

AEROSPACE MEDICAL ASSOCIATION FOUNDATION NEWSLETTER

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FOUNDATION BOARD

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Notes from the Chair

I want to introduce myself as the new Chair of the AsMA Foundation. Thankfully, I have a lot of help from our previous chair, Kim Bradwell, plus a very involved group of 12 Board members. The Foundation Board decided to have a representative of the Aerospace Medical Student and Resident Organization permanently on the Board and Ben Johnson has been appointed by AMSRO and has agreed to serve. There are three things that I want everyone to know about the Aerospace Medical Association Foundation.

First of all, donations to the foundation are tax deductible and they grow rapidly as they are immediately invested into our brokerage account which has performed well year after year. The average return on investment in the last 10 years has been 9% and last year was over 15% ! The foundation assets have increased from \$658,500 on 12/23/23 to \$890,000 as of 10/1/24. The year-to-date donations for 2024 are \$82,600.00. We still have a goal of reaching \$5 Million by 2029 in our *Need for Speed* campaign. It is easy to donate by going to our web site, asmafoundation.org. On-line donation by credit card, PayPal or bank transfer is now easy and secure with our new software. You can designate a Fund, donate as a tribute to someone, and set up a monthly recurrent donation to suit your budget.

Secondly, I want everyone to know what the Foundation enables the AsMA organization and its constituents to achieve. The Foundation has 17 dedicated funds that are responsible for funding over 20 yearly scholarships. These very competitive scholarships are mostly directed at students, residents, and aerospace medical professionals that are early in their careers. **It is the most important mechanism that the AsMA organization has to grow, encourage, and develop the field of Aerospace Medicine.** It encourages early achievement and recognizes people for their interest and early dedication to the field.

Third, the Foundation allows a mechanism where people who have spent their career in Aerospace Medicine can give back to a field that has given them so much. It is not important whether someone gives \$100 or \$10,000. But if Aerospace Medicine has benefited your life, then we would hope that you would participate in the Foundation at some level. For many of us, we feel that it is important that we establish a legacy that will continue after we are no longer at the annual meeting in fellowship with our life-long colleagues and have established dedicated funds that will fund scholarships long into the future. Please consider participating in the AsMA Foundation.



Mark R. Campbell, M.D., Chair

FOUNDATION ANNOUNCES *NEED FOR SPEED* FUNDRAISING CAMPAIGN IN ASSOCIATION WITH THE 100TH ASSOCIATION ANNIVERSARY



At the 2023 scientific meeting in New Orleans the AsMA Foundation announced a new \$5 million fund raising campaign to coincide with the 100th AsMA anniversary in 2029. The fund is planned to accelerate and empower the education, training, and research efforts of the next generation of physicians, scientists, physiologists, nurses, and aeromedical managers that will take human presence to deep space

and higher, faster, and safer in the atmosphere. Specific targets for the funds include supporting education and graduate training in aerospace medicine, expanding technology in our field, establishing seed grants and support for young investigator research, and aeromedical support for training and support of the new workforce needed in commercial spaceflight. *The Need for Speed: Farther, Faster, Together* campaign seeks to reach the target goal in time to celebrate AsMA's 100th anniversary in May 2029. While a campaign of this magnitude will require some major gifts, the key to its success will be that all AsMA members participate in some way that fits their individual financial situation.

BOARD REPORT

We are pleased to welcome Ben Johnson, MD MSc as a new board member of the AsMA Foundation for a three-year term. He is currently a PGY-2 resident in Emergency Medicine at Stanford Health Care, and he is happy to join the board to provide perspective as a trainee and former scholarship recipient. Within AsMA, he recently finished serving a two-year term as AMSRO president (AsMA's student and resident org), and also serves on the Education and Training Committee.

TREASURER'S REPORT

Thanks to the hard work of previous and current Foundation Board Members as well as the many generous donors, the Foundation continues see strong financial growth. Total assets are at \$903,554 which includes the Pershing Investment account and banking accounts.

