AsMA Constituent Organization Presidents for 2019–2020

Hosegood to Head AMDA

Ian Hosegood, MBBS, FRACGP, FRACMA, FACAsM, DAvMed, PGDipOEM, is the incoming President of the Airlines Medical Directors Association (AMDA). Dr. Hosegood is the Director of Medical Services with Qantas Airways Limited based in Sydney, Australia. He is an experienced Aviation Medicine Specialist and also has specialist qualifications in Family Medicine, Occupational Medicine and Medical Management. His entry to aviation medicine was through the Royal Australian Air Force (RAAF) where he held various senior roles including time at the Institute of Aviation Medicine and an exchange posting to the UK where he completed his Diploma in Aviation Medicine at Farnborough. Subsequent roles have included Vice President of Clinical Services at Emirates Airlines, Principal Medical Officer at the Australian Civil Aviation Safety Authority and General Manager Health Services with the Royal Flying Doctor Service. Ian is currently on the IATA Medical Advisory Group (MAG), the AMDA Executive Council, and has previously been on the ICAO Medical Provisions Study Group (MPSG). 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.

Florom-Smith Continues as ANAHPS President

Aubrey Florom-Smith, Ph.D., RN, is continuing a 2-year term as President of the Aerospace Nursing and Allied Health Professionals Society (ANAHPS). She is currently a Nurse Scientist with Envision Physician Services and recently became an affiliate member of the Graduate Faculty at the University of Alabama in Huntsville. She also recently became a member of the Nursing and Space Life Sciences Committee.

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). She is enrolled in the M.S. in Human Factors program at Embry-Riddle Aeronautical University, with a specialization in aerospace. Her full biography can be read in the June 2018 issue of Aerospace Medicine and Human Performance [Aerosp Med Hum Perform. 2018; 89(6):579].

Jacques Continues as AAMA President

LTC(P) Mark Jacques continues as the President of the Army Aviation Medical Association (AAMA). He is currently the U.S. Army Aviation Center of Excellence (USAACE) Command Surgeon. He serves as advisor on all operational medicine and aviation medicine issues to the Commanding General of USAACE, who is also the U.S. Army Aviation Branch Chief. He received a B.S. in Biology from Rensselaer Polytechnic Institute in 1995, his M.D. from the State University of New York at Stony Brook in 1999, and his M.P.H. from the University of Texas Medical Branch in 2008. He is board certified in Aerospace Medicine, Occupational Medicine and Pediatrics. He is a Fellow of both the American Academy of Pediatrics and the Aerospace Medical Association. For his full biography, please see the July 2018 issue of Ever Upward, AsMA's newsletter (p. N42; available at https://www.asma.org/asma/media/AsMA/pdf-journal/pdf-news-2018/july-2018-news-rev4A.pdf).

Shurlow to Lead ASAMS

Col. Charles A. Shurlow is the incoming President of the American Society of Aerospace Medicine Specialists (ASAMS). He is currently the Ohio State Air Surgeon, Joint Force Headquarters, Ohio Air National Guard, Beightler Armory, Columbus, OH. He is responsible to the Adjutant General for ensuring Ohio Air National Guard medical operations and policy enhance the medical readiness of the more than 4,900 airmen across four flying wings and six support units. He is also a civilian contractor for STS Systems Integration as the Chief Flight Surgeon for the Medical Flight Standards Branch of the Aeromedical Consult Service, USAF School of Aerospace Medicine.

Col. Shurlow graduated from Ferris State University in Big Rapids, MI, in 1981 with an Associate degree in Applied Science and then earned a B.S. in Biology and Chemistry at Central Michigan University in Mt. Pleasant, MI. Following that, he earned a D.O. at Kirksville College of Osteopathic Medicine, Kirksville, MO, and served an internship at Bay Medical Center, Bay City, MI, from 1989–1990. He completed an Emergency Medicine residency at Mt. Clemens General Hospital, Mt. Clemens, MI, in 1996, and graduated from the Aerospace Medicine program at Wright State University with an M.S. in 2007. He then served a 1-year residency in Aerospace Medicine at the U.S. Air Force School of Aerospace Medicine at Brooks City-Base, TX. He has also attended Air War College, the Interagency Institue for Federal Health Care Executives, DMRTI's Public Health Emergency Management Course, the Joint Medical Executive Skills Institute Capstone for MHS Leaders, and the Joint Domestic Operations Course.

