AsMA Constituent Organization Presidents for 2018–2019

Hudson to Head AMDA

Martin F. Hudson, MBBS, MRCP(UK), FRCP Edin, is the incoming president of the Airline Medical Directors Association (AMDA) for 2018–19. Dr. Hudson has been a member of AsMA since 2000 and was appointed a Fellow of the AsMA in 2013. He served as Chairman of AsMA's Air Transport Medicine Committee for four years from 2011 to 2015. Dr. Hudson is also a member of the European Society of Aerospace Medicine (ESAM) Advisory Board and serves as the ESAM liaison representative with ICAO.

Dr. Hudson did his residency at St. Bartholomew's Hospital, London, in 1965. After obtaining a Private Pilot's License he joined the Medical Branch of the Royal Air Force. From 1972 to 1999 he was a principal in General Practice in the United Kingdom. In 1977 he became a UK CAA Authorized Aviation Medical Examiner and has now completed 40 years in this capacity.

Leaving General Practice in 1999, he set up an Aviation Medicine Consultancy as an approved Aviation Medical Examiner for the European Aviation Safety Agency (EASA), UK Civil Aviation Authority (UK CAA), USA Federal Aviation Administration (FAA), Transport Canada (TC) and the Civil Aviation Safety Authority of Australia (CASA).

Dr. Hudson was appointed as the Consultant Aviation Medicine Adviser to Thomas Cook Airlines (UK) in 2000 and continued in this role until October 2017. Dr. Hudson is a Vice-President of the UK Association of Aviation Medical Examiners having served for 12 years as its Treasurer and then for 3 years as Chairman.

Dr. Hudson has, for the past 3 years, been a member of the AsMA Mental Health Group. In 2017 Dr Hudson co-authored a chapter in Professor Robert Bor's latest book on 'Pilot Mental Health'. He has also been much involved in recent years with the development of Peer Support Groups both for Airline Pilots and for Aviation Medical Examiners.

ANAHPS Incoming President is Florom-Smith

Aubrey Florom-Smith, Ph.D., R.N., is the incoming President of the Aerospace Nursing and Allied Health Professionals Society. She is a Nurse Scientist and manages investigator-initiated research for Envision Physician Services across seven service lines nationwide. Dr. Florom-Smith earned a Bachelor of Science in nursing (BSN; cum laude) and a Ph.D. in nursing science from the University of Miami (Graduate School Award of Academic Merit), where she was a National Institutes of Health/National Institute of Nursing Research Predoctoral Fellow. She is enrolled in the MS in Human Factors program at Embry-Riddle Aeronautical University, with a specialization in aerospace.

Dr. Florom-Smith's research interests include human health and performance in challenging environments and stressful conditions, and translational science. Her research experience includes designing and conducting quantitative and qualitative studies with physicians, nurses, and allied health professionals, continuing education research studies and quality improvement projects, and coordinating clinical research for a Level 1 Trauma center. Her grant writing experience includes writing/contributing to several NIH grants and over 30 research or continuing education grants submitted to major pharmaceutical companies.

Dr. Florom-Smith has received several honors and awards, including selection as a Jonas Foundation Nurse Leader Scholar, the Sigma Theta Tau (International Honor Society of Nursing) Rising Star of Scholarship and Research, and the March of Dimes Rising Star Award. She was a co-author of a continuing education quality improvement project awarded the Best in Class Award at Alliance for Continuing Education in the Health Professions Industry Summit 2017. Dr. Florom-Smith has published peer-reviewed research articles in journals such as the Western Journal of Nursing Research, Public Health Nursing, and Nursing Research, has presented at national and international conferences, and serves as a peer reviewer for several nursing journals.