The Foundation fund balances continue steady growth from many donors and strong investment performance with a total balance of \$857,813. There are currently 17 named funds managed by the Foundation and one unrestricted fund. Most of those funds support the scholarships/awards that are presented annually. The 2024 winners are listed below.

Contact the Foundation Chair, Mark R. Campbell, if you wish to initiate a new fund to support a specific scholarship or to honor a person or theme. The Foundation is also thankful for the many other very generous unrestricted donations from AsMA Members during AsMA registration and throughout the year.

The Foundation's new donation website is easier to use and eliminates the fees that were associated with previous methods of on-line donations. Your donation can go to a specific fund or to unrestricted fund which supports among others the annual Fellows Awards.

Several AsMA members have made their donations an automatic monthly occurrence. What better way to support the development of the Foundation? You can do so by going to the [AsMA Foundation Donation webpage](#).

This year the AsMA Foundation provided \$17,500 in scholarships and awards benefiting 18 very deserving awardees.

Awardee	Amount	Fund	Scholarship/Award
Hellen Vasquez	\$1,250	General/Belland	AMSRO Trail Blazer Award
Daniel Ely Kaganov	\$500	ASAMS	Charles Berry
Joseph Keith Britton	\$2,000	AsMA Fellows	AsMA Fellows Scholarship 1st Place
Brian Charles Hanshaw	\$1,000	AsMA Fellows	AsMA Fellows Scholarship 2nd Place
Daniel Ely Kaganov	\$500	Jeffrey R. Davis	Jeffrey R. Davis Medical and Graduate Education Scholarship
Claudio Franc	\$1,000	Scarpa Jr.	Aerospace Med. Scholarship
Nereyda Lucia Sevilla	\$2,000	Goldenrath	Walter and Sylvia Goldenrath Award
Nina Purvis	\$1,000	Mantri/Belland	Anita Mantri Scholarship
Dora Babocs	\$1,000	Mohler	Stanley Mohler Scholarship
Katie Samoil	\$1,000	Louis Marshall	Louise Marshall Nursing Scholarship
Milad Dulloo	\$750	SMA	SMA International Scholarship
Diana Gabriella Hume Rivera	\$500	SMA	SMA JBC Scholarship
Christina Mackaill	\$500	SMA	SMA KBR Ellis Scholarship
Aaliyah Gaffey	\$750	SMA	SMA Dervay Undergraduate Scholarship
Craig Kutz	\$500	SNFS	Society of NASA Flight Surgeons Scholarship
Ami Mange	\$1,000	SSA	Space Surgery Association Future Researcher Award
Jeffrey Hovis	\$1,250	Tredici	Thomas Tredici Award
Bridget Rinkel	\$1,000	Myers	Jeffrey Myers Young Investigator Award

ANAHPS ANNOUNCES THE MARY F FOLEY ENDOWMENT FIFTH ANNUAL EVENT ON LEADERSHIP IN AEROSPACE MEDICINE

The fourth annual Mary F Foley Endowment panel was held during AsMA's 94th Annual Scientific Meeting in Chicago. The theme highlighted "Influential Women on the Frontiers of Space Medicine Exploration: Lessons on Leadership." The panel was categorized as educational and served to mentor attendees to learn and emulate the leadership qualities of the women who were profiled.

Aerospace Nursing and Allied Health Professionals Society (ANAHPS) and Aerospace Human Factors Association (AsHFA) co-sponsor the 5th Annual Mary F Foley Endowment Event in Honor of her Multidisciplinary Legacy. Planning of the 5th annual event of the Mary F Foley Endowment entitled



"Synergy of Multidisciplinary Collaboration in Aerospace Medicine: Principles and Practices of Mary F Foley," is well underway for the 95th AsMA Scientific meeting in Atlanta. This year's panel will focus on the research, operational service, and revolutionary efforts of Mary (Bunny) Foley RN. BS. Col. USAF (ret) among the first class of physiologists to be granted Board certification in Aerospace Physiology. Her service record commends her contributions to her dedication to quality of patient care in aeromedical transport: performance of groundbreaking research on the effects of weightlessness on lung capacity, and the likely performance limitations on astronauts: the stress reduction benefits of

cooling helmets for F-16 fighter pilots; and the importance of nutrition in acceleration stress tolerance. In addition, flying as a scientist and test subject in zero-gravity parabolas and operating the human centrifuge to understand G-force limits for pilots, represents her diversity in advanced pioneering and leading-edge research.

