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Learning to Care for Those in Harm's Way

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**On the cover**

Several sculptures and molds for prostheses created by the Maxillofacial Prosthetics Department at the Naval Postgraduate Dental School. Molds for a prosthesis can be made either through traditional plaster casts, or through 3D modeling. Once a mold has been created, prosthodontists are able to work with the patients to customize the finished products to best serve the patient. (Photo by Christopher Austin)

Graduate School of Nursing Welcomes New Associate Dean for Faculty Affairs

By Sharon Holland

Dr. Lynette Hamlin joined the faculty of the Uniformed Services University of the Health Sciences Graduate School of Nursing (GSN) as the new associate dean for Faculty Affairs. Hamlin, who was selected following a nationwide search led by GSN Ph.D. program director Dr. Penny Pierce, began her new duties August 8, 2016.

Hamlin has extensive experience as an advanced practice nurse, educator, faculty mentor and coach at multiple universities (Yale University, University of New Hampshire, University of South Carolina Upstate, St. Joseph's College in Maine). She has held a number of different faculty appointments, including dean, associate dean, department chair and program director, and has worked as a consultant with several nursing programs. Dr. Hamlin has significant expertise in new faculty orientation, long-term faculty development, and faculty mentoring in the promotion and tenure process, including guiding faculty with their scholarship trajectories.

“Dr. Hamlin is exceptionally qualified for this role. She received a Bachelor of Science in Nursing and a Master of Science in Nursing as a maternal-child clinical nurse specialist from Loyola University of Chicago, a post-master’s certificate in nurse-midwifery from the University of Illinois at Chicago, and a Ph.D. in nursing with a minor in public administration from the University of Wisconsin-Milwaukee. She holds national certifications in Nurse Midwifery, in Continuing



Dr. Lynette Hamlin was named the new associate dean for Faculty Affairs. (Photo by Tom Balfour)

Competency Assessment and in Healthcare Risk Management, and is a Fellow in the American College of Nurse Midwives. Her scholarly work focuses on access to care for women,” said GSN Dean Dr. Carol Romano.

Hamlin has presented and published extensively, contributed two textbooks on the context of care and professional issues in advanced practice nursing, directed several research and training grants, and significantly contributed to women’s health policy.

“I want to acknowledge the outstanding work of Dr. Matthew D’Angelo in serving as interim associate dean, and thank Dr. Penny Pierce and the members of the search committee for their diligence in identifying outstanding candidates for this position,” Romano said.

GSN Alumna Named New FSU CRNA Program Administrator

By Sharon Holland

Air Force Lt. Col. Stacey VanDyke, adjunct assistant professor and alumna of the Uniformed Services University of the Health Sciences (USU) Daniel K. Inouye Graduate School of Nursing (GSN), has been selected as the new Master of Sciences in Nurse Anesthesia program administrator at the Florida State University Panama City College of Applied Studies. Randy Hanna, interim dean of the College, made the announcement August 8, 2016.

“Dr. VanDyke has proven herself as a distinguished educator,” said Hanna. “Throughout her nursing and military career, she has demonstrated strong leadership and organizational skills that will be a great asset to our nurse anesthesia students.”

VanDyke, who earned her Master of Science in Nursing degree from the GSN’s nurse anesthesia program in 2006, is currently serving as the director of the nurse anesthesia clinical residency training program at Eglin Hospital, Eglin Air Force Base, Fla. She will retire from the Air Force later this year.

“Lt. Col. VanDyke is an established clinician, and exemplary educator with superior leadership qualities. Her professionalism and leadership have left a strong legacy in the Air Force’s Nurse Anesthesia education community,” said Air Force Lt. Col. Jonathan Casey, adjunct assistant professor and assistant site director at Eglin Hospital for USU’s nurse anesthesia program.