Mathers to Lead ASAMS

Charles H. Mathers, M.D., M.P.H., is the incoming president of the American Society of Aerospace Medicine Specialists. Dr. Charles Mathers received a Bachelor of Arts degree from Rice University in 2002 and a Medical Doctorate with Honors from the University of Texas Medical Branch School of Medicine in 2007. He is a graduate of the UTMB/NASA Internal Medicine/ Aerospace Medicine residency program and served as Chief Medical Resident from 2010–2011. Dr. Mathers is board-certified in Internal Medicine and Aerospace Medicine. From 2013 until 2017, Dr. Mathers served as Assistant Professor and Associate Program Director for the UTMB/NASA Aerospace Medicine Residency Program where his duties included working as an FAA HIMS Senior Aviation Medical Examiner and Medical Director for UTMB's Aerospace Medicine Center. Dr. Mathers also served as Assistant Chief Medical Officer for UTMB's Center for Polar Medical Operations, which supports medical operations for the United States Antarctic Program.

Dr. Mathers recently joined the Aerospace Medical Certification Division as a Medical Officer for the Federal Aviation Administration's Office of Aerospace Medicine. He is also an Adjunct Assistant Professor of Clinical Preventive Medicine in the Department of Preventive Medicine and Community Health at the University of Texas Medical Branch.

He is an AsMA Fellow with many honors including the Society of NASA Flight Surgeons Outstanding Student Award; the Stanley R. Mohler Aerospace Medicine Endowed Scholarship; and the AsMA's Julian E. Ward Memorial Award. Dr. Mathers has authored or co-authored 11 peer-reviewed papers, 8 book chapters and other publications, and presented over 50 presentations at national and international meetings. In addition, he is a private pilot and SCUBA diver.

Sobel is New AsHFA President

Annette L. Sobel, M.D., M.S. is the new president of the Aerospace Human Factors Association. Dr. Sobel's 30+ years of a civilian and military career have focused on public service, human factors engineering, and mitigating the threat of Terrorism through Weapons of Mass Destruction (WMD), and medical innovations and education for pre-hospital care, education and training. Dr. Sobel has worked internationally developing protocols and technology for disaster management and mass casualty response. Specifically, she focused on development of opensource systems for early warning of emerging infectious disease, sentinel surveillance, and big data analytics for health and other informatics systems. She led a number of initiatives across government agencies that innovate new technology, and promote deployment of National Security initiatives focusing on Health Security.

Dr. Sobel received her Bachelor of Science degree in Chemistry and Computer Science from Rutgers University in 1979 and her M.D. from Case Western Reserve in 1983. She did her Family Medicine Internship and Residency at Duke University. She received a Master of Science degree in Aerospace Medicine/Human Factors Engineering from Wright State University. She also attended Air Command and Staff College, Air War College, the NASA Flight Surgeon Course, the U.S. Navy Hyperbaric Medicine course and the JFK School of Government National Security Program at Harvard University.

During her military career as a Major General, and a civilian career as a Distinguished Member of the Technical Staff at Sandia National Laboratories, NM, she served during 9/11 and Hurricane Katrina responses, and worked on a number of forward-leaning partnerships for peace and non-proliferation, to include U.S.-led, Cooperative Threat Reduction efforts in the Former Soviet Union, directed at chemical and biological research, development, and production facilities. She led DoD development of public health/counter WMD initiatives in Thailand, Vietnam, Qatar, and across the CENTCOM (pre-AFRICOM) areas of responsibility for Office of the Secretary of Defense (I&E). She worked USAID/NGOs in Africa on medical education and training. She is developing an interprofessional pre-hospital care and innovation initiative in Lubbock for medical, nursing, business, and engineering students.

She is a former President of the Space Medicine Association, recipient of the AsMA Julian E. Ward and AsHFA Henry F. Taylor Awards, and the Anti-Defamation League's Award for Superior Public Service.

Matthews is Incoming SoUSAFFS President

Col. Walter M. "Sparky" Matthews, USAF, MC is the incoming President of the Society of USAF Flight Surgeons. Col. Matthews is the Commander of Task Force Medical – Afghanistan and the Commander of the 455th Expeditionary Medical Group at Craig Joint Theater Hospital, Bagram Airfield, Afghanistan. He provides medical command and control for all echelons above brigade across the CJOA-A, which includes US and Coalition forces in nine separate operating locations. Col Matthews' Task Force also provides medical force protection and disaster planning/response operations for CJOA-A in general, and Bagram Airfield specifically. In addition, Colonel Matthews commands CENTCOM's largest Role III hospital, providing trauma response and theater aeromedical evacuation capabilities for Operations RESOLUTE SUPPORT and FREEDOM'S SENTINEL.

