatrick C, Noel K, **Lockrow E**, Correlation of Fine Motor Skills Testing with Laparoscopic Surgical Skills in Obstetrics and Gynecology Residents, Journal of Minimally Invasive Gynecology, Vol 17 Issue 6 Supplement, pp S70-S71, November- December 2010

### ***Abstracts, Posters and Other Conference Proceedings***

1. Chen CCG, Jones-Cox C, Paka C, Chou B, Fashokun T, Zahn C, Murray C, Dattilo J, Chen G, Singh S, **Lockrow E**, Simulator Training on General and Gynecologic Specific Laparoscopic Skills: A Systematic Review, CREOG & APGO Annual Meeting, San Antonio, Texas, March 2015
2. Jones-Cox C, Paka C, Chou B, Fashokun T, **Lockrow E**, Zahn C, Murray C, Dattilo J, Chen G, Singh S, Chen CCG, Impact of Simulator Training on General Laparoscopic and Gynecologic Skills: A systematic Review, 43<sup>rd</sup> AAGL Global Congress of Minimally Invasive Gynecology, Vancouver, British Columbia, November 2014(Oral)
3. Whitehurst S, **Lockrow E**, Fascia lata Harvest and Hybrid Sling for Robotic Abdominal Sacrocolpopexy, Annual Scientific Meeting of the Society of Gynecologic Surgeons, Scottsdale, AZ, April 2014(Video)
4. Whitehurst S, **Lockrow E**, Lendvay T, Gobern J, Propst A, Dunlow S, Rosemeyer C, White L, Skinner A, Buller J, Validation of a Simulation Tool to Support Robotic-

- Assisted Surgical Training, 42<sup>nd</sup> AAGL Global Congress of Minimally Invasive Gynecology, Washington DC, November 2013(Oral) Prize Paper IRCAD Award
5. Brown D, Whitehurst S, Sheridan R, **Lockrow** E, Gobern J, The Impact of Unidirectional Barbed Suture on Vaginal Cuff Closure during Robotic-Assisted, and Total Laparoscopic Hysterectomy: A New Standard of Care? 42<sup>nd</sup> AAGL Global Congress of Minimally Invasive Gynecology, Washington DC, November 2013(Oral)
  6. Whitehurst S, **Lockrow** E, Lendvay T, Gobern J, Propst A, Dunlow S, Rosemeyer C, White L, Sckinner A, Buller J, Validation of a Simulation Tool to Support Robotic-Assisted Surgical Training, Armed Forces District Meeting of ACOG, Baltimore, MD, October 2013(Oral)
  7. Brown D, Whitehurst S, Sheridan R, **Lockrow** E, Gobern J, The Impact of Unidirectional Barbed Suture on Vaginal Cuff Closure during Robotic-Assisted, and Total Laparoscopic Hysterectomy: A New Standard of Care? Armed Forces District Meeting of ACOG, Baltimore, MD, October 2013(Oral)
  8. White L, White J, Skinner A, Whitehurst S, Fielding A, **Lockrow** E, Lendvay T, Buller J, Validation of a Simulation Tool to Support Robotic-Assisted Surgical Training, Engineering and Urology Society Meeting, San Diego, California, May 2013(Poster)
  9. Gruber DD, Massengill JC, Lamb SV, Barbier HM, Rosemeyer CJ, **Lockrow** EG, Buller JL, Magnification Effects on Distance Estimation During Robotic Suturing, 39<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons, Charleston, SC, April 2013 (Oral)
  10. Rosemeyer CJ, Asato A, Owens A, **Lockrow** E, Davinci Assisted Laparoscopic Trachelectomy and Broad Ligament Myomectomy, 41<sup>th</sup> AAGL Global Congress of Minimally Invasive Gynecology, Las Vegas, Nevada, November 2012 (Oral)
  11. Lydon JM, **Lockrow** EG, Intrauterine Device Perforation Through a Prior Cesarean Hysterotomy, Armed Forces District Meeting of ACOG, Las Vegas, Nevada, October 2012(Oral)
  12. Asato AJ, Buller JL, Skinner A, **Lockrow** EG. Pilot Study: The Feasibility of Evaluating Robot vs. Hand Manipulated Trocar Dynamics in a Porcine Model, 40<sup>th</sup> AAGL Global Congress of Minimally Invasive Gynecology, Hollywood, Florida, October 2011 (Poster)
  13. Asato AJ, **Lockrow** EG, Barter JF, Steren AJ, Laparoscopic Seprafilm Use: Demonstration of a Novel Technique, 40<sup>th</sup> AAGL Global Congress of Minimally Invasive Gynecology, Hollywood, Florida, October 2011 (Oral)
  14. Wollan-Francis M, Fischer J, Hudson K, **Lockrow** E, Use of Prothrombotic Agents for Conservative Management of Placental Site Bleeding During Cesarean Section, Armed Forces District Meeting of ACOG, San Diego, CA October 2011(Oral)
  15. Novak C, Gobern J, **Lockrow** E, Survey of Robotic Surgery Training In Obstetrics and Gynecology Residency, Meeting for the Association of Professors for Obstetrics and Gynecology, San Antonio, Texas, March 2011(Poster)
  16. Gobern J, Oliver K, Gala R, Orejuela F, Gerten K, Kilpatrick C, Noel K, **Lockrow** E, Correlation of Fine Motor Skills Testing with Laparoscopic Surgical Skills in Obstetrics

and Gynecology Residents, 39<sup>th</sup> AAGL Global Congress of Minimally Invasive Gynecology, Las Vegas, Nevada, November 2010 (Oral)

17. Orejuela F, Gerten K, **Lockrow** E, Noel K, Chohan L, Kilpatrick C, Vaught J, E Brocks E, Schaffer J, Gala R, An Evaluation of Validated Laparoscopic Skills Simulators and the Impact on Operating Room Performance in Obstetrics and Gynecology Residents, Society of Gynecologic Surgeons Meeting Tucson, AZ, April 2010 (Oral) Prize Paper President's Award
18. Reed C, Redding S, Buller J, **Lockrow** E, Successful Ship to Shore High Definition Video Telecommunication of Surgical Care During a US Hospital Ship Humanitarian Mission, Armed Forces District Meeting of ACOG, Honolulu, HI November 2009 (Poster)
19. Oliver K, Gala R, Orejuela F, Gerten K, Kilpatrick C, Noel K, Gobern J, **Lockrow** E, Correlation of Fine Motor Skills Testing with Laparoscopic Skills Simulators and Operating Room Performance in Obstetrics and Gynecology Residents, Armed Forces District Meeting of ACOG, Honolulu, HI November 2009 (Oral)
20. Oliver K, Noel K, Gobern J, **Lockrow** E, Correlation of Fine Motor Skills Testing with Laparoscopic Skills Simulators and Operating Room Performance in Obstetrics and Gynecology Residents, Resident Research Day, Bethesda, MD May 2009 (Oral)
21. Gala R, Orejuela F, Gerten K, **Lockrow** E, Schaffer J, An Evaluation of Validated Laparoscopic Skills Simulators and the Impact on Operating Room Performance, Society of Gynecologic Surgeons Meeting, New Orleans, Louisiana March 2009 (Oral)
22. Kase B, Stitt I, Shvartsman K, Driggers R, , **Lockrow** E, Delayed Diagnosis of Cornual Heterotopic Pregnancy with Massive Hemoperitoneum Managed with Conservative Surgery, Armed Forces District Meeting of ACOG, Norfolk, VA October 2008 (Oral)
23. Kase B, Stitt I, Shvartsman K, Driggers R, **Lockrow** E, Delayed Diagnosis of Cornual Heterotopic Pregnancy with Massive Hemoperitoneum Managed with Conservative Surgery, Resident Research Day, Bethesda, MD May 2008 (Oral)
24. Batt AE, **Lockrow** EG, Page S, Albright T, Driggers R, Zahn CM, Validating a Beef Tongue Model for Resident Training in Obstetric Laceration Repair, Resident Research Day, Bethesda, MD May 2007 (Oral)
25. Zahn CM, Siddique S, Hernandez S, **Lockrow** EG. Anatomic Comparison of Two Transobturator Tape Procedures, Armed Forces District Meeting of ACOG, Santofe Germany, October 2006 (Oral)
26. Reed EJ, **Lockrow** EG, Dunlow SG, Zahn CM, Satin AJ, Simulation Training Improves Resident Performance in Operative Hysteroscopic Resection Techniques, Meeting for the Association of Professors for Obstetrics and Gynecology, Utah City, Utah, March 2007 (Oral, 1<sup>st</sup> prize resident paper)
27. Reed EJ, **Lockrow** EG, Dunlow SG, Zahn CM, Satin AJ, Simulation Training Improves Resident Performance in Operative Hysteroscopic Resection Techniques, Armed Forces District Meeting of ACOG, Santofe Germany, October 2006 (Oral)

28. Satin AJ, **Lockrow** EG, Simulation Laboratories for Resident Education in Obstetrics and Gynecology, Meeting for the Association of Professor for Obstetrics and Gynecology, Cancun, Mexico, January 2005 (Workshop)
29. Wong MS, Dunlow SG, Buller J, **Lockrow** EG, Comparison of Postoperative Bowel, Bladder, and Sexual Dysfunction in Total Laparoscopic Hysterectomy versus Total Abdominal Hysterectomy, Resident Research Day, Bethesda, MD May 2005 (Oral)
30. Reed EJ, **Lockrow** EG, Zahn CM, Satin AJ, Simulation Training Improves Resident Performance in Operative Hysteroscopic Resection Techniques, Resident Research Day, Bethesda, MD May 2005 (Oral)
31. Wong MS, Dunlow SG, Schenkman N, **Lockrow** EG, Robotic Assisted laparoscopic repair of Vesical Vaginal Fistula with Omental J-Flap, Armed Forces District Meeting of ACOG, San Diego, CA, October 2004 (Video)
32. Booth C, Dunlow SG, **Lockrow** EG, A video presentation of robotic assisted sacrocolpopexy, Armed Forces District Meeting of ACOG, San Diego, CA, October 2004 (Video)
33. Wong MS, Dunlow SG, Buller J, **Lockrow** EG, Total Abdominal Hysterectomy compared to Total Laparoscopic hysterectomy: A five year experience at Walter Reed Army Medical Center, Armed Forces District Meeting of ACOG, San Diego, CA, October 2004 (Oral)
34. Wong MS, Dunlow SG, **Lockrow** EG, Total Laparoscopic hysterectomy five year experience in an Army Medical Center, Armed Forces District Meeting of ACOG , San Antonio TX, October 2003 (Oral)
35. Yaeger BJ, Dunlow SG, **Lockrow** EG, Laparoscopic Appendectomy: A Series of Cases Utilizing the Harmonic Scalpel Compared to Endo-GIA and Endoshears, Armed Forces District Meeting of ACOG , San Antonio TX, October 2003 (Oral)
36. Stany MP, Winter WE, Dainty L, **Lockrow** E, Carlson JW. Laparoscopic exposure in Obese High-risk Patients with Mechanical Displacement of the Abdominal Wall, Armed Forces District Meeting of ACOG, San Antonio TX, October 2003 (Oral)
37. Gherman RB, **Lockrow** EG, Flemming DJ, Satin AJ, Conservative Management of Spontaneous Uterine Perforation Associated with Placenta Accreta: a Case\_Report, Armed Forces District Meeting of ACOG, San Antonio TX, October 2003 (Oral)
38. **Lockrow** EG, Carlson JW, Sundborg M, Wheelless CR, Urethral Reconstruction and Pubovaginal Sling video presentation, Society of Gynecologic Surgeons Meeting, Dallas TX, March 2002 (Oral)
39. **Lockrow** EG, Carlson N, McBroom J, Zorn B, Pohl J, Comparison of the Effectiveness of Burch Colposuspension Versus Suburethral Sling as a Primary Procedure for the Management of Genuine Stress Urinary Incontinence, Society of Gynecologic Surgeons Meeting, Dallas TX, March 2002 (Poster)
40. Wittich AC, **Lockrow** EG, Buller JL, Education of Primary Care Providers as a Mechanism for Enhancement of Referrals to Urogynecologists and Reconstructive Pelvic Surgeons, Society of Gynecologic Surgeons Meeting, Orlando FL, March 2001(Poster)

