

## AsMA Constituent Organization Presidents for 2020–2021

*Due to the COVID-19 pandemic, some of our constituent organizations have opted not to change leadership this year. Others transitioned to new leadership in May, as usual, and a few will wait until they meet virtually this summer (AMSRO) or hopefully in October (ASAMS and Society of NASA Flight Surgeons) during the postponed AsMA 91st Annual Scientific Meeting to announce their incoming presidents.*

### Hosegood Continues as IAMA President

Ian Hosegood, MBBS, FRACGP, FRACMA, FACAsM, DA<sub>v</sub>Med, PGDipOEM, will continue as President of the International Airline Medical Association (formerly the Airlines Medical Directors Association). The organization dedicated to postpone their election and induction of new officers until 2021 due to concerns over Covid-19 and its impact on the airline industry. Dr. Hosegood is the Director of Medical Services with Qantas Airways Limited based in Sydney, Australia. He is a Board member on the Australasian Society of Aerospace Medicine (ASAM) and the Australasian Medical Review Officer Association (AMROA). He is also an AMROA faculty member and holds an academic position with the Bond University



Aeromedical Program. Ian has a particular interest in the occupational medicine challenges of the aviation industry including fitness for duty, fatigue risk management (FRMS), alcohol and other drug misuse, aircraft air quality issues and aircrew occupational exposure to cosmic radiation. His full biography can be found in the June 2019 issue of *Aerospace Medicine and Human Performance* [Aeros Med Hum Perform 2019; 90:(6): 593.]

### Flarity Continues as ANAHPS President

Kathleen Flarity DNP, Ph.D., CEN, CFRN, FAEN, continues as President of the Aerospace Nursing and Allied Health Professionals Society (ANAHPS). Currently, Brig. Gen. Flarity is the Deputy Director of the CU Anschutz Center for COMBAT Research. Additionally, she is the Mobilization Assistant to Command Surgeon, Air Mobility Command, Scott AFB, IL. She is an experienced nurse practitioner, emergency, and critical care flight nurse with over 38 years of military service. She is a Visiting Associate Clinical Professor in Emergency Medicine at the University of Colorado College of Medicine, Aurora, CO.



Brig. Gen. Flarity received her BSN from Coe College, Cedar Rapids, IA in 1998, and her MSN from the University of Washington, School of Nursing, Seattle, WA in 1992. She earned a Master's of Science in Nursing in 1997 and went on to earn two Doctorates, a Doctorate of Education from Kennedy Western University in California in 2002, and a Doctorate of Nursing Practice in 2012 from Frontier Nursing University in Kentucky.

Brig. Gen. Flarity began her military career as an Army medical specialist in 1980 and received a commission in the U.S. Army Reserve in 1988. She deployed to Saudi Arabia in support of Operations Desert Shield and Desert Storm in 1991. In 1995, she transferred to the Air Force Reserve, 446th Aeromedical Evacuation Squadron, McChord Air Force Base, WA. From 2005 to 2008 she served on the Air Staff as an Individual Mobilization Augmentee to the Director of Air Force Nursing Services and Consultant for Air Expeditionary/Readiness, HQ Air Force

Washington, DC. In 2008 she was selected as the first Commander of the 34th Air Evacuation Squadron at Peterson AFB, CO. In 2011 she deployed as Commander, 455th Expeditionary Aeromedical Evacuation Squadron, Bagram, Afghanistan. She then served as the 302d Aeromedical Staging Squadron Commander, Peterson AFB, CO. She served as a Mobilization Assistant at Headquarters U.S. Air Force from 2013–2017.

Brig. Gen. Flarity's honors include the American Academy of Nurse Practitioners State Award for Excellence from Washington state, being inducted as a Fellow in the ENA's Academy of Emergency Nursing, being selected as a Distinguished Nursing Alumni for Pacific Lutheran University, the Nightingale Award for Nursing Leadership from Colorado, and receiving the Nurse Researcher Award from the Emergency Nurses Association. Her military honors include the Air Force Commendation Medal with two oak leaf clusters, the Aerial Achievement Medal, the Air Medal, the Meritorious Service Medal, and the Legion of Merit. She is a member a variety of associations, including the Society of Air Force Nursing, Association of Military Surgeons of the United States, the American Academy of Nurse Practitioners, the Air and Surface Nurses Association, and Washington State Emergency Nurses Association (ENA), where she was President in 1998. She has served on the Board of Directors for the Journal of Emergency Nursing, the Board of Certification for Emergency Nursing, the ENA National Board of Directors, and Chair of the Board of Directors for the Academy of Emergency Nursing.