Prior to assuming his current command, Col. Matthews commanded the 10th Medical Group at the United States Air Force Academy, where he also served as USAF Academy Command Surgeon and Senior Market Executive for the Colorado Springs Military Health System (eMSM). He also commanded the 7th Aerospace Medicine Squadron at Dyess AFB, TX, and the 92nd Aerospace Medicine Squadron at Fairchild AFB, WA. Col Matthews served as the Air Force Surgeon General's Consultant for Aerospace Medicine and was selected Class President of the National War College Class of 2014.

Col (Dr.) Walter M. Matthews was born in Austin, TX. He earned a B.A. from Baylor University in Waco, TX, and an M.D. from Baylor College of Medicine in Houston. He also received his M.P.H, from the University of Texas Health Science Center, Houston, and an M.S. in National Strategic Studies from the National War College, Ft. McNair, DC. He entered active duty in 1996 and is an Aerospace Medicine Specialist, board certified in Aerospace Medicine and General Preventive Medicine & Public Health, and is rated as a Chief Flight Surgeon.

Col. Matthews has received numerous awards and decorations including the Legion of Merit, Meritorious Service Medal with four Oak Leaf Clusters, Air Medal, Air Force Achievement Medal with three Oak Leaf Clusters, Iraq Campaign Medal with one Star, Global War on Terrorism Expeditionary Medal, Nuclear Deterrence Operations Service Medal with one Oak Leaf Cluster, and Air Force Expeditionary Service Ribbon with Gold Border with one Oak Leaf Cluster. An Associate Fellow of AsMA, Col. Matthews is also a Diplomate in both Aerospace Medicine and Public Heatlh and General Preventive Medicine, American Board of Preventive Medicine.

Carpenter to Lead Navy Flight Surgeons

CDR Robert J. Carpenter, MC(FS) USN, has been installed as the President of the Society of U.S. Naval Flight Surgeons for 2018–19. Commander Carpenter was raised in San Diego, CA, and holds a Bachelor's Degree in Psychology from San Diego State University and Doctorate in Osteopathic Medicine from Kirksville College of Osteopathic Medicine.

CDR Carpenter is residency trained and board certified in internal medicine and fellowship trained and board certified in infectious diseases. He is a graduate of the Naval Aerospace Medicine Institute and designated a Naval Flight Surgeon. He currently serves as Senior Medical Officer, USS Essex (LHD-2), San Diego, CA. He is also an Assistant Professor, Department of Medicine at the Uniformed Services University of the Health Sciences, Bethesda, MD, from 2011 to present.

He is a Fellow of the American College of Physicians and has authored a variety of published research articles. His active research project concerns the NAMI HIV Neurocognitive Experience: A retrospective review of aerospace medicine waivers granted for HIV infection.

He previously served as Director of Clinical Services, Naval Aerospace Medicine Institute, Pensacola, Florida, Chairman of the Infection Control Committee, Naval Hospital Pensacola, Head of HIV Section, Division of Infectious Diseases, Assistant Program Director for the Infectious Diseases Fellowship Program, and Chairman of the Infection Control Committee, Naval Medical Center San Diego, and Flight Surgeon, Branch Health Clinic, Joint Reserve Base Fort Worth, Texas, providing operational support to the Naval Air Station, VR-59, and MAG-41.

His military awards include the Navy and Marine Corps Commendation Medal, Army Commendation Medal, Navy Achievement Medal, Army Achievement Medal, Meritorious Unit Commendation, National Defense Service, and Pistol Marksmanship.

Dervay to Head Space Medicine Association

Joseph P. Dervay, M.D., M.P.H., M.M.S., FACEP, is the incoming president of the Space Medicine Association. He has previously served as a "Member-at-Large" and Vice President.

Joe trained as a Navy Flight Surgeon, and completed a residency in Emergency Medicine, the UTMB/NASA Space Medicine Fellowship and Aerospace Medicine Residency, and hyperbaric training at University of Texas, Houston. He holds the rank of Captain in the U.S. Navy, with 32 years of Active Duty/ Reserve service.