The panel will consist of five experts from different professions, who will integrate their specialized bodies of knowledge and skills to create a multidisciplinary synergy. Such collaboration will represent a simulated role of support to optimize Mary's initiatives as described. These disciplines include aerospace physiology, portrayed by Dr. Lloyd Tripp PhD, FAsMA; Physical Therapy represented by Dr. Clint Copeland DPT. OCS; Pharmaceuticals portrayed by Emma Ives Pharm D Candidate; Occupational Nursing portrayed by Cathy DiBiase RN. FAsMA; and Human Factors represented by Dr. Annette Sobel MD. MS. FAsMA, Major General (Ret). The chairperson is Marian B Sides PhD. MSN. FAsMA; Co-Chair is Karen Klingenberger MD.MPH. MS. BSN. Panel discussion will embellish awareness of synergistic benefits that emerge from collaborative engagement. The panel will offer inspiration, mentoring tips and leadership development for AsMA membership.

The Mary F Foley Endowment was established in her honor to perpetuate her legacy and to encourage other women to follow in her footsteps. The AsMA Foundation recognizes the continuous growth of the Mary F Foley Endowment fund which has reached \$20,000. Monies are used to support educational events and outreach activities on social media platforms, podcasts, and webinars to increase visibility and attract new members to fortify AsMA and the ANAHPS constituent organization. Emphasis is given to topics of interest and initiatives that support the development of interdisciplinary teams with skill

sets that serve the future needs of traditional aerospace medicine and emerging commercial space travel.

Contributions and investments to assist in these efforts to recognize women and to facilitate leadership development is greatly appreciated. If you wish to support these initiatives, please contribute to the Mary F Foley Endowment fund. Many thanks to all who have already contributed.

Marian B Sides PhD, MSN, FAsMA Past President AsMA

WINNERS OF THE 2023 ASMA FELLOWS SCHOLARSHIP



Dr. Joseph Keith Britton

The AsMA Fellows Scholarship Committee is pleased to announce their selection of the 2023 scholarship winners. The 1st Place Winner was Dr. Joseph Keith Britton for his presentation and published manuscript on "Initial Investigation of a Grating Stimulus as a Visual Endpoint for Human Centrifuge Research."

The 2nd Place Winner was Dr. Brian Charles Hanshaw for his presentation and manuscript on "Spaceflight Recovery Considerations for Acute Inhalational Exposure to Hydrazines".



Dr. Brian Charles Hanshaw

The AsMA Fellows Scholarship is funded by the AsMA Foundation and is presented annually to two AsMA members who are students in an aerospace medicine residency program, graduate program in aerospace medicine (Master or Ph.D.), medical certificate or aerospace diploma course, or in a full-time education/training program in the allied fields of nursing, physiology, human factors, psychology, ergonomics, and engineering. Selection criteria include delivering a slide or poster presentation as a first author at the AsMA Annual Scientific Meeting and then submitting a manuscript as first author for publication in AsMA's Aerospace Medicine & Human Performance (AMHP) Journal based on the same topic and/or material covered in the slide or poster presentation. The 1st and 2nd Place Winners are selected by the AsMA Fellows Scholarship Committee based on the highest scientific value, originality, quality and relevance of the applicant's presentation and AMHP manuscript related to the field of aerospace medicine (including allied scientific disciplines). Special consideration is given to those applicants who are at an early stage in their career development. The scholarship monetary awards are used for the purpose of underwriting, in whole or in part, the cost of registration fees, transportation, hotel accommodations, or any other valid fees or expenses incurred by the winners in relation to their attendance at one or more scholarly meetings on topics related to aerospace medicine.