A prolific author and educator, she has published both research and non-research articles and presented papers at over 30 conferences. She has also served as a manuscript reviewer for four journals and on the Editorial Board for the *Advanced Emergency Nursing Journal*.

### Fondy is Society of U.S. Army Flight Surgeons President

COL Susan Fondy, MC, USA, is president of the newly reorganized Society of U.S. Army Flight Surgeons, which merged with the Army Aviation Medical Association this year and became the U.S. Army's constituent organization in AsMA. She has just recently been promoted to become the Chief Surgeon of the



U.S. Army National Guard, National Guard Bureau, Arlington, VA. She is also a Member-at-Large on the Council of AsMA, the chair of the Education and Training Committee and a member of several other committees within AsMA.

COL Fondy received her Bachelor of Science in 1989 from the State University of New York, Binghamton. She earned her M.D. from the State University of New York at Stony Brook School of Medicine in 1994. She then did her Pediatric residency in 1997 at the Medical College of Virginia, Richmond. She received her Master of Public Health in 2011 from UTMB, Galveston. She did her

Aerospace Medicine Residency at the Naval Aeromedical Institute, Naval Air Station Pensacola, Pensacola, FL.

COL Fondy served three tours in Afghanistan including: Brigade Surgeon, 10th Sustainment BDE, 10th MTN DIV (LI), Fort Drum, NY, and Bagram, Afghanistan 2004–2007; Battalion Flight Surgeon, 1-101st Combat Aviation Brigade, 101st Airborne Division (AASLT), Fort Campbell, KY, and FOB Salerno Afghanistan, 2007–2009; and Brigade Surgeon, Task Force Observe, Detect, Identify, Neutralize, Bagram, Afghanistan, 2013–2014. She also served one tour in Iraq as Chief of Primary Care, 21st Combat Support Hospital, 1st Medical Brigade, Tikrit, Iraq, 2009–2010. She was Chief, Flight Physical Review and Disposition, U.S. Army Aeromedical Activity, Fort Rucker, AL 2014–2015, and Command Surgeon, 3rd Expeditionary Sustainment Command, Fort Bragg, NC, 2015–2017.

An Associate Fellow of AsMA, COL Fondy is a member of the Army Aviation Association of America, the Association of Aerospace Medicine Specialists, and the Space Medicine Association.

Her honors and awards include the Bronze Star Medal, the Defense Meritorious Service Medal, five Meritorious Service Medals, the Theodore Lyster Flight Surgeon of the Year for 2014 and the Army Aviation Association of America Medicine Award (Flight Surgeon of the Year, 2008), two Air Medals, and the Army Commendation Medal.

## Musselman Heads ASHFA

Col. Brian T. Musselman, USAF, is the newly inducted president of the Aerospace Human Factors Association. He is currently the Director and Commander of the 628th Medical Group at Joint Base Charleston, SC. As the Director, he is responsible to Defense Health Agency for the overall operation of healthcare delivery for approximately 11,000 enrolled beneficiaries. As the Commander, he is responsible to the US Air Force to ensure 628th Air Base Wing and 437th Airlift Wing Airmen are medically prepared to support the 60+ Joint Base Charleston mission partners and combatant commanders worldwide.



Additionally, he ensures 628th Medical Group personnel are medically ready to support deployment and home station medical response requirements. Under his lead, the 628th Medical Group was selected as the 2018 USAF Surgeon General Clinic of the Year. Colonel Musselman also serves as Chair of the Lowcountry Federal Healthcare Alliance, one of only 12 DoD/VA Joint Venture sites in the United States.

Col. Musselman earned a B.S. in Biology in 1994 from the U.S. Air Force Academy in Colorado Springs, CO, and an M.S. in Aerospace Sciences (Aviation Safety) from

Embry-Riddle Aeronautical University, Daytona Beach, FL, in 2004. He completed Squadron Officers School in 1999 at Maxwell AFB, AL, and Air Command and Staff College in 2006 by correspondence. He earned a Certificate in Advanced Graduate Studies (Industrial/Organizational Psychology) at Northcentral University, Prescott, AZ, in 2010, and completed Air War College by correspondence in 2012 and in residence in 2016.