41. **Lockrow** EG, Mayer A, Total Laparoscopic Hysterectomy video presentation, Armed Forces District Meeting of ACOG, San Antonio TX, November 1999 (Oral)
42. **Lockrow** EG, Polzin WJ, Type V Collagenolytic Activity in Human Amniotic Fluid, Armed Forces District Meeting of ACOG, Reno NV, October 1994 (Oral)
43. Desantis R, **Lockrow** EG, Sarno A, Takaysu's Arteritis in Pregnancy, Armed Forces District Meeting of ACOG, Seattle WA, November 1993 (Oral)
44. **Lockrow** EG, Polzin WJ, Operative Delivery of Asian Obstetrical Patients in a Military Medical Center, Armed Forces District Meeting of ACOG, Norfolk VA, November 1992(Oral)

### **GRANTS:**

1. Principal Investigator – Compare the safety and efficacy of Zip-Stitch™ versus sutures in closing the vaginal cuff in porcine hysterectomy (pig) Funding through Henry Jackson and ZSX, INC (CRADA) \$150,000 (total award)  
2014
2. Co-Principal Investigator - External Validation of a Simulation Tool to Support Robotic-Assisted Surgical Training funding through AMEDD Advanced Medical Technology Initiative (AAMTI) \$250,000 (total award)  
2013
3. Principal Investigator - AMEDD Advanced Medical Technology Initiative (AAMTI) Development of a Telesurgical Specialist Network \$198,000 (total award)  
2009
4. Principal Investigator – Advanced Medical Practice funding MEDCOM 3D Viking endoscopy Systems \$894,000(total award)  
2009
5. Principal Investigator – Advanced Medical Practice funding MEDCOM STORZ endoscopic HD Systems \$1.28 million (total award)  
2009
6. Principal Investigator -Telerobotics and Minimally Invasive Surgery Center Congressional funding \$1.2 million (total award)  
2008
7. Principal Investigator -Telerobotics and Minimally Invasive Surgery Center Congressional funding \$1.8 million (total award)  
2006
8. Principal Investigator -Telerobotics and Minimally Invasive Surgery Center Congressional funding \$4.6 million (total award)  
2005

### **ACTIVE RESEARCH PROTOCOLS:**

1. Multiservice robotic laparoscopic surgical training course using the daVinci® Surgical System (swine) funding through Henry Jackson Foundation and Intuitive Surgical Corporation
2. Compare the safety and efficacy of Zip-Stitch™ versus sutures in closing the vaginal cuff in porcine hysterectomy (pig) Funding through CRADA Henry Jackson Foundation and ZSX , Inc

PROPOSED FACULTY RECOMMENDATIONS

August 5, 2015

BOR LIST

DEPARTMENT/ NAME

PROPOSED RANK

ACTION/CURRENT  
DUTY STATION

**Primary Appointments**  
**(Billeted)**

Graduate School of Nursing

DEJONG, Marla J.  
Col, USAF, NC

Professor  
Non-Tenure

Appointment  
USUHS



UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES  
DANIEL K. INOUE  
GRADUATE SCHOOL OF NURSING  
4301 JONES BRIDGE ROAD  
BETHESDA, MARYLAND 20814-4712



July 9, 2015

MEMORANDUM FOR BOARD OF REGENTS

THROUGH: President, USUHS

SUBJECT: Faculty Appointment

The attached name was recommended for appointment by the Committee of Appointments, Promotion and Tenure at a meeting on July 9, 2015. I request that you approve this recommendation and forward to the President of the University for further action.

Carol A. Romano, PhD, RN, FAAN  
Dean and Professor

Attachments:  
As stated

**Curriculum Vitae**

**Marla J. De Jong**

**Colonel, USAF, NC, PhD, RN, CCNS, FAAN**

**Curriculum Vitae  
Marla J. De Jong  
Colonel, USAF, NC, PhD, RN, CCNS, FAAN**

Daniel K. Inouye Graduate School of Nursing  
Uniformed Services University of the  
Health Sciences  
4301 Jones Bridge Road  
Room E-2041  
Bethesda, Maryland 20814-4712  
301-295-1466  
marla.dejong@usuhs.edu

**EDUCATION**

<b><u>Year</u></b>	<b><u>Degree</u></b>	<b><u>Institution</u></b>
2005	Doctor of Philosophy (PhD) in Nursing Science	University of Kentucky, Lexington, KY
1996	Master of Science	University of Maryland, Baltimore Baltimore, MD
1988	Bachelor of Science in Nursing	Grand View College, Des Moines, IA

**ACADEMIC APPOINTMENTS**

<b><u>Year</u></b>	<b><u>Position</u></b>	<b><u>Institution</u></b>
2011-present	Adjunct Clinical Professor	The Ohio State University College of Nursing

## **PROFESSIONAL EXPERIENCE**

<b><u>Dates</u></b>	<b><u>Position</u></b>	<b><u>Scope of Role</u></b>
2015-present	<b>Interim Associate Dean for Research; Director, Faye G. Abdellah Center for Military and Federal Health Research;</b> Daniel K. Inouye Graduate School of Nursing, Uniformed Services University of the Health Sciences; Bethesda, MD	Leads the Daniel K. Inouye Graduate School of Nursing (GSN) research mission, provides visionary and strategic direction for the conduct of high quality research and scholarly activities, and stimulates and facilitates funding and implementation of faculty research that aligns with research priorities of the military and federal health care system. Serves as liaison between the Dean, GSN and the USUHS Vice President for Research. Participates in accreditation activities for the Doctor of Philosophy and Doctor of Nursing Practice programs. Helps GSN Program Directors manage their faculty members' research trajectories. Contributes to the GSN through personal scholarship and academic growth.
2014-present	<b>Senior Air Force Advisor;</b> Daniel K. Inouye Graduate School of Nursing, Uniformed Services University of the Health Sciences; Bethesda, MD	Advises the Dean of the GSN regarding Air Force operations, priorities, processes, and policies. Serves as Chief Nurse for 15+ Air Force GSN faculty.

<u>Dates</u>	<u>Position</u>	<u>Scope of Role</u>
2011-2014	<b>Dean;</b> US Air Force School of Aerospace Medicine; Wright-Patterson Air Force Base, OH	Directed enlisted and officer training and Graduate Medical Education. Oversaw and maintained curriculum for more than 80 courses. Executed \$9M budget to centrally fund training for numerous Air Force specialties and 4,500 graduates per year. Served as academic lead for 5 Departments, 150 faculty, and 40 Academic Affairs, Faculty Development, Distance Learning, Faculty Development, and Registrar personnel. Established student training policies, executed the faculty development and instructor evaluation programs, oversaw institutional accreditation for Graduate Medical Education programs, and administered the student evaluation program. Managed Community College of the Air Force operations for 17 courses, adhering to all requirements for affiliate schools and maintaining full accreditation. Oversaw the Franzello Aeromedical Library, which houses the largest collection of aerospace medicine reference materials in the world. Served as Chief Nurse for 35 nurses assigned to the 711 <sup>th</sup> Human Performance Wing.
2009-2011	<b>Executive Director;</b> TriService Nursing Research Program; Uniformed Services University of the Health Sciences; Bethesda, MD	Directed DoD research program to inform clinical nursing practice, education, policy, and healthcare systems. Executed \$6M annual budget. Administered \$1.1M support contracts and sponsored \$300K research training each year. Stimulated new areas of research inquiry. Ensured grantees knew and complied with federal and DoD regulations for ethical conduct of research.

<u>Dates</u>	<u>Position</u>	<u>Scope of Role</u>
2008-2009	<b>Air Force Program Coordinator;</b> Department of Defense Blast Injury Research Program Coordinating Office; U.S. Army Medical Research and Materiel Command; Fort Detrick, MD	Coordinated 300+ DoD research studies worth \$710M. Advised Senior DoD leaders and materiel developers about blast research priorities. Assessed results of blast injury research to prioritize programming and budgeting.
2006-2007	<b>Program Manager;</b> Joint Theater Trauma System (JTTS); Camp Victory, Baghdad, Iraq	Administered JTTS at 13 disparate sites in support of OIF/OEF. Populated Joint Trauma Registry with data for 9K combat casualties. Implemented 10 practice guidelines. Wrote intratheater air transport policy. Managed 5 nurses.
2005-2008	<b>Executive Director of Research;</b> Wilford Hall Medical Center; Lackland Air Force Base, TX	Assistant director of largest AF clinical research program. Oversaw \$15M research complex with 56 personnel. Managed \$4.5M budget and 600 human and animal research studies, and supervised 22 personnel. Principal investigator for funded research studies.
2002-2005	<b>Full-Time Doctoral Student;</b> University of Kentucky; Lexington, KY	Earned PhD in Nursing Science. Defended dissertation titled “Anxiety in Patients with Cardiac Disease.” Awarded research grant, published 10 papers, presented at numerous conferences, won 4 awards, taught trauma courses.
2001-2002	<b>Nurse Manager;</b> Cardiology Services; Keesler Medical Center; Keesler Air Force Base, MS	Directed nursing practice for the Cardiology Clinic, Cardiac Catheterization Laboratory, Cardiac Rehabilitation Program, and Coumadin Clinic. Supervised four nurses. Oversaw sedation policies.