VanDyke earned her bachelor’s degree in nursing from Jacksonville State University in Jacksonville, Ala., in 1994 and her Doctor of Nurs-

ing Practice from the University of Alabama at Birmingham in 2013. Throughout her 20-year career in the Air Force, VanDyke has served in clinical, teaching and research positions, including serving as a member of an Air Force Critical Care Air Transport Team during Operations Southern Watch/Enduring Freedom, chief nurse anesthetist and chief of anesthesia services at the U.S. Air Force Academy hospital, research director for nurse anesthesia clinical training at Wright-Patterson Air Force Base, Ohio, and as a deployed nurse anesthetist with the 332 Expeditionary Medical Group in Balad, Iraq, where she trained Special Forces medics in advanced airway techniques and provided anesthesia and trauma care to more than 250 patients undergoing more than 400 procedures.

“I am looking forward to this challenge, but I will never really leave my USU family. The attention placed on faculty development within our university, leadership within the RNA program, and working with veterans from all over our nation has prepared me for a career in academia,” VanDyke said. “I am forever grateful to my many mentors,



Air Force Lt. Col. Stacey VanDyke, adjunct assistant professor and alumna of the Uniformed Services University of the Health Sciences (USU) Daniel K. Inouye Graduate School of Nursing (GSN) is the new Master of Sciences in Nurse Anesthesia program administrator at the Florida State University Panama City College of Applied Studies. (Photo by Tom Balfour)

but especially to retired Col. Bruce Schoneboom, retired Lt. Col. Adrienne Hartgerink, Lt. Col. Kathy Alguire, and Cmdr. Justice Parrott for fostering my potential in education. I am looking forward to the opportunity to work more closely within the community.”

Former USU Nurses Named AAN Living Legends

By Sharon Holland

Two internationally-known nurses with ties to the Uniformed Services University of the Health Sciences (USU) have been named living legends by the American Academy of Nursing.

Dr. Ann Wolbert Burgess, a professor of psychiatric nursing at Boston College, was chosen for the honor based on her work as a pioneer in the assessment and treatment of victims of sexual violence and trauma. Burgess served as a consultant in USU's Daniel K. Inouye Graduate School of Nursing (GSN) to help develop the inter-professional Military Sexual Assault course for providers. She is a co-founder of one of the first hospital-based crisis counseling programs, which introduced Rape Trauma Syndrome into scientific literature. She has worked with the FBI to study links between child abuse, juvenile delinquency, and subsequent perpetration. Her current research on elder abuse in nursing homes and mil-

itary sexual trauma continues to influence public policy.

Dr. Colleen Conway-Welch, former dean of Vanderbilt University's School of Nursing for 28 years and a former member of USU's Board of Regents from 2006-2010, was selected as a living legend for her profound contributions to the nursing profession, health education and public policy through her research, scholarship, and visionary leadership. Conway-Welch served on President Reagan's 1988 Commission on HIV, the 1998 National Bipartisan Commission on the Future of Medicare, and



Dr. Colleen Conway-Welch, former dean of Vanderbilt University's School of Nursing and USU Board of Regents has been named a living legend by the American Academy of Nursing. (Photo by Tom Balfour)

the 2002 DHHS Advisory Council on Public Health Preparedness. She is a founder and former president of the Friends of the National Institute for Nursing Research.

Burgess and Conway-Welch join Dr. Ada Sue Hinshaw, dean emerita of the GSN in earning the prestigious living Legend designation. They will officially receive the honor during the AAN's annual policy conference in Washington, D.C., on October 20.

"The GSN is proud to recognize and honor these nursing leaders who have shared their expertise with our University and with the nation," said Dr. Carol Romano, GSN dean. "They provide rich role models for our future generation of military nurse leaders."