Dr. Joe Dervay has served as a NASA Flight Surgeon at JSC for over 20 years. As Crew/Deputy Crew Surgeon, he has supported numerous Space Shuttle and ISS long-duration missions. He served as Lead, Medical Operations Group, and is currently the Flight Surgeon Lead for Commercial Crew.

Joe serves as Co-Chair of the Multilateral Medical Operations Panel (MMOP), representing the international partners of the ISS, and Chairs the MMOP EVA (extravehicular activity) Working Group. He has conducted research and published on Hypobaric Bubble Nucleation & Decompression Sickness, and presented at several AsMA meetings.

An AsMA member since 1985, Dr. Dervay has served on Council and various committees for the organization. "My goals for SMA are to increase membership, advance SMA's knowledge of ongoing commercial space initiatives, and promote our relationship with AsMA Council. I seek to increase the number of available scholarships/stipends we offer to encourage students/residents to attend Annual Meetings. I also seek to use WEBEX/Podcasts to enhance educational opportunities for members across the international spectrum of meetings and seminars."

Holland to Lead LSBEB

Dwight A. Holland, M.D., Ph.D is beginning a one-year term as the President of the Life Sciences and Engineering Branch. Dr. Holland is the Past-President of the International Association of Military Flight Surgeon Pilots (IAMFSP), the Space Medicine Association, and the Aerospace Human Factors Association. Dwight has been doing consulting on and off in Systems Management/Human Factors Engineering since 1990 as time permitted from his military and other academic pursuits. He served in the USAF Reserve on/off active/reserve duty as an Individual Mobilization Augmentee (IMA) for about 15 years in a wide variety of positions with both Company Grade and Field Grade Officer of the Year honors in his status at the USAF Office for Scientific Research as a dual-hatted

International Office Program Manager (AFOSR/IO)/USN Test Pilot School Academic Instructor, and at Edwards AFB, CA in the USAF Test Pilot School. His last USAF IMA Reserve assignment was as the Senior Reservist (IMA) the Warfighter Readiness Division in the 711 Human Performance Wing at Wright-Patterson AFB, OH.

Dr. Holland holds Master's degrees in Geophysics, Systems Engineering, and a Ph.D. in Human Factors and Systems Engineering, all from Virginia Tech. Dr. Holland is also a graduate of USAF Pilot Training, and was a fully qualified USAF Acquisitions Officer. He holds FAA commercial and multiengine Jet type-rated ratings of pilot with over 2,000 hours of flight time in 35+ aircraft, including flight test engineering work. His doctorate in Medicine is from the University of Virginia School of Medicine, where he served as the elected Representative by his peers from the School of Medicine to the University of Virginia Honor Committee. He crafted the first joint MD/PhD between Virginia Tech College of Engineering and the University of Virginia School of Medicine.

He also has served early in his career on a Geophysics research expedition to the Antarctic, living in harsh polar conditions in an unheated tent for three months, flying in a specially outfitted aircraft from and to remote sites, managing the team's Gravity/Magnetics program, and earliest tests of GPS systems for Antarctic scientific positioning study.

Dr. Holland has served as an instructor and curriculum co-developer in the crew interface area at the US Navy Test Pilot School at Patuxent River, MD. He was the first known reserve instructor to be attached to the school. While at AFOSR/IO as a Program Manager, he served as a liaison to USN Office for Naval Research (ONR) for internationally-related Bioterrorism issues, and represented AFOSR/AFRL at the by-invitation initial Western Hemisphere anti-Bioterrorism Conference, and was a key S&T player in the outreach to Slovenia in 2002–2004 as it transitioned to becoming a NATO state at a critical time for the region's stability. During this time, he was selected by the SecAF/Acquisition team to moderate the high level brain-storming sessions on how to improve the systems engineering processes in the USAF Acquisitions system, and served as the Technical Co-Chair and Senior Governmental leadership organizer for the largest international Systems Engineering held to date.