<b><u>Dates</u></b>	<b><u>Position</u></b>	<b><u>Scope of Role</u></b>
1999-2001	<b>Clinical Nurse Specialist;</b> Intensive Care Unit; Keesler Medical Center; Keesler Air Force Base, MS	Directed orientation and competency verification programs. Taught formal courses to nurses and technicians. Conducted clinical rounds, coordinated multidisciplinary rounds, and developed standards of care. Member, Critical Care Air Transport Team.
1997-1999	<b>Assistant Nurse Manager;</b> Coronary Care Unit; Wilford Hall Medical Center; Lackland Air Force Base, TX	Directed and supervised nurses and technicians. Delivered patient care, responded to medical emergencies throughout the hospital, conducted research activities, evaluated products, precepted new nurses, and directed staff development program.
1996-1997	<b>Clinical Nurse;</b> Wilford Hall Medical Center; Lackland Air Force Base, TX	Delivered patient care, responded to medical emergencies throughout the hospital, conducted research activities, evaluated products, precepted new nurses, and directed staff development program. Taught Advanced Cardiac Life Support courses.
1994-1996	<b>Full-Time Graduate Student;</b> University of Maryland, Baltimore; Baltimore, MD	Earned MS in Trauma/Critical Care Nursing Science. Defended thesis research titled "Predictors of Atrial Arrhythmias for Patients Undergoing Coronary Artery Bypass Grafting." Wrote 3 papers for publication, served as President of Graduate Nurses Student Association, authored a continuing education program, and won 2 awards.
1992-1994	<b>Infection Control Officer;</b> Ehring Bergquist Hospital; Offutt Air Force Base, NE	Managed Infection Control program for 60-bed hospital and 14 outpatient clinics. Conducted surveillance for 26,050+ patients per month, taught inservices for 850+ personnel, wrote hospital Infection Control policies, and developed the tuberculosis program.

<b><u>Dates</u></b>	<b><u>Position</u></b>	<b><u>Scope of Role</u></b>
1990-1992	<b>Clinical Nurse;</b> Special Care Unit; Ehrling Bergquist Hospital; Offutt Air Force Base, NE	Delivered patient care, and transported unstable patients by ground and air. Served as Quality Improvement Coordinator, and in-house supervisor after regular duty hours. Precepted new nurses, and taught Advanced Cardiac Life Support courses.
1989-1990	<b>Clinical Nurse;</b> Medical/Pediatric Unit; Ehrling Bergquist Hospital; Offutt Air Force Base, NE	Delivered patient care, developed skill verification checklists, and served as unit representative to Nursing Education and Training Committee.
1989	<b>Nurse Intern;</b> Ehrling Bergquist Hospital; Offutt Air Force Base, NE	Completed Nurse Internship Program, delivered patient care, and reviewed and updated Special Care Unit's operating instructions and procedures.
1988-1999	<b>Clinical Nurse;</b> Mercy Hospital Medical Center; Des Moines, IA	Delivered patient care, and participated in unit Quality Improvement activities.

## **HONORS AND AWARDS**

<b><u>Year</u></b>	<b><u>Honor/Award</u></b>	<b><u>Presented By</u></b>
2015	Visionary Pioneer Award	University of Maryland, School of Nursing
2014	Meritorious Service Medal	711 <sup>th</sup> Human Performance Wing, Air Force Research Laboratory
2014	Grand View University Distinguished Alumni Award	Grand View University
2014	University of Maryland School of Nursing Distinguished Alumni Award	University of Maryland, School of Nursing
2012	Inducted as Fellow	American Academy of Nursing
2011	Top Five Reviewers of 2011	<i>Journal of Cardiovascular Nursing</i>
2011	Defense Meritorious Service Medal	Uniformed Services University of the Health Sciences
2011	Inducted into University of Kentucky College of Nursing Hall of Fame	University of Kentucky College of Nursing

<b><u>Year</u></b>	<b><u>Honor/Award</u></b>	<b><u>Presented By</u></b>
2010	Recognized as one of Fifty Outstanding Alumni	University of Kentucky College of Nursing Alumni Association
2010	Flame of Excellence Award	American Association of Critical-Care Nurses
2010	Below Promotion Zone promotion to Colonel	United States Air Force
2009	Top Five Reviewers of 2009	<i>Journal of Cardiovascular Nursing</i>
2009	Meritorious Service Medal	United States Army Medical Research and Materiel Command
2008	Meritorious Service Medal	59 <sup>th</sup> Medical Wing
2007	Joint Service Commendation Medal	United States Central Command
2006	Field Grade Nurse of the Year	United States Air Force Nurse Corps
2006	Field Grade Nurse of the Year	United States Air Force Air Education and Training Command
2006	Research Oral Abstract Award Winner	National Teaching Institute, American Association of Critical-Care Nurses
2006	Field Grade Nurse of the Quarter	59 <sup>th</sup> Medical Support Group, Wilford Hall Medical Center
2006	Below Promotion Zone promotion to Lieutenant Colonel	United State Air Force
2005	Carolyn A. Williams Award	University of Kentucky College of Nursing Alumni Association
2005	Best Doctoral Podium Presentation, First Annual Student Scholarship Showcase	University of Kentucky College of Nursing
2005	First Place, Graduate Student Poster Award	Southern Nursing Research Society
2004	Nursing Research Award	Heart Failure Society of America
2002-2003	AACN/AJN Nursing Fellows Program, mentor for Janet Mulroy	American Association of Critical-Care Nurses and <i>American Journal of Nursing</i>
2002	Meritorious Service Medal	81 <sup>st</sup> Training Wing
2001	Small Arms Expert Marksman Medal	United States Air Force

<b><u>Year</u></b>	<b><u>Honor/Award</u></b>	<b><u>Presented By</u></b>
2000	Company Grade Nurse Officer of the Year Award	Keesler Medical Center
1999	Meritorious Service Medal	59 <sup>th</sup> Medical Wing
1998	Company Grade Nurse of the Year Award	59 <sup>th</sup> Medical Wing
1997	Sigma Theta Tau Nurse Image Maker Award	Sigma Theta Tau, Delta Alpha Chapter
1996	Hewlett Packard Award for Excellence in Critical Care Nursing	University of Maryland School of Nursing, Department of Acute and Long Term Care
1996	The Most Outstanding Nursing Research Presentation Award, Graduate Research Day	University of Maryland
1994	Commendation Medal	55 <sup>th</sup> Wing
1993	Company Grade Officer of the Year	Offutt Air Force Base, Ehrling Bergquist Hospital
1993	Certificate of Special Recognition for projecting a positive image of nursing	Nebraska Nurses Association, District Two
1992	Nurse Company Grade Officer of the Year	Offutt Air Force Base, Ehrling Bergquist Hospital
1991	Company Grade Officer of the Quarter	Offutt Air Force Base, Ehrling Bergquist Hospital
1990	Honorary Recruiter	United States Air Force Recruiting Service
1988	Grand View College Honor Society, permanent membership	Grand View College
1988	Lady in White Award	Grand View College
1987	Inducted as Member	Sigma Theta Tau International Honor Society of Nursing
1987	Wirtz Award	Grand View College

#### **EDUCATION – NON-DEGREE GRANTING**

2015	Collaborative Institutional Training Initiative (Human Subjects Research)
2013	Interagency Institute for Federal Health Care Executives (in residence)

2010	Cost Principles (Federal Grants Management)
2010	Monitoring Grants and Cooperative Agreements for Federal Personnel
2010	Introduction to Grants and Cooperative Agreements for Federal Personnel
2009	TriService Nursing Research Program Research Grant Camp
2008	Intermediate Executive Skills Course
2008	Trauma Outcomes & Performance Improvement Course
2006	Air War College (correspondence)
2006	Evidence-Based Nursing Practice Workshop
2005	Post-Award Grants Management Workshop
2005	Collaborative Institutional Training Initiative (Human Subjects Research)
2005	Laboratory Animal Training Association Training Course
2001	Air Command and Staff College (correspondence)
2001	Joint Commission Leadership Summit on Pain Management
2000	Critical Care Air Transport Team Course
2000	Fundamental Critical Care Support Course
1997	Nursing Service Management
1993	Squadron Officer School (correspondence)
1992	Basic Infection Control and Surveillance Course
1991	JCAHO Standards for Nursing
1990	Lieutenant's Professional Development Program
1989	Medical-Surgical Nurse Internship Program

## **PUBLICATIONS**

### **Journal Articles in Peer-Reviewed Journals (\* data based)**

Arslanian-Engoren C, Eastwood J-A, **De Jong MJ**, Berra K. Participation in heart healthy behaviors: a secondary analysis of the American Heart Association Go Red Heart Match data. *J Cardiovasc Nurs*. In press.\*

Daugherty Biddison L, Berkowitz KA, Courtney B, **De Jong MJ**, Devereaux AV, Kissoon N, Roxland BE, Sprung CL, Dichter JR, Christian MD, Powell T. Ethical considerations: care of the critically ill and injured during pandemics and disasters: CHEST consensus statement. *CHEST*. 2014;146(4S):e145S-e155S.

- O'Connell KM, **De Jong MJ**, Dufour K, Millwater T, Dukes S, Winik C. Simulation use in aeromedical evacuation training: research gaps from an integrated review. *Clin Sim in Nursing*. 2014;10(1):e11-18.
- McCrary BF, Weaver L, Marrs K, Miller RS, Dicks C, Deru K, Close N, **De Jong M**. Hyperbaric oxygen (HBO<sub>2</sub>) for post-concussive syndrome/chronic TBI. *Undersea Hyperb Med*. 2013;40:443-67.
- De Jong MJ**, Chung ML, Wu JR, Riegel B, Rayens MK, Moser DK. Linkages between anxiety and outcomes in heart failure. *Heart Lung*. 2011;40:393-404.\*
- De Jong MJ**, Schmelz J, Evers K, Bradshaw P, McKnight K, Bridges E. Accuracy and precision of buccal pulse oximetry. *Heart Lung*. 2011;40:31-40.\*
- Wu JR, Moser DK, Rayens MK, **De Jong M**, Chung M, Riegel B, Lennie TA. Rural and event-free survival in patients with heart failure. *Heart Lung*. 2010;39:512-520.\*
- Wu JR, Lennie TA, **De Jong MJ**, Frazier SK, Heo S, Chung ML, Moser DK. Medication adherence is a mediator of the relationship between ethnicity and event-free survival in patients with heart failure. *J Card Fail*. 2010;16:142-149.\*
- De Jong MJ**, Benner R, Benner P, Richard ML, Kenny DJ, Kelley P, Bingham M, Debisette AT. Mass casualty care in an expeditionary environment: developing local knowledge and expertise in context. *J Trauma Nurs*. 2010;17:45-58.\*
- Bingham M, Ashley J, **De Jong M**, Swift C. Implementing a unit level intervention to reduce the probability of ventilator-associated pneumonia. *Nurs Res*. 2010;59(1S):S40-S47.
- Wu JR, Moser DK, Lennie TA, **De Jong MJ**, Rayens MK, Chung ML, Riegel B. Defining an evidence-based cutpoint for medication adherence in heart failure. *Am Heart J*. 2009;157:285-291.\*
- De Jong M**, Martin KD, Huddleston M, Spott MA, McCoy J, Black JA, Bolenbaucher R. Performance improvement on the battlefield. *J Trauma Nurs*. 2008;15:174-180.
- Chung ML, Lennie TA, **De Jong MJ**, Wu JR, Riegel B, Moser DK. Patients differ in their ability to self-monitor adherence to a low-sodium diet versus medication. *J Card Fail*. 2008;14:114-120.\*
- De Jong MJ**, Hall LA. Measurement of anxiety for patients with cardiac disease: a critical review and analysis. *J Cardiovasc Nurs*. 2006;21:412-419.
- Bentley B, **De Jong MJ**, Moser DK, Peden AR. Factors related to nonadherence to low sodium diet recommendations in heart failure patients. *Eur J Cardiovasc Nurs*. 2005;4:331-336.\*
- De Jong MJ**, Moser DK, Chung ML. Predictors of health status for heart failure patients. *Prog Cardiovasc Nurs*. 2005;20:155-162.\*
- De Jong MJ**, Burns SM, Campbell ML, Chulay M, Grap MJ, Pierce LN, Simpson T. Development of the American Association of Critical-Care Nurses' Sedation Assessment Scale for critically ill patients. *Am J Crit Care*. 2005;14:531-544.