Col. Shurlow entered the Air Force in March 1990 and completed the Aerospace Medicine Primary Course. He then served in a variety of positions, including Squadron Medical Element, Flight Commander, Officer in Charge of Flight Medicine, and Senior Flight Surgeon. He has deployed for multiple contingencies, including: Operations Desert Storm, Northern/Southern Watch, Nobel Eagle, Iraqi Freedom, and Deep Freeze. His society memberships include: the Society of U.S. Air Force Flight Surgeons, Aerospace Medical Association, Society of NASA Flight Surgeons, Military Association of Osteopathic Physicians and Surgeons, American College of Family Practice Physicians, American College of Osteopathic Emergency Physicians, American College of Emergency Physicians, American Osteopathic Association, Association of Military Surgeons of the United States, Air Force Association, and The National Guard Association of the United States. He has more than 1,900 flying hours in more than 42 different airframes. His awards and honors include the Air Force Long and Short Tour Ribbons, the Global War on Terrorism Service Medal, the National Defense Service Medal with one device, an Air Force Commendation Medal, a Meritorious Service Medal with eight devices, the Donald F. Hagen Young Physicians Award, and the Wright State University Graduate Student Excellence Award.

Cinelli is New AsHFA President

Ilaria Cinelli, Ph.D., is the 2019 President of the Aerospace Human Factors Association. She has a bachelor's in biomedical engineering and a master's degree in mechatronics and surgical robotics from the University of Pisa (Italy). While earning her master's, she worked as a research assistant at King's College London (UK) for 2 years. Ilaria has a 4-year structured Ph.D. in neural engineering from the National University of Ireland, Galway (Republic of Ireland). In 2018, she completed the Space Studies Program of the International Space University at TU Delft (The Netherlands), and is now a postdoctoral scholar at Tufts University (United States) working in collaboration with the Centre of Applied Brain and Cognitive Sciences.

In 2015, Dr. Cinelli completed the Commercial Space Executive Leadership Training and the Intensive Training-Astronaut Training to Weightlessness. Since 2015, she has conducted five analogue missions at the Mars Desert Research Station with the role of Commander, and others under the Space Generation Advisory Council (SGAC) and the Mars Academy USA. The Aerospace Medical Association (AsMA) nominated her finalist of the AsMA JM Space Medicine Association Young Investigator Award 2013, and the Life Sciences and Biomedical Engineering Branch (LSBEB) presented her with the Research and Development Innovation Award and Certificate in 2014. In 2018, she became an Associate Fellow of AsMA and was elected President-Elect of the Aerospace Human Factors Association and Member-at-Large of the LSBEB.

Dr. Cinelli was the recipient of the many scholarships including: the 60th British Applied Mathematics Colloquium bursary from the University of St. Andrews (UK) in 2018; the Anita Mantri Scholarship 2018 of AsMA; multiple Emerging Space Leaders Scholarships of The Mars Society; the best IEEE EMB talks in modelling in 2018; and the ESA scholarship 2018. Her additional achievements include: being selected as SGAC delegate of the 35th Space Symposium; being invited to join the Steering Committee of the Mars Society; being presenter of the Lunar Night Survival Project at the NASA HQ in 2018; and being a finalist of the European candidate of the AdCOM elections of IEEE EMB 2017. She has been an invited speaker at many conferences including: the IEEE EMBC EMBS 2017 and 2018; University of Southampton; University of Porto; University of Pisa; TEDx Padova; International Space Medicine Bellagio Summit II; the ESA Moon-Mars workshop; and the MIT New Space Age conference. She has been featured on HBO, on French TV, in the *Irish Times*, by Engineers Ireland, on Rai TV, in *La Repubblica* and *Le Monde*, and in the IEEE *Pulse*, among others.

AsPS Incoming President is Lippert

Lt. Com. Amanda "AWOS" Lippert is the 2019–2020 President of the Aerospace Physiology Society. She is currently the Aeromedical Safety Officer (AMSO) for the Marine Aviation Weapons and Tactics Squadron One (MAWTS-1). She enlisted in the U.S. Navy in May of 2000. After completion of boot camp, she graduated Hospital Corps A-School in November 2000, and graduated Aviation Medical Technician C-School in February 2001. She immediately deployed with Fighter Squadron (VF-32) aboard the USS *Harry S. Truman* (CVN-75) to the 5th Fleet. She returned to NAS Oceana, VA, and deployed again in December of 2002 in support of Operation Enduring Freedom and Operation Iraqi Freedom. She earned the Enlisted Aviation Warfare Qualification in 2002 and the Enlisted Surface Warfare Qualification in 2003. She was then assigned to Aviation Survival Training Center Pensacola, FL, in February 2004, where she served as a Survival Training Instructor, earned the Master Training Specialist designation, and completed her Bachelor's degree. She was honorably discharged in November 2005 and earned a Master of Science in Education and a Master of Science in Physiology, both with honors, from Old Dominion University in Norfolk, VA. Upon graduation, she was commissioned a Lieutenant Junior Grade as a Medical Service Corps Officer in the U.S. Navy in May of 2009.