Dr. Ann Wolbert Burgess, a professor of psychiatric nursing at Boston College, has been named a living legend by the American Academy of Nursing. (Photo by Josh Levine)

Maxillofacial Prosthodontists Restore Patient Confidence

By Christopher Austin



Navy LCDR Laleh Abdolazadeh, Chair of Maxillofacial Prosthetics at the Naval Postgraduate Dental School and Navy Specialty Leader for Maxillofacial Prosthetics and Dental Implants, holds a 3-d printed model for a nose and radiation treatment wax bolus made using digitally printed models (Photo by Christopher Austin)

Faculty from the Uniformed Services University of the Health Sciences (USU) Postgraduate Dental College (PDC) are aiding service members and their families as part of the military's Maxillofacial Prosthetics programs at the Naval Postgraduate Dental School (NPDS) in Bethesda, Md., and the Air Force Postgraduate Dental School (AF-PDS) in San Antonio, Texas.

Maxillofacial prosthetics is a subspecialty of prosthodontics that is dedicated to the treatment and management of patients with head and neck defects caused by traumatic injuries, surgical removal of cancer, or birth anomalies. The role of a maxillofacial prosthodontist is to replace and restore these missing structures and their functions by way of artificial substitutes, according to Navy Lt. Cmdr. Laleh

Abdolazadeh, chair of the Maxillofacial Prosthetics department at the NPDS and Navy specialty leader for maxillofacial prosthetics and dental implants.

"The importance of the specialty is that [maxillofacial prosthodontists] work very closely with the medical, surgical and treatment planning teams to plan and provide a finished prosthesis best suited to return form and function to the patients after medical and/or surgical care has been completed," said Dr. Thomas Schneid, executive dean of USU's PDC. "They're the dental specialists who restore the patient's facial aesthetics, giving them the confidence to, once again, go out in public without being self-conscious about their appearance."

In addition to developing prostheses for patients, maxillofacial prosthodontists also create radiation shields for cancer treatment, surgical guides for dental implants, and models of patient's anatomy to aid in surgical treatment planning.

"We get to work with folks who are going through a real challenging time in their lives, and to see them overcome huge obstacles... where they can return and interact with their families is really inspiring," Air Force Col. Jose Villalobos, program director for the Maxillofacial Prosthetics fellowship at Joint Base San Antonio, Texas. "It's hard to put into words sometimes. I think many times we're able to have a degree of success only because of the ability of these patients to adapt to devices and prosthetics that we can provide."

Villalobos went on to describe one such patient the department is currently helping by creating an anatomically accurate model of the

patient's skull and the tumor within it to aid medical specialists in planning surgical procedures. The department will also provide a proposed reconstruction that they fabricate virtually to help with the patient's recovery.

Those in the field have found the challenge it provides to be rewarding as well.

"This is the most rewarding career that I can possibly think of. If one chooses prosthodontics as a specialty, they should also pursue maxillofacial prosthetics," Abdolazadeh said. "The subspecialty of maxillofacial prosthetics challenges the prosthodontist in every way and fosters creative thinking utilizing the science and foundation of prosthodontics. Overcoming these challenges gives him or her the confidence to become a 'bullet-proof' prosthodontist. No matter how challenging the task, a maxillofacial prosthodontist would always find a way to address it."

According to Abdolazadeh, a maxillofacial prosthodontist provides perspective on formulating a comprehensive treatment plan with the end result in mind. She would like to increase awareness on the role of a maxillofacial prosthodontist as a member of a multidisciplinary treatment team.

"It is essential that the maxillofacial prosthodontists be involved from the diagnostic stages of treatment all the way through to the reconstruction phase," She continued. "Our input and recommendations during the initial treatment planning would impact the long term prognosis of a prosthetic reconstructive effort, and consequently, the patient's quality of life."

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While the department still makes use of plaster casts and sculpting in the development of prostheses, new technology like 3D rendering programs and 3D printing is being integrated into the process.