Dr. Holland has over 100 academic presentations, abstracts, book reviews, publications, Journal Special edition, and book as co-author to his credit, including chairing over 50 scientific sessions at various scientific meetings. He served as one of several co-authors and as a research pilot/human factors research design advisor on the AsMA 2005 Tuttle Award research team lead by Dr Mike Russo, resulting in contributions to related to all-night flying fatigue, and other general fatigue parameters. Dr. Holland's dissertation on dynamic peripheral visual acuity under various levels of workload and verbal intrusion earned him the 2002 Stanley N. Roscoe Award from the Aerospace Human Factors Association. In the past, he has been awarded the Won J. Kay Award for significant contributions to international aerospace medicine, and was more recently recognized by AsMA with the Sidney Leverett Environmental Medicine Award for his various contributions to Aerospace Systems development, including co-authoring the NASA-sponsored book "Breaking the Mishap Chain (2012)" which was nominated for the international Airbus Aviation Safety Award and touched on several areas of concern while flight testing new aerospace systems from a Human Systems Integration/Aerospace Medicine perspective. "Breaking the Mishap Chain (2012)" was reviewed by the Smithsonian Air and Space Magazine as a featured "book to buy". The Leverett Award also noted his co-leading the unique full-coverage G suit flights with prescribed profiles, full physiological internal and external monitoring while in high-Gz flight in specially outfitted USAF Test Pilot School data jets, after centrifuge build-up. This project was joint across two commands, and multiple offices and the team was nominated for the international Collier Trophy by the USAF Test Pilot School, and won several society conference awards/recognition for the team's research efforts. He was personally nominated by Test Pilot School Staff for the Society of Flight Test Engineers Kelly Johnson Award in 2012 for the "most significant" contribution to flight test engineering internationally. He is a Lifetime member of that organization, and several other professional societies.

Dr. Holland has served on the AsMA Council for many years in the recent past, including Member-at-Large 2014–2017, and Rep from 3 various organizations prior to that window. He has also served the AsMA community on the Executive Committee, as the Awards Chair for 4 years, and on the AsMA Scientific Program for almost 20 years, with 4 other years in the past as the Book Reviews Editor.

AsPS Incoming President is Tom Massa

The 2018–19 President of the Aerospace Physiology Society is Thomas V. Massa. Lt. Col. Thomas V. Massa is currently an Air War College student at Maxwell Air Force Base in Alabama. Prior to his current assignment, he was the 375th Aerospace Medicine Squadron Commander at Scott Air Force Base, IL, responsible for delivering healthcare to 1.6K aviators and 23K beneficiaries in support of U.S. Transportation Command, 18th Air Force, and Air Mobility Command.

Lt. Col. Massa entered the Air Force in October 1986 as an enlisted Aerospace Physiology Technician. He graduated with a Bachelor of Arts & Science Degree from Texas State University in 1996 and was commissioned as a Biomedical Service Corps Aerospace Physiologist in April 1997. In 2002, he received a Master's of Aeronautical Science in Safety, from Embry Riddle University, Daytona Beach, FL.

He has been assigned to numerous operational, and staff positions including deployments to operation SOUTHERN WATCH and other Middle East AORs. His awards and decorations include the Meritorious Service Medal with four oak leaf clusters; the Air Force Commendation Medal with four oak leaf clusters; the Air Force Achievement Medal with four oak leaf clusters; the Wiley Post Award for Operation Physiology and the Paul Bert Award for Physiological Research from the Aerospace Physiology Society; and he was both the USAF Aerospace Physiologist and Aerospace Physiology Technician of the Year.

Ronak Shah to Lead Society of NASA Flight Surgeons

Ronak Shah, D.O., M.P.H., M.B.A., is the incoming 2018–19 president of the Society of NASA Flight Surgeons. Dr. Shah is the Medical Director of the NASA Johnson Space Center Clinic and is responsible for oversight of clinical services provided on campus. He is board-certified in Aerospace Medicine and Internal Medicine and received his Flight Surgeon certification from the U.S. Army School of Aviation Medicine. He has provided operational medical support to NASA as a physician at Star City and at the Neutral Buoyancy Laboratory. Dr. Shah previously served as the Deputy Element Scientist for Exploration Medical Capability in the NASA Human Research Program.