- Konstam V, Moser DK, **De Jong MJ**. Depression, anxiety and heart failure. *J Card Fail*. 2005;11:455-463.
- De Jong MJ**, An K, McKinley S, Garvin BJ, Hall LA, Moser DK. Using a 0-10 scale for assessment of anxiety in patients with acute myocardial infarction. *Dimens Crit Care Nurs*. 2005;24:139-146.\*
- De Jong MJ**, Randall DC. Heart rate variability analysis in the assessment of autonomic function in heart failure. *J Cardiovasc Nurs*. 2005;20:186-195.
- De Jong MJ**, Moser DK, An K, Chung ML. Anxiety is not manifested by elevated heart rate and blood pressure in acutely ill cardiac patients. *Eur J Cardiovasc Nurs*. 2004;3:247-253.\*
- De Jong MJ**, Chung ML, Roser LP, et al. A five-country comparison of anxiety early after acute myocardial infarction. *Eur J Cardiovasc Nurs*. 2004;3:129-134.\*
- An K, **De Jong MJ**, Riegel BJ, et al. A cross-sectional examination of changes in anxiety early after acute myocardial infarction. *Heart Lung*. 2004;33:75-82.\*
- Abbott/American Association of Critical-Care Nurses/Saint Thomas Health System Sedation Expert Panel Members (Bader MK, Burns SM, Campbell M, Chulay M, **De Jong M**, et al.). Consensus conference on sedation assessment: a collaborative venture by Abbott Laboratories, American Association of Critical-Care Nurses, and Saint Thomas Health System. *Crit Care Nurse*. 2004;24(2):33-41.
- De Jong MJ**. Cellular telephone use while driving: growing awareness of the danger. *J Emerg Nurs*. 2003;29:578-581.
- De Jong MJ**, Fausett MB. Anaphylactoid syndrome of pregnancy: a devastating complication requiring intensive care. *Crit Care Nurse*. 2003;23(6):42-48.
- Mulroy JF, **De Jong MJ**. Syndromes of hypercoagulability. *Am J Nurs*. 2003;103(5):64KK-SS.
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- De Jong MJ**, Morton PG. Predictors of atrial dysrhythmias for patients undergoing coronary artery bypass grafting. *Am J Crit Care*. 2000;9:388-396.\*
- De Jong MJ**, Beatty DS. Family perceptions of support interventions in the intensive care unit. *Dimens Crit Care Nurs*. 2000;19:40-47.\*
- Ross GK, **De Jong MJ**. Emergency! Pericardial tamponade. *Am J Nurs*. 1999;99(2):35.
- De Jong MJ**. Emergency! Hyponatremia. *Am J Nurs*. 1998;98(12):36.
- De Jong MJ**, Morton PG. Patients at risk for atrial dysrhythmias after coronary artery bypass grafting. *Dimens Crit Care Nurs*. 1998;98:114-126.
- De Jong MJ**. Infective endocarditis. *Am J Nurs*. 1998;98(5):34-35.

**De Jong MJ.** Cardiogenic shock. *Am J Nurs.* 1997;97(6):40-41.

**De Jong MJ,** Morton PG. Control of vascular complications after cardiac catheterization: a research-based protocol. *Dimens Crit Care Nurs.* 1997;16:170-180.

### **Book**

**De Jong MJ,** Karch AM. Lippincott's Critical Care Drug Guide. Philadelphia: Lippincott, 2000.

### **Book Chapters**

Leeper B, **De Jong MJ,** Coombs V, Rempher K, Obias-Manno D, Gordon C. Patient management: cardiovascular system. In: Morton PG, Fontaine DK, eds. Critical Care Nursing: A Holistic Approach. 10th ed. Philadelphia: Wolters Kluwer Lippincott Williams & Wilkins, 2012.

**De Jong MJ,** Escalera K, Coombs V, Rempher K, Obias-Manno D, Gordon C. Patient management: cardiovascular system. In: Morton PG, Fontaine DK, eds. Critical Care Nursing: A Holistic Approach. 9th ed. Philadelphia: Wolters Kluwer Lippincott Williams & Wilkins, 2009:326-420.

**De Jong MJ.** Impact of anxiety on cardiac disease. In Moser DK, Riegel B. Cardiac Nursing: A Companion to Braunwald's Heart Disease. Philadelphia: Elsevier, 2008:533-542.

**De Jong MJ.** Clinical judgment. In McKinley M. ed. Acute and Critical Care Clinical Nurse Specialists: Synergy for Best Practices. Philadelphia: Elsevier, 2007:61-75.

Moser DK, **De Jong MJ.** Anxiety and heart disease. In Molinari E, Compare A, Parati G, eds. Clinical Psychology and Heart Disease (In English and Italian). New York: Springer Publishing.

**De Jong M,** Coombs V, Rempher K, Obias-Manno D, Gordon C. Patient management: cardiovascular system. In: Morton PG, Fontaine D, Hudak CM, Gallo BM, eds. Critical Care Nursing: A Holistic Approach. 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2005:292-377.

**De Jong MJ.** Musculoskeletal disorders. In: Rosdahl CB, ed. Textbook of Basic Nursing. 7th ed. Philadelphia: Lippincott, 1999:1012-1044.

**De Jong MJ.** Skin disorders. In: Rosdahl CB, ed. Textbook of Basic Nursing. 7th ed. Philadelphia: Lippincott, 1999:984-1003.

**De Jong MJ.** Heart and neck vessel assessment. In: Weber J, Kelly J, eds. Instructor's Resource Kit to Accompany Lippincott's Learning System: Health Assessment in Nursing. Philadelphia: Lippincott, 1998:115-123.

## **Published Abstracts**

Arslanian-Engoren C, Eastwood JA, **De Jong M**, Berra K. Participation in heart healthy behaviors: a secondary analysis of the American Heart Association Go Red Heart Match data. *Circulation*. 2013;128:A13375.

**De Jong MJ**, Moser DK, Chung ML, Wu J-R. Nonadherence to prescribed medications mediates the link between anxiety and event-free survival in patients with heart failure. *Circulation*. 2008;118:S769-S770.

Wu J-R, Lennie TA, **De Jong MJ**, Chung ML, Rayens MK, Riegel B, Moser DK. Heart failure patients in rural areas have better event-free survival than those living in urban areas. *Circulation*. 2008;118:S825.

Wu J-R, Lennie TA, **De Jong MJ**, Rayens MK, Chung ML, Riegel B, Moser DK. Defining an evidence-based cutpoint for medication adherence in heart failure. *Circulation*. 2008;118:S1039.

Chung ML, **De Jong M**, Wu J-R, Lennie TA, Riegel B, Moser DK. Patients differ in their ability to self-monitor adherence to low sodium diet vs. medication. *Prog Cardiovasc Nurs*. 2006;21:108.

**De Jong M**, Riegel B, Armola R, Moser D. Trajectory of quality of life in heart failure patients with preserved and nonpreserved systolic function. *Am J Crit Care*. 2006;15:324-325.

Bentley BB, **De Jong MJ**, Moser DK. Predictors of dietary sodium adherence in patients with heart failure: evaluation of the Theory of Planned Behavior. *Circulation*. 2005;112:II-426.

**De Jong MJ**, An K, McKinley S, Garvin B, Hall L, Moser D. Using a 0-10 scale for assessment of anxiety in patients with acute myocardial infarction. *Am J Crit Care*. 2005;14:259-260.

**De Jong MJ**, Moser DK, Chung ML. Anxiety, depression, and functional status are the best predictors of health status for patients with heart failure. *Eur J Cardiovasc Nurs*. 2005;4:54.

**De Jong MJ**, Moser DK. The trajectory of health-related quality of life in patients in with heart failure. *Eur J Cardiovasc Nurs*. 2005;4:70-71.

**De Jong MJ**, An K, Cherrington CC, Moser DK. Appraising symptom seriousness in acute myocardial infarction: emotional-cognitive variables are most important. *Circulation*. 2004;110:III-664.

**De Jong MJ**, Moser DK, Chung ML. Anxiety, depression, and functional status are the best predictors of health status for patients with heart failure. *J Card Fail*. 2004;10:S21.

Bentley B, **De Jong M**, Moser D. The hidden reason for patients' nonadherence to low sodium diet recommendations. *J Card Fail*. 2004;10:S21.

**De Jong MJ**, Moser D, An K, Chung M. Anxiety is not manifested by elevated heart rate and blood pressure in acutely ill cardiac patients. *Am J Crit Care*. 2004;13:253.

**De Jong M**, Morton P. Predictors of atrial arrhythmias for patients undergoing coronary artery bypass grafting. *Am J Crit Care*. 1997;6:243.

### **Other Non-Refereed Publications**

**De Jong MJ**. Case studies: strategies to protect patient privacy. *Nurse Author & Editor*. 2012;22(4):<http://www.nurseauthoreditor.com/article.asp?id=201>.

Bridges E, Schmelz J, Evers K, Johnson AD, **De Jong M**. Equipment challenges during critical care aeromedical evacuation. *ICU Management*. 2006;6(2):10.

**De Jong MJ**, Moser DK, Hall LA. The manuscript option dissertation: multiple perspectives. *Nurse Author Ed*. 2005;15(3):3-4,7-9.

**De Jong MJ**. Spotting reference errors. *Nurse Author Ed*. 2004;14(2):7-9.

Dreater P, **De Jong MJ**. Is military nursing for you? *Critical Care Choices* 2002 (Supplement to *Nursing* 2002 and *Nurs Manag*) 2002:37S-38S.

**De Jong MJ**, Wright SL. New adjunctive therapy for ischemic syndromes. *Crit Care Nurs Clin North Am*. 1999;11:355-371.

### **Book Reviews**

**De Jong MJ**. Critical care nursing. By L Bucher, S Melander. Philadelphia: Saunders, 1999. *Crit Care Nurse*. 2000; 20(4):104-105.

**De Jong MJ**. Pocket companion for critical care nursing. By S Melander, L Bucher. Philadelphia: Saunders, 1999. *Crit Care Nurse*. 2000; 20(4):105.

**De Jong MJ**. Infection control and safe practice. By SD Schaffer, LS Garzon, DL Heroux, DM Korniewicz. St. Louis: Mosby, 1996. *Dimens Crit Care Nurs*. 1997;16:224.