"I'm really passionate about this specialty because I've seen the good that it has done. The interesting thing is that I trained in this area back in the early '90s when many of our patients were being treated as the result of trauma not related to war injuries, head and neck cancer, or because they had developmental problems such as cleft lip or palate," Schneid said. "The same kind of treatment we provided for those patients helped us develop the skills to treat the wounded warriors with traumatic head and neck injuries."

The AFPDS and NPDS also offer residencies to those in the military studying to be prosthodontists. Those prosthodontics residencies are affiliated with the PDC and their graduates earn a Master of Science Degree in Oral Biology from USU. Prosthodontics residents from the two schools rotate through their respective maxillofacial prosthetics department, giving them valuable exposure to criti-

cal wartime specialty. To be eligible to apply for training in maxillofacial prosthetics, dentists must first complete a prosthodontics residen-

cy. Application for these military programs can be submitted through their respective service Dental Education departments.

Japanese nursing students learn disaster preparation at Val G. Hemming Simulation Center

By Christopher Austin



Nursing students visiting from Japan as part of the Tomodachi Johnson & Johnson Disaster Nursing Training Program feel the pulse of a mannequin used to train USU students at the Val G. Hemming Simulation Center. (Photo by Christopher Austin)

Twelve nursing students and four mentors from Iwate, Miyagi and Fukushima, Japan visited the Val G. Hemming Simulation Center (SimCen) at the Uniformed Services University of the Health Sciences (USU) on Aug. 17 to learn about disaster medicine.

The visit was the last part of a two-week trip by the nursing students to the U.S. as part of the Tomodachi Johnson & Johnson Disaster Nursing Training Program, a three-year commitment to exchanging disaster medicine education in response to

the Great East Japan Earthquake of 2011. The nursing students come from regions directly impacted by the earthquake. The annual exchange began last year.

While at the SimCen, the students got to see the Wide Area Virtual Environment (WAVE), clinical simulation area and the high fidelity simulators used by USU students in exercises. The visit ended with a mini disaster preparedness exercise and a reflection on what the students had learned during their experience in the U.S.

"We took a long time thinking about how to make the experience meaningful. We knew there were language barriers and while

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Col. Jose Villalobos (left), 59th Dental Group maxillofacial prosthetics program director, and Maj. Stephen Cherrington (center), 59th Dental Group maxillofacial prosthodontist, discuss retired Army Master Sgt. Todd Nelson's new prosthetic ear at the San Antonio Military Medical Center, Joint Base San Antonio-Fort Sam Houston, Texas, June 28. (U.S. Air Force photo/Staff Sgt. Kevin Iinuma)

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there are translators available, that significantly affects activity,” said Dr. Heather Johnson, a retired Air Force Lieutenant Colonel and acting chair of the Family Nurse Practitioner and Women’s Health Nurse Practitioner programs in the Daniel K. Inouye Graduate School of Nursing (GSN). “We decided we would avoid giving a PowerPoint presentation and try something interactive that pulls together their personal experiences and the education they received on the trip. We really wanted something engaging and interesting that would translate to undergraduate nursing students and their faculty.”

Johnson, together with re-

tired Air Force Col. (Dr.) Charles Beadling and Dr. Kevin Riley of USU’s Center for Global Health Engagement (CGHE), and Dr. Jill Schramm and Air Force Maj. Wanda Hoggard from the GSN, represented USU during the visit.

After the tour of the SimCen, the nursing students shared what they had learned during their time in the U.S.

“The takeaway is for us to continue to support and strengthen U.S. and Japanese relationships,” Riley said. “These are medical responders. They respond to the same disasters that our forces do. The more opportunity to work with them, either in school or as health professionals, that’s money in the bank.”

The commitment for the disaster nursing training program ends in 2017 but members of the CGHE and National Children’s Medical Center have expressed interest in continuing the program beyond that.

“Last year, USU only had one half-day with the students. This year we hosted them for the entire day. Because the nursing students only have one week in New York and one week in Washington, D.C., it would be difficult to expand the role of USU beyond a full day,” Beadling said. “However, it would be great if next year we could incorporate an earthquake disaster exercise using the full technical capabilities of the SimCenter.”