Upon completion of the Naval Aeromedical Officer Course at NAS Pensacola, LTJG Lippert was designated Naval Aerospace and Operational Physiologist #303 in April 2010. She reported to Aviation Survival Training Center Norfolk, VA, where she served as the Operations and Training Officer from May 2010 to January 2012. She became a Lieutenant and was assigned as the AMSO of Marine Aircraft Group 13 (MAG-13) in Yuma, AZ, in May 2012, serving as the first F-35 AMSO in support of the USMC declaring F-35B Initial Operational Capability (IOC), and also provided aeromedical and mishap investigation support for the AV-8B. She graduated from the MAWTS-1 Night Image Threat Evaluation (NITE) Lab Instructor Course in 2012. She earned the internationally recognized board certification in Aerospace Physiology (CAsP) in May 2013, and the Fleet Marine Force Warfare Qualification in April 2015.

In June 2015, LT Lippert reported to Naval Air Systems Command (NAVAIR) to serve as PMA-202's Mishap Investigation Support Team (MIST) Lead, Aircrew Systems NATOPS Program Manager, and FAILSAFE IPT Lead. She was promoted to Lieutenant Commander and earned Women in Aerospace's Inspiration, Initiative, Impact award in October 2016, the DAWIA Level 2 Acquisitions Certification in Engineering in June 2017, and the Aerospace Physiology Society's Wiley Post award in 2018. She has over 500 flight hours and has flown in more than 20 TMS aircraft in Naval Aviation. Her personal awards include the Navy/Marine Corps Commendation Medal (with one Gold Star), and the Navy/Marine Corps Achievement Medal (with two Gold Stars).

Castleberry to Lead Society of NASA Flight Surgeons

Tarah Castleberry, D.O., M.P.H., is the incoming President of the Society of NASA Flight Surgeons. She has been the Flight Surgeon for Virgin Galactic since August 2015. She is board certified in Aerospace Medicine, Family Medicine, and General Preventive Medicine. She served as a contracted NASA Flight Surgeon through the UTMB-Wyle Bioastronautics contract from 2009–2012, providing support for International Space Station missions as well as support of U.S. and International Partner astronaut operations in Russia and Kazakhstan. Following her work at NASA, she became the program director for the UTMB-NASA/JSC Aerospace Medicine Residency as well as the program director for the UTMB General Preventive Medicine Residency, serving in that capacity until 2017.

Dr. Castleberry received a B.S. in Biology from Grand Canyon University in 1994 and then earned a D.O. from Kirksville College of Osteopathic Medicine in 1998. She served an internship in Family Medicine at the University of Alabama at Birmingham from 1998 to 1999 and then earned an M.P.H. at Johns Hopkins Bloomberg School of Public Health in 2000. She served a Residency in Aerospace Medicine from 2000 to 2002 at the Naval Aerospace Medical Institute and then a Residency in Family Medicine at the Mayo Clinic in Scottsdale, AZ, from 2007 to 2009.

Dr. Castleberry is an associate professor in the departments of Preventive Medicine and Community Health and Family Medicine at UTMB and Senior Faculty at Baylor College of Medicine Center for Space Medicine. Prior to her work at UTMB and NASA, she served as a flight surgeon and aerospace medicine specialist in the U.S. Navy for 7 years. She is currently Principal Investigator for a project funded by the FAA Center of Excellence for Commercial Space Transportation studying physiological effects of acceleration in the suborbital space environment.

Dr. Castleberry is a member of the Society of U.S. Naval Flight Surgeons, the Society of NASA Flight Surgeons, the American Academy of Family Practice, the Space Medicine Association, and the Aerospace Medical Association. Her honors and awards include U.S. Navy Flight Surgeon of the Year Nominee, NASA Life Saver Award, NASA Space Life Sciences Division Director's Commendation Award, an Honorary Doctor of Science in Osteopathy degree from Kirksville College of Osteopathic Medicine, the Aerospace Medicine Student and Resident Organization Mentor Award, and being co-recipient of the Arnold D. Tuttle Award from the Aerospace Medical Association. She has 10 published papers and 10 invited lectures to her name, as well as a patent submission.