A graduate of the New York College of Osteopathic Medicine, he completed a residency in Internal Medicine at Morristown Medical Center in Morristown, NJ. He remained there in private practice until joining the Aerospace Medicine Residency program at the University of Texas Medical Branch. Dr. Shah holds Masters' degrees in both Public Health and Business Administration. He is an Assistant Professor in the Department of Family Medicine at the UTMB and continues to provide medical care at St. Vincent's Clinic in Galveston, TX.

An Associate Fellow of AsMA, Dr. Shah received the William K. Douglas Scholarship Award during his UTMB/NASA Aerospace Medicine Residency. He also received the Order of Aeromedical Merit from the Society of U.S. Army Flight Surgeons. He is author or co-author on several articles and presentations to the Aerospace Medicine community.

Monberg Continues as IAMFSP President

Robert Monberg, MD, FAsMA, CAsP, continues his 2-year term as president of the International Association of Military Flight Surgeon Pilots (IAMFSP). A retired USAF F-16 pilot and physician, he is currently the Medical Director for U.S. Healthworks Occupational Health and Urgent Care Clinic in Fairbanks, AK. His professional interests include the physiology of flight and the design and operation of fighter aircraft life support systems, especially in

short duration acceleration, altitude physiology, and acceleration induced lung effects.

Rob received his B.S. degree from the USAF Academy in Colorado in 1991 and entered active duty upon graduation. After completing the USAF Flight Surgeon's Course at Brooks AFB, TX, in 1994, he went on to receive his M.D. from the Uniformed Services University of Health Sciences, Bethesda, MD, in 1995. He received a Diploma in Aviation Medicine from the Faculty of Occupational Medicine, Kings College, London, in 2013. He was promoted to Colonel and retired from the US. Air Force in May 2016.

Newly Elected Associate Fellows

The following members of the Aerospace Medical Association have achieved Associate Fellow status and were approved by the Executive Committee: Douglas Boyd, Joseph Butterfield, Ilaria Cinelli, Mark Corbett, Susan Fondy, John Gray, Courtney Hayes, Chris Hudson, Declan Maher, Kate Manderson, Lindsey McIntire, David Reyes, Scott Salmon, Jayashri Sharma, and Sanjiv Sharma.

AsMA Scholarships for 2018 Announced

Anita Mantri Memorial Travel Scholarships

Jennifer Fleischer, BSE, is one of two winners of the Anita Mantri Scholarship. She graduated with a BSE in Bioengineering from the University of Pennsylvania in 2006. For the next 7 years she played professional basketball for teams in Belgium, Russia, Ukraine, Poland, Israel, Slovakia, France, and Italy, as well as for the Israeli Women's National Basketball Team. She is currently completing her medical degree at Dartmouth College and also working on a project with Dartmouth's Space Medicine Innovations Lab. Her interest in aerospace medicine led her to participate in the 2016 International Space University's Space Studies Program, UTMB's Short Course, and NASA's Aerospace Medicine Clerkship. She will begin an Emergency Medicine Residency at Duke in July.

Ms. Fleischer is a member of the Aerospace Medicine Student and Resident Organization and the Aerospace Medical Association. She is the first author of a presentation to be given at the 2018 Annual Scientific Meeting and a co-author of an article to be published in *Current Urology Reports*. She has conducted research at the University of Pennsylvania and the Masonic Medical Research Lab and has been involved with the International Space University Space Studies Program in Haifa, Israel, and the Virtual Space Station in Hanover, NH.

Ilaria Cinelli is one of two winners of the Anita Mantri Memorial Travel Scholarship. A native of Italy, she earned a B.Eng. and an M.Eng. in biomedical engineering from the University of Pisa, Italy, in 2012. She is currently a final year Ph.D. student at the National University of Ireland, Galway, Ireland. She was research assistant at CHAPS (King's College London), where she worked on a computational model regarding Visual Impairment Intracranial Pressure and on the Gravity Loading Countermeasure Skinsuit.