### **Software Reviews**

**De Jong MJ**. EndNote®7. ISI ResearchSoft, Carlsbad, CA. *Nurse Author Ed*. 2004;14(2):10.

**De Jong MJ**. APA-Style Helper® 3.0. American Psychological Association, Washington, DC. *Nurse Author Ed*. 2003;14(1):9.

**De Jong MJ**. EndNote®6. ISI ResearchSoft, Carlsbad, CA. *Nurse Author Ed*. 2004;13(1):9.

### **Newsletter Publications**

Goodyear-Bruch C, **De Jong MJ**. AACN national board: passionate and proactive. *AACN News*. 2003;20(7):7.

Bryant M, **De Jong MJ**, Mulroy JF. Choosing future leaders is an awesome experience – and responsibility! *AACN News*. 2001;18(4):1,3.

## **VIDEO PRODUCTION**

**De Jong MJ**, Alexander L, Pastor-Lacey T. Cardiogenic Shock. Houston: Medivision.

## **FUNDED RESEARCH**

- 2013-present Building a Program of Research for Simulation in the Strategic Aeromedical Evacuation (AE)/Critical Care Air Transport Team (CCATT) System. Dukes S (PI), **De Jong MJ** (AI), Serres J (AI). 711<sup>th</sup> Human Performance Wing. \$212,000.
- 2013-present Clinical Experience and Learning Style of Students attending the Flight Nurse and Aeromedical Evacuation Technician Courses. **De Jong MJ** (PI), et al. 711<sup>th</sup> Human Performance Wing. \$6,000.
- 2012-2013 Use of Simulation in Aeromedical Evacuation Training: An integrated review. **De Jong MJ** (PI), et al. 711<sup>th</sup> Human Performance Wing. \$59,000.
- 2006-2009 Accuracy and Precision of Buccal Pulse Oximetry. **De Jong MJ** (PI), Schmelz J (AI), Bradshaw P (AI). TriService Nursing Research Program. \$116,496.
- 2005-2006 Comparison of Patient Warming Strategies in Deployed Environments (Sus scrofa). **De Jong MJ** (PI), Gallo L, Schmelz J, Bridges E. Air Force Surgeon General. \$30,000.
- 2005-2009 Linkages Between Anxiety and Outcomes in Heart Failure. **De Jong MJ** (PI), Moser DK, Rayens MK. TriService Nursing Research Program Graduate Research Award. \$40,078.
- 2003-2009 Clinical Knowledge Development of Nurses in an Operational Environment. Richard ML (PI), Benner P (Co-Inv.), Benner RV (Co-Inv.), **De Jong MJ** (Co-Inv.) et al. TriService Nursing Research Program. \$484,472.

## **RESEARCH**

- 2004-2005 Anxiety in Patients with Cardiac Disease. Dissertation. University of Kentucky.
- 2003 Factors Related to Nonadherence to a Low Sodium Diet in Heart Failure Patients. Bentley B (co-PI), **De Jong MJ** (co-PI), Moser DK, Peden AR. Qualitative research conducted at the University of Kentucky.

- 1997-1998      Family Perceptions of Social Support Interventions in the Intensive Care Unit. **De Jong MJ** (PI), Beatty DS. Wilford Hall Medical Center.
- 1997-1998      Research data collector for the American Association of Critical-Care Nurses' Thunder II Pain Study.
- 1995-1996      Predictors of Atrial Arrhythmias for Patients Undergoing Coronary Artery Bypass Grafting. **De Jong MJ** (PI), Morton PG. Thesis research conducted at the University of Maryland at Baltimore.

## **PROFESSIONAL ACTIVITIES/CONSULTATION**

- 2014              **Abstract Reviewer**, TriService Nursing Research Program.
- 2013-2014      **Invited Member**, Wright State University College of Nursing and Health Academic and Strategic Planning Board.
- 2011-present   **Chief Military Consultant** to the US Air Force Surgeon General for Nursing Research.
- 2011-present   **Chairperson, Scientific Merit Review Committee**, for two clinical trials regarding the use of hyperbaric oxygen therapy for combat casualties with persistent post-concussive symptoms after mild traumatic brain injury.
- 2009              **Advisory Council Member**, TriService Nursing Research Program.
- 2005              **Scholarship Showcase Committee**, University of Kentucky, College of Nursing.
- 2003-2004      **PhD Program Committee**, University of Kentucky, College of Nursing.
- 2002              **Sedation Expert Panel**, collaborative project with Abbott, American Association of Critical-Care Nurses, and St. Thomas Hospital, Nashville, TN.
- 2000              **Quality of Care Review Nurse Representative**, Keesler Medical Center.
- 1998              **Chairperson, Peer Review Panel**, Wilford Hall Medical Center.
- 1998              **Expert Witness**, United States Air Force vs. Air Force officer (name withheld).
- 1997-1998      **Research data collector** for the American Association of Critical-Care Nurses' Thunder II Pain Study.
- 1995-1996      **Dean of Nursing's Student Advisory Council**, University of Maryland at Baltimore.

## **EDUCATIONAL PRESENTATIONS**

### **National**

- 2012      **Putting Evidence into Nursing Practice.** Invited lecture. Presented at the 14th Annual Military and Federal Perioperative Nurses Symposium, New Orleans, LA.
- 2009      **Charting the Frontier of Military Nursing Research: Director's Perspective.** Presented at the 115th annual meeting of the Association of Military Surgeons of the United States, St. Louis, IL.
- 2009      **Prevention, Mitigation, and Treatment of Blast Injuries: State of the Science.** Presented at the National Teaching Institute sponsored by the American Association of Critical-Care Nurses, New Orleans, LA.
- 2009      **Evidence-Based Practice.** Invited three-person lecture. Presented at the 2009 Air Force Executive Leadership Symposium, Dallas, TX.
- 2008      **Medical Advances on the Battlefield: How Nurses are Contributing.** Invited lecture. Presented at the 14<sup>th</sup> Annual San Antonio Trauma Symposium, San Antonio, TX.
- 2008      **Tactical Combat Casualty Care.** Invited lecture. Presented at the VHA and DoD Facility-Based Educator's Conference, San Antonio, TX.
- 2008      **Tips from the Trenches: Expert Nurse Researcher Panel. Invited panel presentation.** Invited lecture. Presented at the 15th Biennial Phyllis J Verhonick Nursing Research Conference, San Antonio, TX.
- 2008      **Medical Advances on the Battlefield.** Invited lecture. Presented at the 2008 Air Force Executive Leadership Symposium, Dallas, TX.
- 2007      **Medical Advances on the Battlefield.** Invited lecture. Presented at the 2007 Air Force Heritage to Horizon Women's Training Symposium, Springfield, VA.
- 2007      **Joint Theater Trauma System.** Invited lecture. 28<sup>th</sup> Combat Support Hospital Trauma Symposium, Baghdad, Iraq.
- 2007      **Care of Soft Tissue Injuries.** Invited lecture. Presented at the 2007 Baghdad Physician Assistant Conference "Healthcare in a Deployed Environment" in Baghdad, Iraq.
- 2005      **Anxiety in Patients with Cardiac Disease.** Invited lecture. Presented at the 6<sup>th</sup> Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke sponsored by the American Heart Association, Washington, DC.
- 2005      **Chapter Elections: Keys to a Successful Leadership.** Presented at the National Teaching Institute sponsored by the American Association of Critical-Care Nurses, New Orleans, LA.

- 2005 **Critical Pathways in Acute Coronary Syndrome.** Invited lecture. Presented with Anne Marie Palatnik at the National Teaching Institute sponsored by the American Association of Critical-Care Nurses, New Orleans, LA.
- 2005 **Comprehensive Management of the Heart Failure Patient.** Invited lecture. Presented with Brooke Bentley in Jacksonville, FL.
- 2004 **How to Be an AACN Speaker.** Presented with Marian Altman at the National Teaching Institute sponsored by the American Association of Critical-Care Nurses, Orlando, FL.
- 2003 **Sedation Assessment: Time for a Change?** Invited lecture. Presented with Marianne Chulay and Lorie Wild at the National Teaching Institute sponsored by the American Association of Critical-Care Nurses, San Antonio, TX.
- 2002 **Atherogenesis 2002: New Concepts in Plaque Vulnerability and C-Reactive Protein.** Invited lecture. Presented at the New Cardiovascular Horizons Conference, New Orleans, LA.
- 2000 **Strategies for a Successful Return to School.** Presented at the National Teaching Institute sponsored by the American Association of Critical-Care Nurses, Orlando, FL.
- 1998 **Open Codes: Family Presence During Resuscitation.** Presented at the Emergency Medicine on the River Walk Conference, San Antonio, TX.

### **Regional**

- 2011 **Putting Evidence into Nursing Practice.** Invited Keynote Lecture. Presented at the 21<sup>st</sup> Annual Nursing Research Paper's Day sponsored by the University of Kentucky Chandler Medical Center, Lexington, KY.
- 2011 **Lessons from the Field – Sharing the Evidence and Putting it into Practice.** Invited lecture. Presented at the 21<sup>st</sup> Annual Nursing Research Paper's Day sponsored by the University of Kentucky Chandler Medical Center, Lexington, KY.
- 2011 **Putting Evidence into Nursing Practice.** Invited lecture. Presented at the 13<sup>th</sup> Annual Evening of Research sponsored by Sigma Theta Tau International Zeta Chi Chapter Nursing Research Committee and Iowa Health Des Moines Evidence-Based Practice Committee, Des Moines, IA.
- 2011 **Lessons from the Field – Sharing the Evidence and Putting it into Practice.** Invited lecture. Presented at the 13<sup>th</sup> Annual Evening of Research sponsored by Sigma Theta Tau International Zeta Chi Chapter Nursing Research Committee and Iowa Health Des Moines Evidence-Based Practice Committee, Des Moines, IA.

- 2008 **Joint Theater Trauma System and Joint Theater Trauma Registry.** Invited lecture. Presented at the Texas Trauma Coordinators Forum, Austin, TX.
- 2001 **Families: Friend or Foe? Interventions for Family Members of Critically Ill Patients.** Presented at the Currents Conference sponsored by Region 12 of the American Association of Critical-Care Nurses, Lafayette, LA.
- 2001 **Anaphylactoid Syndrome of Pregnancy: A Devastating Obstetrical Complication Requiring Intensive Care.** Presented at the Currents Conference sponsored by Region 12 of the American Association of Critical-Care Nurses, Lafayette, LA.
- 2000 **Strategic Plans Made Simple.** Invited lecture. Presented at the Region Fall Meeting sponsored by Region 12 of the American Association of Critical-Care Nurses, New Orleans, LA.
- 2000 **Family Presence During Resuscitation.** Presented at the Currents Conference sponsored by Region 12 of the American Association of Critical-Care Nurses, Lafayette, LA.
- 2000 **Cardiogenic Shock.** Presented at the Currents Conference sponsored by Region 12 of the American Association of Critical-Care Nurses, Lafayette, LA.
- 1998 **Family Presence During Resuscitation.** Invited lecture. Presented at the Dimensions in Critical Care Symposium, sponsored by the Houston Gulf Coast Chapter of the American Association of Critical-Care Nurses, Houston, TX.
- 1998 **Control of Vascular Complications After Cardiac Catheterization and Angioplasty.** Presented at the Trends in Trauma Nursing and Cardiovascular Nursing '98 Conference, Philadelphia, PA.
- 1998 **Predictors of Atrial Dysrhythmias after Coronary Artery Bypass Grafting.** Presented at the Trends in Trauma Nursing and Cardiovascular Nursing '98 Conference, Philadelphia, PA.
- 1998 **Family Presence During a Code.** Invited lecture. Presented at the Research-Based Fall Symposium, sponsored by the San Antonio Chapter of the American Association of Critical-Care Nurses, San Antonio, TX.