New Biomarkers to Diagnose Traumatic Brain Injury

Courtesy Article

A collaborative team of scientists from the Uniformed Services University of the Health Sciences (USU), along with their colleagues from the University of Florida (UF) and Orlando Regional Medical Center (ORMC), have identified a panel of small RNA molecules which could potentially be used to diagnose mild traumatic brain injury (TBI).

TBI is a leading cause of injury-related death and disability in the U.S. Statistics show that TBI is a problem with an increasing number of cases of civilians, professional athletes and military service members. In the U.S., there are more than 1.3 million emergency room visits annually related to TBI. While diagnosis of severe TBI is self-evident, however, mild TBI is often difficult to diagnose. Mild TBI can be particularly challenging to diagnose in patients with other life-threatening injuries where the primary focus is

survival of the patient. Neurobehavioral assessment and imaging methods, such as CT scans and MRI, are currently being used to detect TBI. However, these evaluations are not sensitive enough to diagnose mild TBI. At present, there are no FDA-approved biomarkers which can accurately diagnose the extent of a brain injury.

In a recently published article in *Scientific Reports*, the USU research team from the Department of Pathology comprised of Dr. Manish Bhomia, Dr. Nagaraja Balakathiresan and the late Dr. Radha K. Maheshwari, along with UF’s Dr. Kevin Aong and ORMC’s Dr. Linda Papa, identified a panel of microRNAs which show promise in detecting mild to severe TBI.

MicroRNAs are small, genetic molecules and are important regulators of biological activities inside a living cell. The research team investigated the presence of these small RNA molecules in blood samples from patients who suffered mild

to severe brain injury and compared these results with blood from healthy volunteers. The investigators validated their findings by testing the presence of these biomarkers in the cerebrospinal fluid of the patients who sustained a severe TBI. The team concluded that the panel of microRNAs was specifically present at a higher concentration in the blood of the patients who suffered a TBI and, therefore, could potentially be used as a biomarker for diagnosing TBI.

This important finding could be helpful in identifying a clinically reliable diagnostic biomarker for mild to severe TBI. The use of microRNAs as biomarkers of TBI is very unique because microRNAs are very stable biomolecules with a long half-life that can be easily quantitated in blood. This study lays a path for the development of a novel microRNA-based blood diagnostic test for TBI.

Lichtenberger Named Staff Physician Teacher of the Year

By Sharon Holland



Air Force Maj. John Lichtenberger (right) presents his research poster on 3D printing for prosthetics at the recent Military Health System Research Symposium, along with co-author Dr. Peter Liacouras (left) from Walter Reed National Military Medical Center (WRNMMC). Lichtenberger was named the 2016 WRNMMC Staff Physician Teacher of the Year. (Photo by Sarah Marshall)

Air Force Maj. (Dr.) John Lichtenberger, an assistant professor in the Uniformed Services University of the Health Sciences (USU) Department of Radiology and Radiological Sciences, was selected as the 2016 Walter Reed National Military Medical Center (WRNMMC) Staff Physician Teacher of the Year.

Nominations for this annual award come from WRNMMC's more than 600 house staff. The award is then presented at the National Capital Consortium commencement exercise for graduating interns, residents, and fellows who have completed training in one the NCC postgraduate medical education programs.

Lichtenberger, who gradu-

ated from USU's F. Edward Herbert School of Medicine (SOM) in 2005, also serves as the co-director of the Radiology pre-clerkship course, a frequent faculty member for SOM modules or small groups, a USU faculty senator, an associate program director for the NCC diagnostic radiology residency, and chief of the 3-D Medical Applications Service and Cardiac MRI at WRNMMC.