Ilaria was a finalist for the Jeff Myers Space Medicine Association Young Investigator Award in 2013. She was a winner of the 2014 Research and Development Innovation Award and Certificate (sponsored by David Clark Company) given by the Life Sciences and Biomedical Enginerring Branch of AsMA. In 2015, she completed the Commercial Space Executive Leadership Training and the Intensive Astronaut Training to Weightlessness. In 2016, she was elected Secretary of the Aerospace Human Factors Association, a Constituent group of AsMA. She is also national contact point of the Student European Low Gravity Research (SELGRA).

After her first mission with Crew 158, Ilaria was selected as Commander of Crew 172 and 185 and Emerging Space Leader by the Mars Society. Ilaria also joined the Poland Mars Analogue Simulation by Space Generation as Mission Support member and back-up astronaut, and the Mars Academy USA as Executive Officer. She has been featured on HBO, French TV, in the *Irish Times*, Engineers Ireland, Rai TV, *La Repubblica*, *Le Monde*, and many others. She was also featured on the IEEE Pulse and was Invited Speaker at the IEEE EMBC EMBS 2017 and 2018, University of Southampton, University of Pisa, and TEDxPadova. She is active in space medicine research for translation to terrestrial applications. Her favorite motto is "*Life in Space is for Life on Earth!*"

Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship

Moriah S. Thompson, M.D., is currently a resident in Aerospace Medicine at the University of Texas Medical Branch in Galveston. She completed her initial residency training in Emergency Medicine at the Mayo Clinic, where she served as chief resident. Prior to that she graduated from Texas A&M University with a degree in Biomedical Engineering. She has participated in the Pathways Internship program at NASA Johnson Space Center since 2012. She has also been involved in a number of research projects in the field of aerospace medicine ranging from hypobaric hypoxia exposure to spacesuit glove-related injury.

Dr. Thompson is a member of the Society of Women Engineers and the Aerospace Medical Association. Her honors and awards include being a NASA Student Ambassador, an Outstanding Student Award from the Society of NASA Flight Surgeons, Outstanding Resident Research Innovation from Mayo Clinic Emergency Medicine, and Gold Quality Fellow from the Mayo Clinic Quality Academy. She is lead or co-author on eight publications.

AsMA International Scholarships

Bonnie Posselt, B.Sc., M.B.Ch.B. (E), D.Av.Med., MRCP (UK), ARAeS RAF, is the first winner of the AsMA International Scholarship. A native of the United Kingdom, she earned a B.Sc. in Aerospace Physiology at King's College in London in 2008, then an M.B.Ch.B. at Manchester University in 2009. She also holds a Post-Graduate Certificate in Aviation Medicine from King's College and a Diploma in Aviation Medicine from the Faculty of Operational Medicine. She joined the Royal Air Force (RAF) as a General Duties Doctor in 2011 and then took Officer Training. Upon completion of this training, she was commissioned as a Flight Lieutenant. She then served in a variety of positions, including as a CT1 doctor in both an Acute Assessment Unit and an Intensive Care unit at Chelsea and Westminster and Royal Brompton Hospitals; a CT2 doctor in Emergency Medicine, Anesthetics, Cardiology, and Respiratory Medicine at St. George's and Chelsea and Westminster Hospitals; and Acting Registrar of Acute Medicine at Chelsea and Westminster Hospital. She is currently Field Medical officer, AMADEE-18, Austrian Space Forum; Specialty Registrar in Aviation and Space Medicine at the Centre of Aviation Medicine, RAF Henlow; and an RAF Medical Officer.

Dr. Posselt was the Space Medicine Association's Jeff Myers Young Investigator Award winner in 2011. She is a member of the Royal College of Physicians, the General Medical Council, the Medical Defence Union, the Royal Society of Medicine, the Royal Aeronautical Society, UK Space Life and Biomedical Sciences, and the British Interplanetary Society. She is an Associate Fellow of the Aerospace Medical Association and a trainee representative on the Specialty Advisory Committee for Aviation and Space Medicine as well as a STEM outreach ambassador.