### **Local**

- 2014 **In Pursuit of Excellence.** Invited speaker. Presented to Air Force Reserve Officer Training Corps (ROTC) Detachment 643, Wright State University, Dayton, OH.
- 2012 **Lessons from the Field – Sharing the Evidence and Putting it into Practice.** Invited lecture. Kettering College Seminar Series.

- 2010 **Caring Today for a Healthier Tomorrow: The Role of Evidence-Based Practice.** Invited speaker. 779<sup>th</sup> Medical Group Nurse/Technician Week Celebration Luncheon. Andrews AFB, MD.
- 2008 **Combat Casualty Care: A Brief Examination of Research and Evidence-Based Practice.** Invited keynote address. Presented at the 4<sup>th</sup> Annual Scholarship Showcase. University of Kentucky, Lexington, KY.
- 2008 **Combat Medical Panel.** Invited lecture as part of panel. Presented at the Federal Women's Symposium, Lackland Air Force Base, TX.
- 2005 **Assessment of Health Status for Patients with Heart Failure.** Invited lecture. Presented at the 3<sup>rd</sup> Annual Cardiovascular Update Conference sponsored by the University of Kentucky College of Nursing, Lexington, KY.
- 2004 **Cardiovascular Nursing Assessment.** Invited lecture. Midway College, College of Nursing. Midway, KY.
- 2000 **Strategies for a Successful Return to School.** Presented at a chapter meeting for the Gulf Coast Magnolia Chapter Meeting of the American Association of Critical-Care Nurses, Biloxi, MS.
- 1998 **The Publishing Process.** Presented at a conference titled So You Want to Publish? The Key to Your Success. San Antonio, TX.

### **ORAL RESEARCH PRESENTATIONS**

- 2014 **De Jong MJ**, Dukes S, Dufour K. Clinical Experience and Learning Style of Air Force Flight Nurses and Aeromedical Evacuation Technician Students. Presented at the TriService Nursing Research Program Research and Evidence-Based Practice Dissemination Course, San Antonio, TX.
- 2010 Mass Casualty Care in an Expeditionary Environment: Developing Local Knowledge and Expertise in Context. Presented at the 24<sup>th</sup> Annual Southern Nursing Research Society Conference, Austin, TX.
- 2008 Nonadherence to Prescribed Medications Mediates the Link between Anxiety and Event-Free Survival in Patients with Heart Failure. Presented at Scientific Sessions 2008, New Orleans, LA.
- 2008 Wu J-R, Lennie TA, **De Jong MJ**, Chung ML, Rayens MK, Riegel B, Moser DK. Heart Failure Patients in Rural Areas Have Better Event-Free Survival Than Those Living in Urban Areas. Presented at Scientific Sessions 2008, New Orleans, LA.
- 2008 Richard M, Benner P, Bingham M, **De Jong, M**, Debisette A. Clinical Knowledge Development of Nurses in an Operational Environment. Presented at the 114th annual meeting of the Association of Military Surgeons of the United States, San Antonio, TX.

- 2008 Richard M, Bingham M, **De Jong, M**, Debisette A. Clinical Knowledge Development of Nurses in an Operational Environment – Qualitative Study Overview and Relevant Themes and Specifics for Navy, Army, Air Force, and Public Health. Presented at the 15th Biennial Phyllis J Verhonick Nursing Research Conference, San Antonio, TX.
- 2006 Schmelz J, Bridges E, Evers K, Johnson A, **De Jong M**. Preventing Hypothermia Under Military Operational Conditions. Presented at the National Congress on the State of the Science in Nursing Research, Washington, D.C.
- 2006 Trajectory of Health-Related Quality of Life in Heart Failure Patients with Preserved and Non-Preserved Systolic Function. Presented at the American Association of Critical-Care Nurses’ National Teaching Institute and Critical Care Exposition, Anaheim, CA.
- 2006 Trajectory of Health-Related Quality of Life in Heart Failure Patients with Preserved and Non-Preserved Systolic Function. Presented at the 19<sup>th</sup> Annual Pacific Nursing Research Conference, Honolulu, HI.
- 2006 The Relative Importance of Sociodemographic, Clinical, Health Perception, and Emotional Variables in Predicting Health Status for Patients with Heart Failure. Presented at the 19<sup>th</sup> Annual Pacific Nursing Research Conference, Honolulu, HI.
- 2006 Trajectory of Health-Related Quality of Life in Heart Failure Patients with Preserved and Non-Preserved Systolic Function. Presented at the 20<sup>th</sup> Annual Southern Nursing Research Society Conference, Memphis, TN.
- 2006 Chung ML, **De Jong M**, Wu J, Lennie TA, Riegel B, Moser DK. Comparison of Objective and Subjective Measures of Sodium-Restricted Diet and Medication Adherence among Patients with Heart Failure. Presented at the 20<sup>th</sup> Annual Southern Nursing Research Society Conference, Memphis, TN.
- 2005 Anxiety, Depression, and Functional Status are the Best Predictors of Health Status for Patients with Heart Failure. Presented at the First Annual Student Scholarship Showcase, University of Kentucky, College of Nursing, Lexington, KY.
- 2005 Anxiety, Depression, and Functional Status are the Best Predictors of Health Status for Patients with Heart Failure. Presented at the 19<sup>th</sup> Annual Southern Nursing Research Society Conference, Atlanta, GA.
- 2004 Appraising Symptom Seriousness in Acute Myocardial Infarction: Emotional-Cognitive Variables are Most Influential. Presented at Scientific Sessions 2004, New Orleans, LA.

- 2004      Anxiety, Depression, and Functional Status are the Best Predictors of Health Status for Patients with Heart Failure. Presented at the 8<sup>th</sup> Annual Scientific Meeting of the Heart Failure Society of America, Toronto, Canada.
- 2004      Anxiety is Not Manifested by Elevated Heart Rate and Blood Pressure in Acutely Ill Cardiac Patients. Presented at the American Association of Critical-Care Nurses' National Teaching Institute and Critical Care Exposition, Orlando, FL.
- 1997      Predictors of Atrial Arrhythmias for Patients Undergoing Coronary Artery Bypass Grafting. Presented at the American Association of Critical-Care Nurses' National Teaching Institute and Critical Care Exposition, Orlando, FL.
- 1996      Predictors of Atrial Arrhythmias for Patients Undergoing Coronary Artery Bypass Grafting. Presented at the University of Maryland Graduate Research Day, Baltimore, MD.

## **POSTER PRESENTATIONS**

- 2013      Arslanian-Engoren C, Eastwood JA, **De Jong M**, Berra K. Participation in heart healthy behaviors: a secondary analysis of the American Heart Association Go Red Heart Match data. Presented at Scientific Sessions 2013, Dallas, TX.
- 2009      **De Jong MJ**, Schmelz J, Evers K, Bradshaw P, Bridges E, McKnight K. Accuracy and precision of buccal pulse oximetry. Presented at the American Association of Critical-Care Nurses' National Teaching Institute and Critical Care Exposition, New Orleans, LA.
- 2008      Wu J-R, Lennie TA, **De Jong MJ**, Rayens MK, Chung ML, Riegel B, Moser DK. Defining an evidence-based cutpoint for medication adherence in heart failure. Presented at Scientific Sessions 2008, New Orleans, LA.
- 2008      **De Jong MJ**, Schmelz J, Evers K, Bradshaw P, Bridges E, McKnight K. Accuracy and precision of buccal pulse oximetry. Presented at the Twentieth Annual Karen A. Rieder Nursing Research Poster Session at the 114th annual meeting of the Association of Military Surgeons of the United States, San Antonio, TX.
- 2006      **De Jong MJ**, Gallo L, Schmelz J, Bridges E. The Combination of Ready-Heat Blanket and Blizzard Blanket Prevents Hypothermia in a Hemorrhagic Shock Victim (Sus scrofa). Presented at the Eighteenth Annual Karen A. Rieder Nursing Research Poster Session at the 112th annual meeting of the Association of Military Surgeons of the United States, San Antonio, TX.

- 2006 Bridges E, Schmelz J, Evers K, Mortimer D, **De Jong MJ**. Guided casualty resuscitation across care continuum in a swine (*Sus scrofa*) model. Presented at the Eighteenth Annual Karen A. Rieder Nursing Research Poster Session at the 112th annual meeting of the Association of Military Surgeons of the United States, San Antonio, TX.
- 2005 Bentley BB, **De Jong MJ**, Moser DK. Predictors of dietary sodium adherence in patients with heart failure: evaluation of the Theory of Planned Behavior. Presented at Scientific Sessions 2005, Dallas, TX.
- 2005 **De Jong MJ**, Riegel B, Moser DK. Trajectory of health-related quality of life in heart failure patients with preserved and non-preserved systolic function. Presented at the Seventeenth Annual Karen A. Rieder Nursing Research Poster Session at the 111th annual meeting of the Association of Military Surgeons of the United States, Nashville, TN.
- 2005 **De Jong M**, An K, McKinley S, Garvin B, Hall L, Moser, D. Using a 0-10 scale for assessment of anxiety in patients with acute myocardial infarction. Presented at the American Association of Critical-Care Nurses' National Teaching Institute and Critical Care Exposition, New Orleans, LA.
- 2005 **De Jong MJ**, Moser DK, Chung ML. Anxiety, depression, and functional status are the best predictors of health status for patients with heart failure. Presented at the 5<sup>th</sup> Annual Spring Meeting of the Working Group on Cardiovascular Nursing of the European Society of Cardiology and the Institute of Nursing Science, Basel, Switzerland.
- 2005 **De Jong MJ**, Moser DK. The trajectory of health-related quality of life in patients with heart failure. Presented at the 5<sup>th</sup> Annual Spring Meeting of the Working Group on Cardiovascular Nursing of the European Society of Cardiology and the Institute of Nursing Science, Basel, Switzerland.
- 2005 **De Jong MJ**, An K, Cherrington C, Moser D. Appraising symptom seriousness in acute myocardial infarction: emotional-cognitive variables are most influential. Presented at the Graduate Student Poster Session at the 19<sup>th</sup> Annual Southern Nursing Research Society Conference, Atlanta, GA.
- 2004 **De Jong MJ**, Moser DK, Chung ML. Anxiety, depression, and functional status are the best predictors of health status for patients with heart failure. Presented at the Gill Heart Institute Cardiovascular Research Day, Lexington, KY.
- 2004 **De Jong MJ**, Moser DK, An K, Chung ML. Anxiety is not manifested by elevated heart rate and blood pressure in acutely ill cardiac patients. Presented at the Graduate Student Poster Session at the 18<sup>th</sup> annual Southern Nursing Research Society Conference, Louisville, KY.