Hughes is Incoming SoUSAFFS President

Col. Duncan G. Hughes is the incoming President of the Society of USAF Flight Surgeons (SoUSAFFS). He is the Chief, Aerospace Medicine Division, Headquarters Air Combat Command, Joint Base Langley-Eustis, VA. He received his commission from the U.S. Air Force in 1992 when he began medical school at the Uniformed Services University of the Health Sciences (USUHS) in Bethesda, MD. Following medical school, he completed his internship and residency in Family Medicine at Malcolm Grow Medical Center, Andrews AFB, MD. He then served two tours as a Family Medicine physician at Dover AFB, DE, and at Elmendorf AFB, AK. He next served as Squadron Medical Element, 19th Fighter Squadron, 3rd Wing, Elmendorf AFB. Following 3 years of advanced studies in

Public Health, Aerospace Medicine, and Occupational Medicine, he then served as Commander, 4th Aerospace Medicine Squadron, Seymour Johnson AFB, NC, and as AFMSA/SGP at Defense Health Headquarters in Falls Church, VA. He has deployed in support of Operations Iraqi Freedom, Enduring Freedom, New Dawn, and Combined Joint Task Force–Horn of Africa. He is a chief physician and senior flight surgeon, board certified in three medical specialties: Family, Aerospace, and Occupational Medicine.

Col. Hughes holds a B.S. in Biology (1992) from Messiah College in Grantham, PA, an M.D. (1996) from the Uniformed Services University of the Health Sciences in Bethesda, and completed the Aerospace Medicine Primary Course at Brooks City-Base, TX, in 2005. He later earned an M.P.H. at the University of Texas-Houston School of Public Health in San Antonio in 2008 and served residencies in Aerospace Medicine and Occupational Medicine at the U.S. Air Force School of Aerospace Medicine in 2009 and 2010. He also completed Squadron Officer School, Air Command and Staff College, and Air War College.

Col. Hughes is an Adjunct Professor at Liberty University and a member of the Aerospace Medical Association and the American Society of Aerospace Medicine Specialists. His awards and honors include the Air Force Longevity Service Ribbon with four oak leaf clusters, the Air Force Expeditionary Service Ribbon with gold border and one oak leaf cluster, the Global War on Terrorism Service and Expeditionary Medals, the National Defense Service Medal, an Air Force Achievement Medal, and a Meritorious Service Medal with two oak leaf clusters.

Hayes to Head Space Medicine Association

Judith Hayes, M.P.H., is the incoming President of the Space Medicine Association. Ms. Hayes is the Chief of the NASA Biomedical Research and Environmental Sciences Division within the Johnson Space Center (JSC) Human Health and Performance Directorate. Her career spans over 3 decades as a scientist and manager dedicated to ensuring astronaut health and performance during human space exploration. She was the PI on two flight experiments studying the effects of microgravity on skeletal muscle in astronauts. She has managed space physiology and environmental health laboratories, space medicine projects, and the integration of biomedical research for the Space Shuttle, Russian Mir-Shuttle, and International Space Station (ISS). In addition to JSC, she collaborated with the Gagarin Cosmonaut Training Center (GCTC) to establish several NASA biomedical laboratories housed in their facilities in Star City, Russia, to support NASA experiment and medical tests on NASA-Mir and ISS crewmembers. Currently, the SK Division is involved in research, operations, and/or project management components of several NASA programs: ISS, Commercial Crew, Orion, Human Research Program, and Space Biology. She continues to work closely with NASA's international partners on various international contracts to provide ISS medical and experiment support. She is a charter member of the International Countermeasures Working Group for developing global standards for spaceflight exercise, rehabilitation, and research.

Ms. Hayes is also the Director of the NASA Space Life Sciences Summer Institute, where she's hosted 1000+ students who have participated in this JSC educational institute that exposes interns and fellows to multidisciplinary challenges in space physiology, psychology, environmental health, and medicine related to human space exploration. She has lectured for various university programs, as well as various training programs for NASA flight surgeons and astronaut candidates. She has published journal papers and book chapters related to spaceflight exercise.

Ms. Hayes received a Bachelor of Science and Master of Science in Exercise Physiology from West Virginia University, followed by a Master of Public Health in Occupational Health/Aerospace Medicine from The University of Texas Health Sciences Center. She completed an appointment at The Royal College of Surgeons of England supporting epidemiologic research for the UK National Health Service. She has been recognized with various honors including the prestigious Silver Snoopy granted by the NASA Astronauts, as well as West Virginia University Hall of Fame, Outstanding Alumnus, and Academy of Distinguished Alumni. She is an active member of Sigma Xi and a Fellow in the Aerospace Medical Association.