Regarding the 2024 AsMA Fellows Scholarship there were 14 candidate presentations evaluated in Chicago. As of October 31st, 4 manuscripts were accepted for publication. The committee will evaluate these 4 manuscripts in the following 3 weeks and the final scores will be tallied with the corresponding scores of the presentations to determine the winners for 1st and 2nd place.

Melchor Antunano, M.D., M.S., Chair, Fellows Scholarship Committee

2024 RICHARD “DICK” TRUMBO 5K PREVENTIVE MEDICINE FUN RUN/WALK HELD ON MONDAY, MAY 6, 2024 IN CHICAGO



The 23rd Annual Richard “Dick” Trumbo 5K Preventive Medicine Fun Run/Walk was held for 155 registrants on Monday, May 6, 2024, in Chicago on the scenic Lake Michigan Lakefront Trail. The Trumbo Run/Walk event is supported by an endowed fund established by Peggy Trumbo and the friends and colleagues of Dr. Trumbo. UTMB provided medial support and race shirts.

While everyone who participated in the Run/Walk was a winner, this was a very competitive field. Top female and male runners were identified for three age brackets:

- 35 & Under: Female: Grace Mowtschan 27:30, Male: Tayton Hess 6:47
- 36-50: Female: Karen Ong 21:15, Male: Ben Easter 18:43
- Over 50: Female: Harriet Lester 33:51, Male: Tom Luna 26:02

The 2025 Trumbo Run/Walk is still in the planning phases but will start at 6:00 AM on Monday, June 2, 2025. The Atlanta 5K event will be conducted in a city park near the Hyatt Regency Atlanta Hotel and should provide participants with a beautiful 5K course in the early morning. We hope you will be able to attend the AsMA 95th Annual Scientific Meeting in Atlanta and hope you will choose to participate in the Trumbo Run/Walk.

WINNERS ANNOUNCED FOR THE 2024 AWARDS SPONSORED BY ASMA FOUNDATION ENDOWED FUNDS

Walter and Sylvia Goldenrath Award – Nereyda Lucia Sevilla

Nereyda Sevilla, MPH, Ph.D., CAsP, FAsMA, received the 2024 Walter and Sylvia Goldenrath Award for her unmatched accomplishments. Her actions as an operational physiologist, researcher, safety



Nereyda Lucia Sevilla

investigator, and program manager directly impacted Department of Defense operations and policy. She has over 20 years of active participation in the Aerospace Medical Association. As a U.S. Air Force Aerospace Physiologist, she reviewed international aerospace physiology programs, evaluated commercial-off-the-shelf simulators, revised aerospace physiology regulations, and worked directly with the Chief of Aerospace Physiology for the first ever Air Force wide deployment of Human Performance Training Teams. She was one of the first Air Force physiologists trained as a ground safety officer, paving the way for

future physiologists. As a subject matter expert, she revamped the Air Force Aerospace Physiology refresher course for transport, tanker, and bomber aircraft. Her master's thesis in G-induced loss of consciousness has been foundational for targeted acceleration training for fighter aircrew. Her findings and recommendations continue to have an impact in this post-pandemic society. Dr. Sevilla is the Chief of the Clinical Investigations Program Office (CIPO) within the Research and Engineering Directorate of the Defense Health Agency (DHA). She has program oversight of 19 Military Health System Clinical Investigation Programs which executes over \$23M in infrastructure and research funding and over 1500 Graduate Health Science Education (GHSE) protocols. Prior to her assignment at DHA, she was the Chief of the Clinical Investigations for the Air Force and the Human Performance Thrust Area manager for Research and Development. From 2007–2019, she worked directly with Major Commands and operational users for the development of a human performance portfolio that addresses current knowledge and technological needs and requirements. Dr. Sevilla entered the Air Force in 1997 after attending the U.S. Air Force Academy. She was selected to enter the Aerospace Physiology career field with an assignment at Holloman AFB conducting centrifuge and altitude chamber training. She moved on to hold the Aerospace Physiology Management Fellowship in the Office of the Surgeon General and completed a Masters in Public Health at the Uniformed Services University of the Health Sciences with a concentration in biostatistics and epidemiology. Further assignments included Chief of Human Performance Training Teams at Whiteman AFB, MO; and Kunsan AB and Osan AB, South Korea. As part of Team Aerospace, she worked closely with aerospace medicine, life support, wing safety, and other agencies to provide just-in-time human performance training needed to safely and effectively accomplish the missions. She was hand-selected for multiple aircraft safety investigation and accident investigation boards with leading causes that included spatial disorientation and g-induced loss of consciousness. Dr. Sevilla has been an active member of AsMA since 1998. She was the President of Aerospace Physiology Society from 2016–2017 and AsMA Treasurer from 2018–2022. She has been part of the Nominating, Aviation Safety, and a regular annual member of the Scientific Program Committee. Her awards and honors include Civilian of the Year from both the Air Force Medical Support Agency and the Office of the Air Force Surgeon General, the Paul Bert Award for Research from the Aerospace Physiology Society, an Award for Meritorious Civilian Service from the Department of the Air Force, the Research and Development Innovation Award from the Life Sciences and Biomedical Engineering Branch, and the Theodore C. Lyster Award from the Aerospace Medical Association.