"Maj. Lichtenberger's work as a clinician, educator and innovator at WRNMMC personifies the goal of 'Unity of Effort.' The fact that the house staff selected him as their staff physician of the year underscores the powerful and mutually beneficial partnership that has de-

veloped between USU and WRNMMC, Fort Belvoir Community Hospital and increasingly, elements of the National Capital Region Medical Directorate," said SOM Dean Art Kellerman, M.D., MPH.

"It's an honor to serve as a faculty member at USU and WRNMMC under Drs. Kellerman and [Radiology department chair Vincent] Ho. They have provided incredible opportunities to their faculty and an infrastructure of excellence, integration and cooperation that benefits the Academic Health System. I hope to continue to contribute to this unified effort," said Lichtenberger.

Faculty Receive Dean's Impact Award for Outstanding Contributions

By Sharon Holland

Forty-seven faculty members from the F. Edward Hebert School of Medicine (SoM) at the Uniformed Services University of the Health Sciences (USU) were recognized for outstanding contributions to the academic mission of the SoM and the University.

Dr. Arthur Kellermann, dean of the SoM, established the Dean's Impact Awards program to reward faculty members who made notable contributions in the prior year to the SoM, USU and the Military

Health System.

Department chairs may nominate as many faculty members as they choose – from their department or any other SoM department – by submitting a short statement and a copy of the faculty member's performance rating (civilian), faculty outlines and matrix scores. The nomination process is kept secret from the nominees. The dean, supported by an advisory group, reviews the nominations and determine the awardees.

Recipients of the Dean's Impact Award receive a certificate, public

recognition, and civilian faculty receive a monetary bonus, if funds are available. Military faculty who are selected for the honor may elect to receive an award of preferential conference attendance or special leave/liberty. The number of annual award winners is equal to 10-15% of the faculty and is generally allocated by academic rank.

This year's Dean's Impact Award recipients include:

- Mr. Edward Jones, instructor, Department of Anatomy, Physiology and Genetics
- Dr. David Bartoszek, assistant professor, Department of Neurology
- Dr. Diane Borst, research assistant professor, Department of Anatomy, Physiology and Genetics
- Dr. Yang "Dennis" Du, assistant professor, Department of Pediatrics
- Dr. Thomas Flagg, assistant professor, Department of Anatomy, Physiology and Genetics
- Army Col. Christopher Gellasch, assistant professor, Department of Preventive Medicine and Biostatistics
- Ms. Althea Green-Dixon, assistant professor, Department of Recruitment and Admissions
- Dr. Arlene Hudson, assistant professor, Department of Anesthesiology
- Dr. Brent Lechner, clinical assistant professor, Department of Pediatrics
- Air Force Maj. (Dr.) John Lichtenberger, assistant professor, Department of Radiology
- Dr. Andrew Snow, assistant professor, Department of Pharmacology
- Dr. Barton Staat, assistant professor, Department of Obstetrics and Gynecology
- Army Lt.Col. Ronald Whalen, assistant professor, Department of Family Medicine
- Dr. Ellen Chung, associate professor, Department of Radiology
- Dr. Annesley Copeland, associate professor, Department of Surgery
- Dr. Clifton Dalgard, associate professor, Department of Anatomy, Physiology and Genetics
- Dr. Stephen Davies, associate professor, Department of Microbiology and Immunology
- Dr. Saibal Dey, associate professor, Department of Biochemistry
- Dr. Gary Gackstetter, associate professor, Department of Preventive Medicine and Biostatistics
- Army Col. (Dr.) Melissa Givens, associate professor, Department of Military and Emergency Medicine
- Public Health Service Cmdr. Jeffrey Goodie, associate professor, Department of Medical and Clinical Psychology
- Dr. William Kelly, associate professor, Department of Medicine
- Dr. Ryan Keneally, associate professor, Department of Anesthesiology
- Dr. Jeffrey Leggit, associate professor, Department of Family Medicine
- Army Col. (Dr.) Frederick Lough, associate professor, Department of Surgery

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Boston Police Commissioner praises USU, Simulation Center

By Sharon Holland

The Uniformed Services University of the Health Sciences and its Val G. Hemming Simulation Center (SimCen) were lauded for their support of the “Full Scale Complex Operating Training Environment” exercise at Fenway Park in Boston, June 12, 2016.