Col. Musselman has served as an Aircraft Maintenance and Munitions Officer; an Air Force Reserve Officer Training Corps instructor; an Aerospace Physiologist; an Aviation Mishap Investigator; and the Air Mobility Command Aerospace Physiology Training Program Manager and High Altitude Airdrop Mission Support Functional Manager. He was the 9th Physiological Support Squadron Commander where he was responsible for specialized full pressure suit support and training for U-2S, DoD, and NASA aviators.

Col. Musselman's awards and decorations include the Defense Meritorious Service Medal; the USAF Meritorious Service Medal with five oak leaf clusters; the USAF Commendation Medal with two oak leaf clusters; the USAF Achievement Medal with two oak leaf clusters; the Air Force Recognition Ribbon; the National Defense Service Medal; the Iraq Campaign Medal; the Global War on Terrorism Medal; the Humanitarian Service Medal; and the Nuclear Deterrence Operations Service Medal. He has also been a recipient of the AsMA's Harry G. Moseley Award in 2015 and the Kent K. Gillingham Award in 2018, the Aerospace Physiology Society's Paul Bert Award, and the Life Sciences and Biomedical Engineering Board Professional Excellence Award in 2014. He is a Fellow of the Aerospace Medical Association and the Royal Aeronautical Society.

## AsPS Incoming President is Deborah White

Dr. Deborah J. White, Ph.D., CASP, M.B.A., M.A. is the incoming President of the Aerospace Physiology Society (AsPS). She joined AsMA in 1988, and has been recognized as a Fellow of the Aerospace Medical Association. She has been a member of AsPS since 1990, where she oversaw the development of the Aerospace Physiology Board Certification Exam from 2011–2014, and then took over as Exam Treasurer in 2014. She also served as a Member-at-Large on the AsPS Board of Governors from 2016–2019, and then rolled into President Elect. She has also served as President of the Life Sciences and Biomedical Engineering Branch from 2009–2010.

Dr. White is a Commander in the United States Navy, serving as an Aerospace Experimental Psychologist on special assignment to Naval Undersea Warfare Center Division, Keyport. She is a Human Systems Integration (HSI) Project Lead, responsible for providing HSI technical leadership, management oversight, policy guidance, and coordination to the Submarine Force's Virtual Reality Submarine Training Program, ensuring that these areas are focused, relevant, and eminently capable of satisfying current and anticipated force needs. She provides executive and supervisory leadership and authoritative scientific and technical advice to afford future Naval Air Forces the requisite knowledge and technology for critical warfighting capabilities.

She received her undergraduate degree in Biology from California Polytechnic

State University, then attended Wright State University for the initial start of her doctorate degree, and completed her Ph.D. in Cardiovascular Physiology at Colorado State University in Ft. Collins. During her summer months she conducted research studies at USAF Armstrong Laboratory, both at Brooks AFB and Wright-Patterson AFB. Prior to entering the Navy, Dr. White worked as an Aeromedical Business Advisor to ML Lifeguard, a UK company that designed and developed safety and survival clothing for both aviation and submarine international services.



In 1997, Dr. White was commissioned as a Research Physiologist in the Navy and served as a research scientist at the Naval Submarine Medical Research Laboratory until 2000. She then transferred to the Aerospace Experimental Psychology community and went to the Naval Aerospace Medical Institute's Aerospace and Flight Training Program. Upon graduation of the program, she went to the Naval Air Warfare Center as Head of the Human Performance Technology Branch until transferring to the Naval Safety Center in 2003. Prior to arriving at the Naval

Safety Center, she attended the Naval Postgraduate School's Naval Aviation Safety Officer Program. She then worked at the Naval Safety Center as Head, Human Factors Analysis Branch for four years. In Oct 2007, she was requested by Fleet Forces Staff to take a special duty assignment and provide Human Factors Analysis and Aviation Mishap Expertise to the Safety Directorate (N4S). From 2009–2012 she was assigned as Deputy Director, Contract Support Office at the Naval Health Research Center, serving as the primary Contracting Officers' Representative on over ten major BUMED research support contracts valued at \$21M.

After entering the Navy, she earned an M.B.A. in Human Resource Management and Team Building from the University of New Haven and an M.A. in National Security and Strategic Studies degree from the Naval War College. She is also board certified in Aerospace Physiology.