THOMAS J. AND MARGARET D. TREDICI AWARD - Jeffery K. Hovis



Jeffery K. Hovis

Jeffery Hovis, O.D., Ph.D., FAAO, FAsMA, receives the 2024 Thomas J. and Margaret D. Tredici Award for his expertise as an active researcher, peer reviewer, educator, and consultant in occupational vision performance, especially within human factors and aerospace medicine. His original research, test designs, and academic teaching about aviation-related color vision tasks and testing has established

him at the pinnacle of those disciplines, earning him international recognition and endorsement as a course instructor for AsMA's special "Color Vision in Aviation" courses. He is a highly regarded consultant for numerous international aviation agencies and regulatory authorities and is an active peer reviewer for 20 professional journals. He is a prolific and accomplished scientific writer with over 71 major publications, 95 Technical Reports, 14 invited presentations, 16 refereed proceedings, 5 academic book chapters, and over 100 other abstracts, posters, presentations, and book reviews, including 12 AsMA posters and presentations. He has been recognized internationally for his academic excellence and teaching expertise. Dr. Hovis received his Doctor of Optometry and Master of Science degrees from The Ohio State University and his Ph.D. degree in Physiological Optics from Indiana University before joining the University of Waterloo School of Optometry and Vision Science faculty, where he has been a member for over 35 years. He has an active research program in developing performance-related vision standards for law enforcement, aviation, maritime and railway industries. This research path started with his participation in a review of the Canadian aviation vision standards in the late 1980s and has remained his primary focus. He has collaborated with the FAA Civil Aerospace Medical Institute on studies involving hypoxia and color vision deficiencies and participated in several color vision panels at the annual AsMA meetings. Other opportunities for research projects in other transportation sections led to the development of a lantern test and a color vision test for dispatchers used by the Canadian railways. He was also involved in investigating visual performance and optical properties of ballistic protective eyewear for the Canada Land Forces. He is currently part of the team investigating the color vision requirements and testing protocols for Royal Canadian Air Force aircrew. He recently completed a term as the President of the Canadian National Committee of the Commission Internationale de l'Eclairage and Division 1 member on vision and color. Dr. Hovis awards include the Bing Memorial Award, Auxiliary of the American Optometric Association Education Award, American Optometric Foundation Fellowship, two Awards for Outstanding Papers, two William E. Collins Awards from the Aerospace Human Factors Association, and selection as a Fellow of the Aerospace Medical Association (AsMA). He is also a Fellow of the American Academy of Optometry and a member of the Canadian Optometric Association, the International Color Vision Society, and the Association for Research in Vision and Ophthalmology.