LaVan to Lead Navy Flight Surgeons

CAPT Joseph T. LaVan is the incoming President of the Society of U.S. Naval Flight Surgeons. A native of Baltimore, MD, he earned a Bachelor's degree in Chemistry from the University of Miami. He graduated from the University of Miami's Miller School of Medicine in 1992 with an M.D. and completed an internship in Family Medicine at Naval Hospital Bremerton and subsequently served as a General Medical Officer in Adak, AK. After completing Flight Surgery training, he was stationed with Marine Air Group 26 and assigned to Marine Wing Support Squadron 272, and then to Marine Medium Helicopter Squadron 264 at Marine Corps Air Station New River, NC. While assigned to HMM-264 he deployed in support of Operation Joint Endeavor and Operation Assured Response and was selected as the Second Marine Aircraft Wing's Flight Surgeon of the Year in 1995.

CAPT LaVan completed his Family Medicine Residency at Naval Hospital Jacksonville and was board certified in 1999. After graduation, he was assigned to Naval Hospital Naples, Italy, where he served as the Department Head for Family Practice. He also served as the Triage Officer of the Hospital's Surgical Response Team and was instrumental in the creation of, and served as, the Team Leader of the newly formed Primary Care Response Team. In July 2002, he transferred to Naval Hospital Keflavik, serving as the Director of Outpatient Services while driving the creation of the CBR Incident Medical Response Team for NAS Keflavik. From 2004 to 2006, he completed the Fellowship in Family Practice Faculty Development at Madigan Army Medical Center, earning his M.P.H. degree from the University of Washington. He was assigned to Naval Hospital Camp Lejeune where he served as the Director of Medical Services and a member of the faculty of the Family Medicine Residency. He helped develop the Wounded Warrior Hope and Care Center for the USMC Wounded Warrior Battalion–East. In 2008 he attended the Residency in Aerospace Medicine and was assigned as the Senior Medical Officer on the USS George Washington (CVN-73) in Yokosuka, Japan. During this time, he helped coordinate the Battle Force–Seventh Fleet contributions to Operation Tomodachi, the U.S. Navy response to the massive earthquake, tsunami, and nuclear catastrophe that hit Japan in 2011.

In 2012, CAPT LaVan was selected as the Director of the Combined Army/Navy Residency in Aerospace Medicine, guiding the residency through a variety of changes in program structure, training requirements, and community needs until 2016. He was next selected as Officer-in-Charge of the Naval Aerospace Medical Institute where he has been instrumental in the expanding role of NAMI in both officer and enlisted aeromedical and operational medicine training, modernization of Naval Aeromedical standards and aviation aptitude testing, the aeromedical response for and research into environmental physiological events in tactical naval aviation and has supported deployment of the new Department of Defense Electronic Health Record as Chair of the Triservice Workflow Advisory Group–Medicine. He is board certified in Aerospace Medicine, Family Medicine, and Occupational Medicine. His personal awards include the Meritorious Service Medal (four awards), the Joint Service Commendation Medal, the Navy Commendation Medal (two awards), the Army Commendation Medal, and the Navy Achievement Medal.

Newly Elected Associate Fellows

The following members of the Aerospace Medical Association have achieved Associate Fellow status and were approved by the Executive Committee: David Andrus, Brent Barker, M. Bradley Brough, Eric Chumbley, Stephen Fischer, Michael Gallagher, Gabriel Gizaw, Sarper Karakucuk, Young Hwan Kwon, David Lerner, Mark McPherson, Kristian Mears, Robert Mulcahy, Joanna Nelms, Tony Schiemer, and Emmanuel Urquieta.

AsMA Scholarships for 2019 Announced

Anita Mantri Memorial Travel Scholarship

Flt. Lt. Joe Britton received the Anita Mantri Memorial Travel Scholarship from the Aerospace Medical Students and Residents Organization (AMSRO). He is a Medical Officer, currently training as a Registrar (Resident) in Aviation and Space Medicine at the Centre of Aviation Medicine at RAF Henlow, where he was posted after successful selection into the speciality in August 2018.

Flt. Lt. Britton studied Medicine at King's College London, graduating in August 2013. During this time, he joined the University of London Air Squadron, leading to an application for a medical bursary with the Royal Air Force. He found his passion for aviation medicine in 2009 when he undertook an intercalated B.Sc. in Aerospace Physiology at King's College London, graduating with First Class Honours and the SAFE Europe Student of the Year prize. His 2 years of Foundation Training were spent at MDHU Frimley Park, following which he began his General Duties Medical Officer year in the medical centre at RAF Coningsby before attending RAFC Cranwell for Specialist Entrant and Re-entrant officer training. Following graduation, he moved to RAF Henlow where he became a Member of the RAF Medical Board, performing permanent medical gradings for service personnel.