Dr. White's awards include NAVSEA Warfare Center Innovation Award, Michael G. Lilienthal Leadership Award, Fred A. Hitchcock Award, Sonny Carter Memorial Award, Medical Service Corps Director's Award, Navy and Marine Corp Meritorious Service Medal, Navy and Marine Corps Commendation Medal (five awards), Navy Achievement Medal, Navy Meritorious Unit Commendation (two awards), National Defense Service Medal, Global War on Terrorism Service Medal, Military Outstanding Volunteer Service Medal, and Pistol Marksmanship (Sharpshooter).

## LSBEB President is Schmidt

Michael Schmidt, Ph.D., is the latest president of the Life Sciences and Biomedical Engineering Branch (LSBEB). Dr. Schmidt is currently CEO and Chief Science Officer of Sovaris Aerospace, LLC, in Boulder, CO. He is also a consultant for the NASA Twins Study of One Year in Space, a Project Director and Principal Investigator for the FAA Center of Excellence for Commercial Space Transportation at the University of Colorado and a consultant in human performance and advanced molecular profiling for a



number of organizations. He is an innovator in the advancement of multiscale "omics" applied to long-duration spaceflight, the translation of data into clinical methods, and the advancement of pharmacogenomics for safer use of drugs in space. He has also promoted a systems engineering approach to the application of personalized medicine in human spaceflight for two decades. His clinical and research work is focused on multiscale analytics, including involvement in the NASA Twins Study and its post-mission analytics. He has been developing methods to reduce complexity from high dimensional molecular data for the purpose of

translating these findings into personalized countermeasures. He has also taught and tested these methods in real-world environments. He and his team have advanced a model of personalized medicine rooted in artificial neural networks to reduce complexity and provide precision spaceflight countermeasures. Dr. Schmidt directs the US Military Special Forces Track of the Nutritional Genomics

Certification Program developed by the American College of Nutrition. As a leader in the Precision Medicine and Pharmacometabolomics Task Group of the Metabolomics Society, he has been developing experimental design methods for high dimensional molecular data in small cohorts operating in extreme environments.

Dr. Schmidt earned a B.Sc. in 1987 from the University of the State of New York. He served two Fellowships at NASA Ames Research Center between 2001 and 2003, and then earned a Ph.D. in Molecular Medicine and Biochemistry in 2003 from the Union Institute, NASA Ames Research Center. In 2007, he received an M.Phil. from Lancaster University in the United Kingdom. He earned his second Ph.D., in Neuroscience, in 2016 at Lancaster University with collaborations at the University of Cambridge. He is certified as a Wilderness First Responder through the Wilderness Medical Association, International.

His awards include Most Influential Papers of 2013/2014 from Springer Science Media, Best Review Paper in Metabolomics Award, the PROSE Award for Excellence in Clinical Medicine, the Research and Development Innovation Award from LSBEB, and the 2020 Marie Marvingt Award from AsMA.

## Almond to Lead Navy Flight Surgeons

CAPT Nathaniel Almond is the incoming 2020–2021 president of the Society of U.S. Naval Flight Surgeons (SUSNFS). A native of San Diego, CA, he moved around the country many times as the son of a Navy Physician. He graduated from Kempsville High School in VA Beach, VA in 1992. He graduated from Duke University in Durham, NC, with a degree in Mathematics in 1996 and was commissioned through NROTC.



Almond completed his Doctor of Medicine from the Uniformed Services University in 2000. He completed an internship in Family Practice at Camp Pendleton, CA before reporting to Pensacola, FL for flight surgery training. In 2002, Almond was designated a Naval Flight Surgeon before serving as a staff physician at the Physical Exams department at the Naval Aerospace Medical Institute.

He completed a Master of Public Health (MPH) degree and General Preventive Medicine residency training at the University of North Carolina at Chapel Hill in 2007 prior to transferring to Navy Environmental and Preventive Medicine Unit FIVE in San Diego, CA, where he served as a Preventive Medicine Officer and Officer in Charge of Forward Deployable Preventive Medicine Unit Team 5. During this tour he also served at Expeditionary Medical Facility Kuwait as Director of Public Health.

In 2010 Almond transferred to Pensacola, FL, for further graduate medical education, completing residency training in Aerospace Medicine and Occupational Medicine. He then served for 6 months as Associate Program Director of the Army's Occupational Medicine Residency while awaiting orders. In 2013, he transferred to USS Dwight D. Eisenhower (CVN 69) as head of the medical department. In 2015, he then reported to the Naval Aerospace Medical Institute as the Associate Program Director for the Navy Residency in Aerospace Medicine (RAM). He was chosen after a year in that position to become the Program Director and is now in his fourth year as the Program Director.