- 2004 Bentley B, **De Jong MJ**, Moser DK. Factors related to nonadherence to a low sodium diet in heart failure patients. Presented at the Graduate Student Poster Session at the 18<sup>th</sup> annual Southern Nursing Research Society Conference, Louisville, KY.
- 2002 **De Jong MJ**, Miller NL, Novak CS, Pierce IN, Veazey SG. Competency training in the intensive care unit. Presented at the Fourteenth Annual Karen A. Rieder Nursing Research Poster Session at the 108th annual meeting of the Association of Military Surgeons of the United States, Louisville, KY.
- 2002 Gorsuch P, **De Jong MJ**, Damiani DJ. Addressing the new JCAHO pain guidelines: a multidisciplinary approach. Presented at the Fourteenth Annual Karen A. Rieder Nursing Research Poster Session at the 108th annual meeting of the Association of Military Surgeons of the United States, Louisville, KY.
- 2002 Scott S, Kelly C, Coles C, Gorsuch P, **De Jong MJ**, Schaffer J. Standardized IV medication administration across medical/surgical units in a military medical center. Presented at the Fourteenth Annual Karen A. Rieder Nursing Research Poster Session at the 108th annual meeting of the Association of Military Surgeons of the United States, Louisville, KY.
- 2002 **De Jong MJ**, Scott S, Kelly C, Coles C, Gorsuch P, Schaffer J. Standardized IV medication administration across medical/surgical units in a military medical center. Presented at the American Association of Critical-Care Nurses' National Teaching Institute and Critical Care Exposition, Atlanta, GA.
- 2002 **De Jong MJ**, Miller N, Novak C, Pierce I, Veazey S. Competency training in the intensive care unit. Presented at the American Association of Critical-Care Nurses' National Teaching Institute and Critical Care Exposition, Atlanta, GA.
- 1999 **De Jong MJ**, DeDecker L. Implementation of a latex allergy program. Presented at the Air Force Executive Leadership Symposium, San Antonio, TX.
- 1999 **De Jong MJ**, DeDecker L. Implementation of a latex allergy program. Presented at the American Association of Critical-Care Nurses' National Teaching Institute and Critical Care Exposition, New Orleans, LA.
- 1998 **De Jong MJ**. Predictors of atrial dysrhythmias for patients undergoing coronary artery bypass grafting. Presented at the Dimensions in Critical Care 1998 symposium sponsored by the San Antonio Chapter of the American Association of Critical-Care Nurses, San Antonio, TX.

- 1998      **De Jong MJ.** Control of local vascular complications after cardiac catheterization. Presented at the Dimensions in Critical Care 1998 symposium sponsored by the San Antonio Chapter of the American Association of Critical-Care Nurses, San Antonio, TX.
- 1997      **De Jong MJ.** Predictors of atrial dysrhythmias for patients undergoing coronary artery bypass grafting. Presented at the Air Force Nursing Executive Leadership Symposium, San Antonio, TX.
- 1997      **De Jong MJ.** Control of local vascular complications after cardiac catheterization. Presented at the Air Force Nursing Executive Leadership Symposium, San Antonio, TX.
- 1996      **De Jong MJ.** Predictors of atrial dysrhythmias for patients undergoing coronary artery bypass grafting. Presented at the Ninth Annual Karen A. Rieder Nursing Research Poster Session at the 103rd annual meeting of the Association of Military Surgeons of the United States, San Antonio, TX.
- 1995      **De Jong MJ.** Control of local vascular complications after cardiac catheterization. Presented at a dinner meeting of the Chesapeake Bay Chapter of the American Association of Critical-Care Nurses, Baltimore, MD.

## **EDITORIAL ACTIVITIES**

### **Editor**

- 2006      **Editor-In-Chief, AACN *Advanced Critical Care*.**

### **Editorial Board Appointments**

- 2012-2014      **Editorial Board, *Nurse Author & Editor*.**
- 2010-present      **Editorial Board, *Journal of Cardiovascular Nursing*.**
- 2005-2009      **Editorial Board, *Progress in Cardiovascular Nursing*.**
- 2005-2006      **Editorial Board, *Nursing2006 Critical Care*.**
- 2002-2006      **Editorial Board, *Nurse Author & Editor*.**
- 2002-2006      **Contributing Editor, *Military Critical Care Nursing Department, Critical Care Nurse*.**
- 1999-2002      **Editorial Board, *AACN Clinical Issues*.**

### **Reviewer**

- 2012-present      **Manuscript Reviewer, *Military Medicine*.**

2010-present	<b>Manuscript Reviewer</b> , <i>Journal of Critical Care</i> .
2010-present	<b>Manuscript Reviewer</b> , <i>Western Journal of Nursing Research</i> .
2009-present	<b>Manuscript Reviewer</b> , <i>Heart &amp; Lung</i> .
2004-present	<b>Manuscript Reviewer</b> , <i>Journal of Cardiovascular Nursing</i> .
2004-present	<b>Manuscript Reviewer</b> , <i>European Journal of Cardiovascular Nursing</i> .
2004-present	<b>Manuscript Reviewer</b> , <i>Intensive &amp; Critical Care Nursing</i> .
1998-2006	<b>Cardiac Consultant</b> , <i>Dimensions of Critical Care Nursing</i> .
1997-2006	<b>Nurse Consultant/Manuscript Reviewer</b> , Lippincott-Raven Publishers.
1996-1997	<b>Nurse Consultant/Manuscript Reviewer</b> , Mosby.
1996-2006	<b>Nurse Consultant/Manuscript Reviewer</b> , <i>Critical Care Nurse</i> .
1996-2000	<b>Nurse Consultant/Book Manuscript Reviewer</b> , Saunders.
1995-1998	<b>Nurse Consultant/Manuscript Reviewer and Developer</b> , Hall Johnson Communications, Lakewood, CO.

#### **TEACHING EXPERIENCE – Uniformed Services University of the Health Sciences**

<b><u>Year</u></b>	<b><u>Course Number</u></b>	<b><u>Topic/Course Level</u></b>
2015	PhD 880	Professional Issues in Scholarship – one of three instructors

#### **DISSERTATION GUIDANCE – Uniformed Services University of the Health Sciences**

<b><u>Year</u></b>	<b><u>Student</u></b>	<b><u>Dissertation Title / Position</u></b>
2015	Major Cubby Gardner	The Electronic Collection and Presentation of Nocturnal Heart Failure Information / Committee Member

#### **OTHER TEACHING EXPERIENCE**

##### **National**

2014	TSNRP Priorities, Overview of Grant Application, Budget and Scientific Merit Review. Invited lectures and advised student. <b>TSNRP Research Grant Camp</b> . Sponsored by TriService Nursing Research Program, San Diego, CA.
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- 2013 TSNRP Priorities, Overview of Grant Application, and Scientific Merit Review. Invited lectures and advised two students. **TSNRP Research Grant Camp**. Sponsored by TriService Nursing Research Program, San Diego, CA.
- 2011 TSNRP Priorities, Overview of the Grant Application Development Process, What is a Grant Application?, and Life Cycle of a TSNRP Grant Award. **Evidence-Based Practice Grant Camp**. Sponsored by TriService Nursing Research Program, San Antonio, TX.
- 2011 Sampling Methods and Subject Incentives. **Research Development Course**. Sponsored by TriService Nursing Research Program, San Diego, CA.
- 2010 What's a Grant Proposal and Military Relevance and Uniqueness. **Research Grant Camp I**. Sponsored by TriService Nursing Research Program, Bethesda, MD.
- 2010 Sampling Methods, Research Procedures, and Subject Incentives. **Research Development Course**. Sponsored by TriService Nursing Research Program, San Diego, CA and Landstuhl, Germany.
- 2001-2002 **Trauma Nurse Core Course**. Presented for the Defense Medical Readiness Training Institute, San Antonio, TX.

### **Regional**

- 2011 Pilot the Change. Presented at the TriService Nursing Research Program **Evidence-Based Practice Course**. Landstuhl, Germany.
- 2011 Evaluating Outcomes of the Change. Presented at the TriService Nursing Research Program's **Evidence-Based Practice Course**. Landstuhl, Germany.
- 2011 Framing the Problem. Presented at the TriService Nursing Research Program's **Evidence-Based Practice Course**. Landstuhl, Germany.
- 2011 Work Internal to the Team. Presented at the TriService Nursing Research Program **Evidence-Based Practice Course**. Landstuhl, Germany.

### **Local**

- 2003-2005 **Trauma Nurse Core Course**. Presented for the University of Kentucky Medical Center, Lexington, KY.
- 2003-2004 **Course in Advanced Trauma Nursing**. Presented for the University of Kentucky Medical Center, Lexington, KY.
- 2001 Pain Management. Presented a two-hour course for **Nurse Transition Students** at Keesler Medical Center.

- 2000-2002 **Basic Critical Care Course.** Taught numerous lectures to new critical care nurses at Keesler Medical Center.
- 2000-2002 **Advanced Cardiac Life Support.** Taught content about cardiac rhythm recognition, ventricular tachycardia, and ventricular fibrillation to health care personnel at Keesler Medical Center.
- 2000 **Advanced ECG Interpretation.** Taught a two-day course to health care personnel at Keesler Medical Center.
- 1998 ECG Changes Associated With Selected Drugs, Diseases, and Abnormal Electrolyte Levels. One hour lecture presented at symposium titled **Basic and Advanced ECG Interpretation and Analysis.** San Antonio, TX.
- 1998 **Basic Electrocardiogram / Rhythm Interpretation Course.** Three hour course presented to nurses and technicians at Wilford Hall Medical Center.
- 1997-1999 **Advanced Cardiac Life Support.** Taught content about cardiac rhythm recognition, ventricular tachycardia, ventricular fibrillation, and airway management/intubation to health care personnel at Wilford Hall Medical Center.
- 1997-1999 **12-Lead Electrocardiogram (ECG) Course.** Taught content about the normal ECG; infarct and ischemia patterns; and ECG changes associated with electrolyte imbalance, medications, and selected disease processes, Wilford Hall Medical Center.
- 1997 Hematologic System. Two hour class presented to students in the **Critical Care Achievement Program,** Wilford Hall Medical Center.
- 1997 Peripheral Vascular Disease / Aneurysms. One hour class presented to students in the **Critical Care Achievement Program,** Wilford Hall Medical Center.
- 1997 Families in Crisis. One hour class presented to students in the **Critical Care Achievement Program,** Wilford Hall Medical Center.
- 1996 **Advanced Cardiac Life Support.** Thirty minute lecture on pulseless electrical activity and asystole. Three hour lecture and group discussion on dysrhythmia recognition for health care personnel at Wilford Hall Medical Center.
- 1996 Disseminated Intravascular Coagulation. One hour class presented to students in the **Critical Care Achievement Program,** Wilford Hall Medical Center.
- 1996 Aneurysms. One hour class presented to students in the **Critical Care Achievement Program,** Wilford Hall Medical Center.