In August 2016, Flt. Lt. Britton returned to London to complete Core Medical Training at Chelsea and Westminster Hospital, achieving Membership of the Royal College of Physicians and securing a place on higher training in the new UK speciality of Aviation and Space Medicine. He has recently completed the Aerospace Medicine Diploma course at King's College London, being awarded D.Av.Med. qualification by the Faculty of Occupational Medicine in March 2019.

Throughout his training, Flt. Lt. Britton has been active in Aviation Medicine research and has applied his experience in the field to healthcare quality improvement projects based on safety lessons from the aviation industry. He has taught junior doctors, introducing them to aerospace medicine, and is currently working to help set up a national organization for medical students and junior doctors with an interest in the speciality. He has presented both nationally and internationally and written a chapter for the "Handbook of Aviation and Space Medicine," due to be published this year.

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

Karen M. Ong, M.D., Ph.D., is the 2019 recipient of the Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship. She is currently an Internal/Aerospace Medicine Resident at the University of Texas Medical Branch, Galveston, TX. She received her Ph.D. in Computational Biology from the Courant Institute of Mathematical Sciences in 2016 and an M.D. from New York University Medical School in 2018. Prior to her medical training, she graduated from Pacific Union College in California with a B.S. in Chemistry.

Dr. Ong began her career as a Strong Children's Summer Research Scholar at Strong Memorial Hospital, University of Rochester, in 2005. She became a Post-Baccalaureate Research Fellow at the Laboratory of Biological Modeling at the National Institute of Diabetes and Digestive Kidney Diseases, National Institutes of Health, in Maryland in 2006. In 2009, she worked at the Dustin Immunology Lab at New York University Medical Center and then transferred to the Blaser Microbiology Lab in 2010. She also served as a Medical Student Tutor in 2010. From 2011–2016, she studied Mathematical/Computational Epidemiology at the Courant Institute of Mathematical Sciences, New York University, NY. In 2014, until 2016, she was also an Interdisciplinary Science Tutor at New York University Medical Center.

Dr. Ong's awards include the Richard A. Jackson Memorial Scholarship from Pacific Union College, the American Institute of Chemists Award, being named a National Merit Scholar, Best Undergraduate Poster Award from the Society for Industrial and Applied Mathematics Life Sciences Conference, a SciArt Data Visualization Grant from New York, the Minkowitz Scholarship from New York University, the International Association of Military Flight Surgeon-Pilots Scholarship, a Bellagio II Travel Scholarship, and the Martin and Sarah Leibowitz Prize for Quantitative Biology from the Courant Institute of Mathematical Sciences. She is a member of the Society of Industrial and Applied Mathematics, the Aerospace Medicine Student and Resident Organization, the Aerospace Medical Association, and an honorary student member of the International Association of Military Flight Surgeon-Pilots.

AsMA International Scholarships

Michael R. Greene, M.D., Dip.Av.Med., M.ASc.,P.Eng., is the 2019 recipient of the Aerospace Medical Association International Scholarship. A native of Canada, Dr. Greene is currently a Resident Physician for the Vancouver Island and Vancouver Coastal Health Authorities in the Department of Emergency Medicine at the University of British Columbia. He is also a Consultant for the European Space Agency. He earned a B.ASc. in Space Engineering at York University in Toronto, Ontario, in 2007, and then an M.ASc. in Aerospace Engineering at the University of Toronto Institute for Aerospace Studies in 2009. He received his M.D. from the University of Calgary in 2015 and a Diploma in Aviation Medicine in 2019 from the Faculty of Occupational Medicine, Royal College of Physicians, in London.

Dr. Greene began his career as a Research Assistant for the NASA Phoenix Mars Lander in the Department of Earth and Space Science and Engineering at York University in 2006. He became GNC Engineer, MDA Space Missions, in 2009 at MacDonald Dettwiler and Associates, Ltd., in Brampton, Ontario. In 2012, he began serving as a Research Associate/Robotics Engineer for Project neuroArm at Seaman Family MR Research Center, Hotchkiss Brain Institute, University of Calgary, until 2015, when he took his current position. In 2018, he was a Visiting Researcher at the European Space Agency on the Space Medicine Team, European Astronaut Centre, Cologne, Germany. That year he also became a Consultant for the European Space Agency Medical Projects and Technology Team at Wyle Laboratories in Cologne, a position he also still holds.

Dr. Greene is a member of the Aerospace Medical Association, the Aerospace Medicine Student and Resident Organization, the Space Medicine Association, the Undersea and Hyperbaric Medical Society, the Canadian Undersea and Hyperbaric Medical Association, the Wilderness Medical Society, and the Professional Engineers of Ontario. His awards and honors include the Alexander Rutherford and York Entrance Scholarships, the Canadian Millennium Scholarship, the Allen S. Berg Award in memory of Mark A. Levy, an Ontario Graduate Research Scholarship, a Leaders in Medicine Symposium award for Best Poster Presentation in Group, and the Dr. Lindsay Leigh Kimmett Prize in Emergency Medicine.