Beth A. Healey, M.B.Ch.B. (Hons.), B.Sc. (Hons.), Dip.MCC, FRGS, is the second winner of one of the 2018 AsMA International Scholarships. She earned a B.S. in Physiological Science and then an M.B.Ch.B. at the University of Bristol. She then received a Diploma in Conflict and Catastrophe Medicine in 2014 from the Worshipful Society of Apothecaries in London. She has served in a variety of positions, including as a support team member for Extreme World Races, Lake Baikal, Siberia; an assistant doctor for the North Pole Marathon; a doctor at Ealing Hospital and then Chelsea and Westminster Hospital in London; as a research coordinator and part of the medical team for the European Space Agency at Concordia Station in Antarctica; and was involved as Project Lead for 'Whitespace', a grant-funded outreach educational tour. She is currently a Senior House Officer in Accident and Emergency and is serving an Accident and

Emergency internship at Hôpitaux du Pays du Mont Blanc in France. She also shares her research experience in Antarctica through public speaking at conferences, seminars, podcasts, online media, universities, and occasional television and radio appearances.

Dr. Healey is a Fellow of the Royal Geographical Society and a member of the Aerospace Medical Association, the Space Medicine Association, the Wilderness Medicine Society, the Space Generation and Advisory Council, the Aerospace Medicine Student and Resident Organization, and Medical Leadership and Management. Her awards and honors include the Association of Space Explorers Award, Space Exploration Education UK Space Agency Grant for 'White-Space', winning the 'I'm an astronaut get me out of here' Scholarship for International Space University's 2017 Summer Program, Poster Presentation Prize London Trauma Conference, National Physiological Society Conference Bursary, ESA Workshop for Medical Students Attendance Bursary, Royal United Hospital Bath's Elective Prize, and Bristol University's Evidence-Based Medicine Poster Winner.

Matthew R. Wilkes, M.B.Ch.B., M.Sc., MRCEM, FRCA, FAWM, FRGS, received the third AsMA International Scholarship. Dr. Wilkes qualified in medicine from the University of Edinburgh in 2007. Since then he has worked predominantly in anesthesiology, critical care, and remote medicine in the United Kingdom and around the world. He is passionate about paragliding and founded the Free Flight Physiology Project to improve paraglider pilot safety, performance, and accident management. The project is supported by the Royal Aeronautical Society's GP Olley Award.

Dr. Wilkes completed the Master of Clinical Sciences (Mountain Medicine) in 2016, investigating cerebral altitude illness in the Bolivian Andes. He has been the Lead Doctor on several large international expeditions, practiced anesthesia in New Zealand and Nepal, and flown all over East Africa with the AMREF Flying Doctor Service. In 2017, he returned to Nepal as a volunteer physician at the IPPG(UK) high altitude clinics at Machermo and Gokyo for the post-monsoon season. He is currently a doctoral student in the Extreme Environmental Medicine and Science Group, Department of Sport and Exercise Science, University of Portsmouth.

Dr. Wilkes is a Fellow of the Royal Geographical Society, The Royal College of Anaesthetists, and the Academy of Wilderness Medicine. He is a member of the Royal College of Emergency Medicine, and a Diplomate in Mountain Medicine. His awards and honors include the Nick Gordon medal from the Edinburgh & East Scotland Society of Anaesthetists, an Excellence in Remote Medicine Award, and the Myre Sim Fund Research Grant from the Royal College of Physicians. He has also received the James Munro Memorial Prize in Psychiatry and the Dorothea Walpole Prize in General Practice.

Thank You!
Corporate and Sustaining Members of the Aerospace Medical Association

Now in Our 89th Year!

The financial resources of individual members alone cannot sustain the Association's pursuit of its broad international goals and objectives. Our 89-year history is documented by innumerable medical contributions toward flying health and safety that have become daily expectations by the world's entire flying population—commercial, military, and private aviation. However, support from private and industrial sources is essential. The following organizations, who share the Association's objectives or have benefitted from its past or current activities, have affirmed their support of the Association through Corporate Membership.

Aerospace Medical, PLC
Aerospace Medicine Residency Program, UTMB
Air Line Pilots Association
Aircraft Owners and Pilots Association
Airdocs Aeromedical Support Services
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