- 1995      **Advanced Cardiac Life Support.** Two six hour classes on refractory ventricular fibrillation and pulseless ventricular tachycardia content, and one three hour class on asystole content for health care personnel at Andrews Air Force Base, MD
- 1994      **Tuberculosis.** Four contact hour Infection Control lecture to more than 700 health care personnel at Offutt Air Force Base, NE.
- 1994      **Medication Administration.** Two hour presentation for medical technicians at Offutt Air Force Base, NE.
- 1992-1994      **Advanced Cardiac Life Support.** Multiple four hour classes on arrhythmia recognition, refractory ventricular fibrillation, and pulseless ventricular tachycardia content for health care personnel at Offutt Air Force Base, NE.

### **ACADEMIC RESPONSIBILITIES**

<b><u>Year</u></b>	<b><u>Title</u></b>	<b><u>Responsibilities</u></b>
2011-2014	Dean, US Air Force School of Aerospace Medicine	Established and executed training policies for all in-residence and distance learning students
2011-2014	Dean, US Air Force School of Aerospace Medicine	Managed Community College of the Air Force operations and adhered to requirements for affiliate schools
2011-2014	Dean, US Air Force School of Aerospace Medicine	Oversaw institutional accreditation for Graduate Medical Education programs
2011-2014	Dean, US Air Force School of Aerospace Medicine	Oversaw and maintained curriculum for more than 80 courses; reviewed and approved/disapproved Specialty Training Standards, Course Training Standards, and Education Plans; maintained all course control documents and training materials
2011-2014	Dean, US Air Force School of Aerospace Medicine	Managed training quotas, budget, course scheduling, administration of tests and progress checks, student logistics (e.g., transportation, lodging, dining, classroom scheduling) and academic transcripts/graduation certificates for 4,500 students/year

<b><u>Year</u></b>	<b><u>Title</u></b>	<b><u>Responsibilities</u></b>
2011-2014	Dean, US Air Force School of Aerospace Medicine	Executed Faculty Development and instructor evaluation programs; reviewed and approved/disapproved all nominations for Course Director, Instructor, Adjunct Faculty, and Master Instructor
2011-2014	Dean/Participant	Hosted multiple Utilization and Training Workshops
2011-2014	Chairperson	US Air Force School of Aerospace Medicine, Academic Review Board
2011-2014	Dean, US Air Force School of Aerospace Medicine	Oversaw Franzello Aeromedical Library

### **MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS**

#### **Membership**

American Nurses Association

The Council for the Advancement of Nursing Science

AMSUS – The Society of Federal Health Agencies

American Association of Heart Failure Nurses (AAHFN)

American Heart Association, Council on Cardiovascular Nursing (AHA)

Southern Nursing Research Society (SNRS)

Emergency Nurses Association (ENA)

American Association of Critical-Care Nurses (AACN)

#### **Offices Held**

Membership Committee  
2004-2005

Please see Leadership Activities in Professional Organizations Section below for national AACN committee membership and leadership roles at the national and regional levels.

Bluegrass Chapter  
Secretary 2004-2005

	Gulf Coast Magnolia Chapter Membership Chairperson 1999-2001
	San Antonio Chapter Past-President 1999
	San Antonio Chapter President 1998-1999
	San Antonio Chapter Symposium Committee 1997-1999
	San Antonio Chapter President-Elect 1997- 1998
	San Antonio Chapter Interim Secretary 1997
Sigma Theta Tau, International Honor Society of Nursing (STTI)	Delta Psi Chapter Scholarship Committee 2004-2005
	Pi Chapter Nominating Committee 1995
	Zeta Chi Chapter Nominating Committee 1987-1988

### **LEADERSHIP ACTIVITIES IN PROFESSIONAL ORGANIZATIONS**

2012-2014	<b>Invited Member</b> , American College of Chest Physicians (ACCP) Task Force that convened to expand and update an ACCP Consensus Statement: The Delivery of Mass Critical Care During a Disaster.
2012-2014	<b>Council on Cardiovascular Nursing Go Red for Women Task Force.</b>
2010-2011	<b>Research Abstract Review Panel</b> , American Association of Critical-Care Nurses.
2006	<b>Learning Connection Mentor for Darla Topley</b> , American Association of Critical-Care Nurses.
2005-2009	<b>American Association of Heart Failure Nurses Publication Task Force.</b>
2003-2004	<b>National Teaching Institute Workgroup</b> , American Association of Critical-Care Nurses.

2002-2003	<b>Board Learning Partner</b> , American Association of Critical-Care Nurses.
2001-2002	<b>Chapter Advisor, Region 12</b> , American Association of Critical-Care Nurses.
2000-2001	<b>Nominating Committee</b> , American Association of Critical-Care Nurses.
1998-1999	<b>Chapter Advisor, Region 15</b> , American Association of Critical-Care Nurses.
1996-1999	<b>Research Abstract Review Panel</b> , American Association of Critical-Care Nurses.
1997-1998	<b>Group of 100</b> , American Association of Critical-Care Nurses.
1997-1998	<b>Grass Roots Advisory Team</b> , American Association of Critical-Care Nurses.
1996-1998	<b>Board Advisory Team Member</b> , American Association of Critical-Care Nurses.

#### **COMMITTEE APPOINTMENTS**

2015-present	<b>Dean, Daniel K. Inouye Graduate School of Nursing Cabinet.</b> Uniformed Services University of the Health Sciences.
2014-present	<b>Daniel K. Inouye Graduate School of Nursing Extended Leadership Committee.</b> Uniformed Services University of the Health Sciences.
2011-2014	<b>Executive Committee</b> , United States Air Force School of Aerospace Medicine, Wright-Patterson Air Force Base, OH.
2011-2014	<b>Resource Working Group</b> , United States Air Force School of Aerospace Medicine, Wright-Patterson Air Force Base, OH.
2011-2014	<b>Equipment Review and Authorization Activities Committee</b> , United States Air Force School of Aerospace Medicine, Wright-Patterson Air Force Base, OH.
2011-2014	<b>Force Development Panel</b> , Air Force Medical Service.
2011-2014	<b>Education and Training Committee</b> , Air Force Medical Service.
2011-2014	<b>Air Force Nurse Corps Executive Committee</b> , Air Force Medical Service.
2009-2010	<b>DoD Undergraduate Nurse Training Program Committee.</b>
2008-2009	<b>Co-Chairperson</b> , Joint Program Committee for Battle Injury Prevention, US Army Medical Research and Materiel Command.
2005-2008	<b>Nurse Executive Committee</b> , Wilford Hall Medical Center, Lackland Air Force Base, TX.

2005-2008 **Institutional Animal Care and Use Committee**, Wilford Hall Medical Center, Lackland Air Force Base, TX.

2005-2008 **Institutional Review Board**, Wilford Hall Medical Center, Lackland Air Force Base, TX.

2005-2006 **Simulation Committee**, Wilford Hall Medical Center, Lackland Air Force Base, TX.

2001-2002 **Hospital Pain Committee**, Keesler Medical Center, Keesler Air Force Base, MS.

2000-2002 **Nursing Standards and Practice Committee**, Keesler Medical Center, Keesler Air Force Base, MS.

1999-2002 **Special Care Committee**, Keesler Medical Center, Keesler Air Force Base, MS.

1999-2002 **Life Support Committee**, Keesler Medical Center, Keesler Air Force Base, MS.

1998-1999 **Latex Quality Improvement Process Action Team**, Wilford Hall Medical Center, Lackland Air Force Base, Texas.

1996-1997 **Nursing Research Committee**, Wilford Hall Medical Center, Lackland Air Force Base, Texas.

1996-1998 **Advanced Practice Nurse Committee**, Wilford Hall Medical Center, Lackland Air Force Base, Texas.

1994 **Needleless Intravenous Committee**, Ehrling Bergquist Hospital, Offutt Air Force Base, NE.

1992-1994 **Tuberculosis Committee**, Ehrling Bergquist Hospital, Offutt Air Force Base, NE.

1993-1994 **Nursing Services Committee**, Ehrling Bergquist Hospital, Offutt Air Force Base, NE.

1993-1994 **Pharmacy and Therapeutics Committee**, Ehrling Bergquist Hospital, Offutt Air Force Base, NE.

1992-1994 **Infection Control Committee**, Ehrling Bergquist Hospital, Offutt Air Force Base, NE.

1992-1994 **Safety Committee**, Ehrling Bergquist Hospital, Offutt Air Force Base, NE.

1990-1992 **Nursing Quality Assurance/Improvement Committee**, Ehrling Bergquist Hospital, Offutt Air Force Base, NE.

## **CERTIFICATION AND LICENSURE**

<b><u>Certification Board</u></b>	<b><u>Date</u></b>	<b><u>Number</u></b>
<b>Registered Nurse</b> , Texas Board of Nursing	1996-present	740410
<b>CCNS Certification</b> , American Association of Critical-Care Nurses	2000-present	0140320
<b>CCRN Certification</b> , American Association of Critical-Care Nurses	1997-2009	
<b>Certified Emergency Nurse</b> , Emergency Nurses Association	1997-2005	

## **COMMUNITY ACTIVITIES**

2012-2014	<b>Choir Member</b> , South Dayton Presbyterian Church.
2009	<b>Coordinated Service Project, Hope Alive</b> , Sabillasville, MD.
2009-2011	<b>Missions Committee</b> , Faith Reformed Presbyterian Church, Frederick, MD.
2009	<b>Science Fair Judge</b> , New Life Christian School, Frederick, MD.
2008	<b>Volunteer</b> , Special Olympics Maryland.
2007	<b>Volunteer</b> , Hearts for Baghdad, Baghdad, Iraq.
2005	<b>Volunteer</b> , Angel Tree Ministry, San Antonio, TX.
2004-2005	<b>Neighborhood Leader</b> , American Heart Association, Lexington, KY.
2004	<b>Central Kentucky American Heart Walk</b> , Lexington, KY.
2003-2004	<b>Medical Volunteer</b> , Rolex Equestrian Event, Lexington, KY.
2002	<b>Neighborhood Leader</b> , American Heart Association, Ocean Springs, MS.
2001	<b>Team Leader</b> , Gulf Coast American Heart Association Walk, Gulfport, MS.
1999	<b>Volunteer for Christmas Angel Tree Project</b> , Biloxi, MS.
1999	<b>Blood Pressure and Stroke Screening Project</b> , Ingram Mall, San Antonio, TX.
1997-1999	<b>Substitute Sunday School Teacher and Nursery Volunteer</b> , Grace Orthodox Presbyterian Church.

1997        **Referee**, Lackland Youth Center basketball program.

1995        **Citizens on Patrol**, Queen Anne Village, Owings Mills, MD.

1994        **Neighborhood coordinator, American Heart Association Fund Drive.**

1993        **Neighborhood participant, American Cancer Society Fund Drive.**

1990        **Volunteer, Special Olympics Nebraska.**