Rochelle Velho, M.B.Ch.B., M.P.H. (Merit), B.Sc. (Hons.), ARaES, was the recipient of the 2019 AsMA International Aerospace Medicine Scholarship. She graduated from the University of Bristol with a B.Sc. (Hons.) in 2010 and an M.B.Ch.B. from the University of Birmingham in 2013. Thereafter, she completed the National Institute for Health Research (NIHR) Academic Foundation Program (AFP) in Public Health integrated with an M.P.H. She has recently completed the NIHR Academic Clinical Fellowship (ACF) in Anaesthesia and Critical Care Medicine. Research conducted during the AFP and ACF focused on a range of space-based solutions that included major incident management, mechanical CPR devices and systematic reviews on musculoskeletal morphology during bedrest.

Dr. Velho is the Chief Medical Officer for the Austrian Space Forum (OeWF). Previous expeditions include the Kaunertal Glacier in Austria (AMADEE-15) and Dhofar Desert in Oman (AMADEE-18). These experiences led her to establish a "Human, Space and Extreme Physiology" module both at the University of Birmingham and the University of Warwick medical schools. She began her career with OeWF in 2014, when she became a Mars Analog Mission Medical Team member. In 2017, she became the Mars Analog Missions Medical Team Lead. In tandem with a clinical and research career, she

is an active committee member on several space life science committees. In the UK, she has been the Treasurer for both the UK Space Environments Association (UKSEA) and the UK Space Life and Biomedical Sciences Association (UK LABS). She is also a founding member of the Aerospace Medicine Systematic Review Group, which aims to develop further evidence-based guidelines for terrestrial and aerospace medicine.

As a medical student, Dr. Velho's research into emergency medical countermeasures in hypogravity and microgravity led to a presentation at the 2011 ESA space medical workshop; an aerospace medical elective with Kings College London; the 2013 AsMA Stanley Mohler scholarship; and the 2014 European Resuscitation Council young investigator prize. The culmination of all her clinical and research experiences has resulted in her recent election as co-chair of the Space Generation Advisory Council Space Medicine and Life Sciences Project Group; a global platform for young professions to present space-based solutions to the United Nations to meet the Sustainable Development Goals. She is a member of the Aerospace Medical Students and Residents Organization and the Aerospace Medical Association.

Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship

Jennifer Ma, B.A., received the 2019 Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship. She is currently completing her M.D. degree at the Albert Einstein College of Medicine with Distinction in Research and will be joining Memorial Sloan Kettering Cancer Center for her Radiation Oncology Residency. Prior to that, she will complete a Transitional Year at Presence Saint Francis Hospital. Jennifer has been involved in a wide range of clinical and basic science research projects investigating the mechanisms of radiation damage and response, resulting in numerous manuscripts, oral and poster presentations, a review article, and a book chapter. Her laboratory research focuses on the utility of mutational signatures in DNA repair deficiency and radiation response, and has been featured in Nature Communications.

Jennifer was selected for the Aerospace Medicine Clerkship at Johnson Space Center, where she worked on a project entitled "Medical Kit Design for an Exploration Atmosphere Prebreathe Protocol Validation Test" which will be presented as a poster during the 2019 AsMA Scientific Meeting. She has served in a variety of positions at Memorial Sloan Kettering Cancer Center and was a Clinical Research Volunteer at Montefiore Medical Center in the Department of Radiology. She is a member of the Aerospace Medicine Student and Resident Organization and the Aerospace Medical Association. She has received the Harold and Muriel Block Institute Award for Clinical and Translational Research Excellence. She has also been an Honors Program Member at Fordham University and received an Albert Einstein College of Medicine Senior Research Fellowship.

In Memoriam: Mary Foley

Mary F. "Bunny" Foley, B.S., R.N., has passed away at the age of 90. Ms. Foley provided outstanding service to the Aerospace Medical Association (AsMA) for over 60 years. Her nickname was "Bunny," which comes from her love of rabbits and she worked tirelessly for many years to rescue unwanted house rabbits and find them loving homes (often her own!). She was also passionate about the Ninety-nines, the International Organization of Women Pilots.

Ms. Foley attended her first AsMA meeting in 1957 and joined AsMA in 1958, was elected a Fellow in 1977, and earned certification as an Aerospace Physiologist, also in 1977. She has been a member of the Aerospace Physiology Society since its inception and was its President from 1981–1982. She has served on AsMA's History and Archives Committee, the International Activities Committee, the Membership Committee, and, for more than 25 years, the Scientific Program Committee, where, in the days before computers she would help to deconflict presentations, acting as our own personal computer.