ANITA MANTRI, Ph.D., MEMORIAL TRAVEL SCHOLARSHIP – Nina Purvis



Nina Purvis

The Mantri Scholarship honors the life of Dr. Anita Mantri who was a student leader in the MD/PhD program at Texas A&M when she was fatally injured in an automobile accident. The Award is funded through a permanent endowment created by the Mantri family. Receiving the Mantri Award in 2024 was Dr. Nina Purvis. Nina Purvis is a junior doctor in the NHS with an interest in extreme environment physiology and health. Her interest in space medicine stems from her undergraduate and Master's studies in Astrophysics (M.Phys.), which she has amalgamated with a Ph.D. in Cancer Research, studying medicine as a graduate-entry student (M.B.B.S.), and taking a year out to complete a second Master's in Space Physiology and Health. She worked as a Postdoctoral Research Fellow in the United States before medical school. She is now completing her PGY-2 year, with a view to starting her next stage of training in summer 2024. Dr. Purvis has completed the ESA Space Physician Training Course and UTMB PASM internship, being that year's Shaskan Scholarship winner. She is also a past winner of the Aerospace Speaker's Travel Grant from the Royal Aeronautical Society, the Space Medicine Association's International Scholarship, and the Red Flower Vacation Scholarship. She has additionally won awards for research and presentations. She is currently Junior Chair Elect of the AsMA Associate Fellows Group and has contributed to AsMA and AMSRO over the past 6 years, including judging scholarships, publishing in AsMA's journal, helping organize AMSRO elections, running a lecture series during COVID-19, and being an active member and mentor of the next generation of aerospace medicine.

STANLEY R. MOHLER, MD, AEROSPACE MEDICINE ENDOWED SCHOLARSHIP – Dora Babocs



Dora Babocs

The Stanley R. Mohler, MD, Aerospace Medicine Endowed Scholarship is offered by AsMA's Foundation is intended to provide a training grant to help students and residents in aerospace medicine fund their studies or research activities. Full-time students and residents from any country are eligible, but priority will be given to those early in their careers and to those who are members of the Aerospace Medical Association (AsMA) and the Aerospace Medical Association Student and Resident Organization (AMSRO). Dora Babocs is a medical doctor with an aim to make surgical procedures a safe option for future deep-space missions. She is currently serving as a Postdoctoral Research Fellow at UTHealth's Advanced Aortic Research Program. Her journey into the realms of medicine and space exploration began in Szeged, Hungary, where she embarked on her career as a General Surgery resident. Driven by a profound curiosity about the cosmos, she is concurrently pursuing a Bachelor's degree in Astronomy and Planetary Science, just graduated as a space specialist in life sciences, and participated in ESA's Space Physician Training 2023. She also plays an integral role in the Biomedical Engineering Group at the Austrian Space Forum (OeWF), contributing her expertise to Mars analog

missions. Additionally, she serves as a scholar-in-residence at iGAIN, European Representative of the International Outreach Committee at AMSRO, and as National Point of Contact for Hungary at the Space Generation Advisory Council, fostering international collaboration in space exploration. Dr. Babocs was also selected for the Forbes 30/30 list in 2024. She leads and participates in multiple international projects and activities related to space surgery and is an author or co-author of 3 peer-reviewed articles, 11 other articles, and 2 book chapters. In 2022, she was awarded the Keck Medicine of USC Travel Scholarship from the University of Szeged, Albert Szent-Györgyi Medical School, and won a Best Poster award in February 2024. She is a member of the American Society of Aerospace Medicine Specialists, the Space Surgery Association, the Aerospace Physiology Society, and the Aerospace Nursing and Allied Health Professionals Society.

PHILIP J. SCARA, Jr. AEROSPACE MEDICINE ENDOWED SCHOLARSHIP – Claudio Franc

The Philip J. Scarpa, Jr., Aerospace Medicine Endowed Scholarship is intended to support travel costs for an individual to attend the Annual Scientific Meeting of the Aerospace Medical Association. Preference is given to those with expressed financial need, first-time attendees to the meeting, and those early in their careers. Previous winners of an AsMA scholarship are ineligible for this scholarship. Support for aerospace medicine teaching and research is also possible if travel to the meeting does not exist (e.g., no planned annual meeting or in-person meetings become obsolete).