Almond is board certified in Aerospace Medicine, Occupational Medicine, and General Preventive Medicine. His personal awards include the Meritorious Service Medal (2); Navy and Marine Corps Commendation Medal (3); and the Naval Volunteer Medal.

## Goodman to Head USAF Flight Surgeons

Col. Theresa Goodman is the incoming president of the Society of U.S. Air Force Flight Surgeons. She is the commander of the USAF School of Aerospace Medicine, 711<sup>th</sup> Human Performance Wing, Wright-Patterson AFB, OH. USAFSAM, the premier institute for education and consultation in Aerospace and Operational Medicine, trains 5,000 DoD, international, and civilian students each year, services over 6,000 requests for expert consultation, and provides clinical, radiation, environmental, and industrial laboratory services.

Col Goodman received her B.S. degree in Cell and Molecular Biology, from the University of Washington, Seattle, WA, in 1995. She received her commission in

1995 through the Air Force Reserve Officer Training Corps program at the University of Washington. She earned her M.D. from the Uniformed Services



University of the Health Sciences in 1999 and she is board certified in three medical specialties: Family Medicine, Aerospace Medicine and Occupational Medicine. She earned her M.P.H. in 2009 from Harvard University, Cambridge, MA. She attended the Air War College and received her Masters of Strategic Studies in 2015.

Col. Goodman's career includes a variety of operation assignments as a medical provider and Aerospace Medicine Specialist including Commander, 20<sup>th</sup> Aerospace Medicine Squadron, Shaw AFB, SC; Commander, Inspector, HQ Air Force Inspection Agency, Kirtland AFB, NM; and most recently Commander, 18<sup>th</sup> Medical Group, Kadena Air Base, Japan.

Her awards include the Legion of Merit, Meritorious Service Medal with 4 oak leaf clusters, the Air Force Commendation Medal, the Air Force Achievement Medal, and various other unit and campaign medals.

## Mathers is Incoming Space Medicine Association President

Charles H. Mathers, M.D., M.P.H., FAsMA, is the incoming president of the Space Medicine Association. Dr. Mathers completed a Bachelor of Arts degree from Rice University in 2002. He subsequently worked at NASA Johnson Space Center as a member of the Space & Life Sciences Directorate before enrolling in



medical school at the University of Texas Medical Branch in Galveston, TX. Dr. Mathers graduated in 2007 with honors and accepted a position with the combined UTMB/NASA Internal Medicine/Aerospace Medicine Residency Program. Notable accomplishments during residency include serving as Chief Medical Resident from 2010–2011, awards for Outstanding Intern and Resident in Internal Medicine, and receiving the AsMA's Julian E. Ward Memorial Award, sponsored by the Society of USAF Flight Surgeons.

Dr. Mathers' work experience includes serving as Senior Associate Consultant with the Division of Preventive, Occupational, and Aerospace Medicine at Mayo Clinic Arizona, Assistant Professor and Associate Program Director of the UTMB/NASA Aerospace Medicine Residency Program, and Director of UTMB's Aerospace Medicine Center. During his time at UTMB, Dr. Mathers also served as Assistant and Interim Director of the Center for Polar Medical Operations. He deployed to McMurdo and South Pole Stations in Antarctica during the 2014–2015 summer season. In 2018, Dr. Mathers joined the Federal Aviation Administration as a Medical Officer for the Aerospace Medical Certification Division.

He is a Fellow of the Aerospace Medical Association, member of the International Academy of Aviation & Space Medicine, and Past-President of the American Society of Aerospace Medicine Specialists and AsMA Corporate Forum. Dr. Mathers is also a member of the Texas Air National Guard and serves with the 147th Medical Group at Ellington Field Joint Reserve Base, Houston, TX.

## Newly Elected Associate Fellows

The following members of the Aerospace Medical Association have achieved Associate Fellow status and were approved by the Executive Committee:

**Abdullah Aljaloud; Samir Alvi; Tamara Averett-Brauer; Joseph Britton; Lisa Brown; Todd Dart; Justin Dickie; Michael Greene; Steven Ho; Duncan "Slash" Hughes; Karen Klingenberger; Toru Konishi; Dana Levin; Adrian Macovei; Dominick Natin; Ing Oei; Simo Piitulainen; Kathleen Samoil; Paul Sherman; and Moriah Thompson.**

Awards and Scholarship Winners will be printed in August!