Ms. Foley earned a B.S. in Nursing in 1950 at St. Xavier College in Chicago, IL. From 1951–1952, she served as an Operating Room Nurse at the Mayo Clinic program at St. Mary's Hospital in Rochester, MN. From 1952–1958, she taught Operating Room Techniques first at Madison General Hospital in Wisconsin, then at Mercy Hospital/St. Xavier College. From 1953–1958, she also taught Medical and Surgical Nursing at Mercy Hospital/St. Xavier College. In 1957, she attended the Transportation Geography course at the University of Chicago, attained a private pilot license, and joined the North Central Section of the Ninety-Nines. She went on to earn commercial and instrument ratings. She has flown Pipper Cub, Aeronca 7AC, Cessna 120, 150, 152, 170, 172, Beech Musketeer and Beech T-34, Navion and Stinson Voyager.

From 1958–1960, Ms. Foley served in the USAF Nursing Corp, Active Duty, and was in the USAF Reserves from 1960–1985, retiring with the rank of colonel. She served at the Aviation Medicine Research Laboratory at Ohio State University in Columbus, and conducted research with Dr. Charles Billings on pulmonary function testing in an altitude chamber, effects of pressure changes on disease processes, and in-flight studies of professional pilot performance in response to oxygen/air mixtures. She was also a Mobilization Augmentee at Wright-Patterson AFB in Dayton, OH.

In 1966, Ms. Foley joined the Cardiopulmonary Laboratory at Ohio State University, where she conducted research until 1969. Also during that time, from 1963–1968, she served in the USAF Space Program in her spare time, volunteering as a subject in Navy motion sickness studies on zero gravity flights, Bárány chair rotation at 0 G, and stomach awareness. From 1969–1971, she pursued Ph.D. studies in physiology at Pennsylvania State University. From 1973–1984, she worked on the Medical Monitoring Team at Springs Textiles in Fort Mill, SC, where she conducted pulmonary function testing of mill workers, smoking cessation efforts, a hypertension survey, and studies of genetic factors in hypertension. In 1984, she began serving as an Agency Nurse at Manpower and Assured Health in Gurnee, IL. More recently, she was researching women in aviation for a book and presented papers at numerous national and international meeting, and has 14 journal publications.

She was a member of Silver Wings, AsMA, AsPs, SMA, International Women's Air and Space Museum, AOPA, and National Space Society. Mary was the recipient of the AsMA Marie Marvingt Award in 2009, for her contributions in aerospace physiology research, and the 2016 Mary T. Klinker Award for her dedication to advancing aerospace nursing, aerospace medicine and physiology, clinical health care, and industrial safety with her research and service.

Obituary Listing

AsMA staff were saddened to hear of the death of Mae D. Mercereau, USAFR (Ret.) in January. A flight nurse and native of Chicago, she earned an R.N. in 1962 from Ravenswood Hospital. She was commissioned as a 1st Lieutenant in the U.S. Air Force in 1967 and became a Flight Nurse after training at Brooks AFB, TX. During active duty, she served in Southeast Asia, Europe (mainly Germany), and several stateside bases. She received the National ANG Nurse 75 Award for Meritorious Service. She was a member of the Ravenswood Hospital Alumnae Association, the Association of Military Surgeons of the United States, the Retired Officers Association, the Reserve Officers Association, the Military Order of the World Wars, the Navy League of the United States, and an Associate Fellow of the Aerospace Medical Association, where she served on the Registration Committee for many years. Her name is displayed on the Wall of Honor at the Smithsonian's Air and Space Museum.

Future AsMA Annual Scientific Meetings

May 17–21, 2020
Hyatt Regency Atlanta,
Atlanta, GA

May 23–27, 2021
Peppermill Resort Hotel,
Reno, NV

April 3–7, 2022
Denver Sheraton Downtown,
Denver, CO

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Upcoming FAA AME Seminars

Dates	Location	Seminar Type
June 10–4, 2019	Oklahoma City, OK	Basic
Aug. 2–4, 2019	Washington, DC	Refresher
Sept. 20–22, 2019	Denver, CO	Refresher
Sept. 26–28, 2019	Cleveland, OH	CAMA
Oct. 28– Nov. 1, 2019	Oklahoma City, OK	Basic
Nov. 15–17, 2019	San Antonio, TX	Refeesher

PLEASE NOTE: The only FAA seminar AsMA takes registrations for is the one held in conjunction with our annual meeting in May. For all others, please contact the FAA.

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