The exercise was a collaborative effort between the Boston Police Department, Boston Red Sox, Department of Homeland Security’s Science and Technology Office, the U.S. Army Armament, Development, Research and Engineering Center, and the National Counterterrorism Center to assess an emer-

gency response to a realistic large venue scenario involving a complex terrorist attack with multiple simultaneous strikes, injuries and implications.

Eric Singdahlsen, who serves as a moulage artist and simulation expert at the SimCen, was invited to participate in the event by the Office of the Director of National Intelligence through the Department of Homeland Security. Singdahlsen provided technical assistance and simulation advice to the event planners and provided on-scene moulage expertise.

William B. Evans, commissioner for the Boston Police Department,

praised Singdahlsen and USU for assistance with the event.

“I am grateful for your efforts and the support of the Uniformed Services University of the Health Sciences, who provided and applied all of the moulage for this exercise. You kindly went above and beyond in your application of all of the moulage for the injuries included in the exercise, giving an incredible, undeniably realistic edge to the event,” Evans said. “We are grateful for the resources you brought to this exercise and your continued partnership with the Boston Police Department in the future.”

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- Dr. John McManigle, associate professor, Department of Military and Emergency Medicine
- Dr. David Mears, associate professor, Department of Anatomy, Physiology and Genetics
- Dr. Edward Mitre, associate professor, Department of Microbiology and Immunology
- Dr. Brian Neubauer, associate professor, Department of Medicine
- Dr. Thomas Newton, clinical associate professor, Department of Pediatrics
- Dr. Martin Ottolini, associate professor, Department of Medical Education
- Navy Cmdr. (Dr.) James Palma, associate professor, Department of Military and Emergency Medicine
- Dr. Kathleen Pratt, associate professor, Department of Medicine
- Navy Cmdr. (Dr.) Adam Saperstein, associate professor, Department of Family Medicine
- Dr. Louise Teel, associate professor, Department of Microbiology and Immunology
- Dr. Lara Varpio, associate professor, Department of Medicine
- Air Force Col. (Dr.) Catherine Witkop, associate professor, Department of Preventive Medicine Biostatistics
- Navy Cmdr. Anthony Artino, professor, Department of Medicine
- Dr. Maria Braga, professor, Department of Anatomy, Physiology and Genetics
- Dr. Christopher Broder, professor, Department of Microbiology and Immunology
- Dr. Patricia Deuster, professor, Department of Military and Emergency Medicine
- Dr. Paul Hemmer, professor, Department of Medicine
- Dr. Tomoko Hooper, profes-
- Dr. John McManigle, associate professor, Department of Preventive Medicine and Biostatistics
- Navy Capt. (Dr.) Barbara Knollman-Ritschel, professor, Department of Pathology
- Dr. Galina Petukhova, professor, Department of Biochemistry
- Dr. Eric Schoomaker, professor, Department of Military and Emergency Medicine
- Army Col. (Dr.) Craig Shriver, professor, Department of Surgery

“The individuals on this list distinguished themselves in the past year in a wide variety of ways – outstanding teaching, scholarship, service, or a combination of all three,” said Kellermann. “What they share in common is high impact on the mission of America’s Medical School. I am grateful for their contributions and pleased that their chairs and I can recognize them in this way.”

Final Frame



Ronaldo Valdez (left) demonstrates Muay Thai with Army Spec. Dennis Aguilar at Uniformed Services University of the Health Science's (USU) Diversity Day celebration on Aug. 11. The celebration saw a gathering of the varied cultures that make up the USU community through cuisine and dance. (Photo by Tom Balfour)