Claudio Franc

Claudio Franc was born in the northwestern region of Romania, colloquially known as Transylvania, and immigrated to the United States with his mother when he was 5 years old. As a child, his favorite question to be asked was “what do you want to be when you grow up?” because that always gave him free reign to start talking about his favorite topic and how he has always dreamed of becoming an astronaut. From reading *On the Shoulders of Giants* by Stephen Hawking at a young age, to traveling to the Kennedy Space Center for his 10th birthday, his fascination with the field of space exploration is as boundless as the universe itself. He has travelled all over the globe and has lived in many states but calls Louisiana his home. In 2019, he graduated with his Bachelor of Science degree in Molecular Biology from Southeastern Louisiana University, with minors in chemistry, history, and psychology. In 2021, he earned his Master of Business Administration degree from the same university before matriculating into medical school at St. George’s University, where he is currently enrolled as a third-year medical student. While being engaged in his clinical rotations in New York City, Claudio is also concurrently completing his Master of Public Health degree at Johns Hopkins University. Upon graduation next summer, he hopes to match into a general surgery residency and enlist in the U.S. Air Force with the dream of one day serving his country as a surgeon. He also aspires to further his knowledge and training by completing an aerospace medicine fellowship so that he may serve as a flight surgeon, with the aim of treating and preventing a variety of diseases not only here on Earth, but also, hopefully, among the stars. He is a member of the Thieme Group, where he is a Student Ambassador, and the Advocates for Safe Air Policy and Safe Air for Everyone, where he serves

as a Council intern. He is a past winner of the Welch Scholarship from Johns Hopkins University and multiple awards from both St. George's University and Southeastern Louisiana University.

SPACE SURGERY ASSOCIATION FUTURE RESEARCHER AWARD



Ami Mange

The Space Surgery Association Future Researcher Award is presented to a member of the Space Surgery Association who early in their career has demonstrated achievement, future potential, or interest in Aerospace Medicine with an emphasis on surgical care in space. The recipient of the 2024 award was Ami Mange. She has a Bachelor of Science in Neuroscience from Johns Hopkins University (and a minor in Space Science and Engineering with a Space Medicine focus). At John Hopkins she worked on a project investigating the effects of space radiation on cognitive function in rodents. She was then a Research Assistant at a clinical space medicine lab at the University of Pennsylvania School of Medicine under Dr. David F. Dinges where she investigated the effects of stress, isolation, and confinement on

biomarkers and physiological health and emotional valence in astronaut surrogates. She is now at the Yale School of Medicine, where she will graduate with her MD in 2025 and is currently a 5th (research) year medical student engaged in clinical neurosurgery research. At Yale, she founded a chapter of the Aerospace Medicine Student & Resident Organization (AMSRO), which now boasts over 90 members. She has accumulated many awards, honors and publications. Her long-term career interests and goals involve combining neurosurgery, neuroscience and space medicine.

SPACE MEDICINE ASSOCIATION JEFFREY R. DAVIS MEDICAL AND GRADUATE EDUCATION ENDOWED SCHOLARSHIP

Former Aerospace Medical Association (AsMA) President, Jeffrey R. Davis and Kathryn A. Holland have generously funded a new endowment to support aerospace medicine. The Jeffrey R. Davis and Kathryn A. Holland endowed fund was established in January of 2024 to support a scholarship in the Space Medicine Association (SMA) to further student's interest in Space Medicine and the Aerospace Medical Association. The scholarship will be awarded annually. To be considered for the scholarship, applicants must be students in medical or graduate school who have demonstrated academic achievement and shown an interest in Space Biology and Space Medical Operations (e.g., biomedical engineering, space flight physiology, pharmacy, human factors research, nursing, psychology, safety, life sciences, etc.). "Through this scholarship, we hope to encourage and promote the field of space medicine for students in many different disciplines. It was an honor for us to establish this fund to provide opportunities for students to pursue this exciting field and to develop future practitioners of space medicine." Many thanks to Jeff and Kathy for establishing this important endowment.

SUPPORTING THE ASMA FOUNDATION

The AsMA Foundation supports aerospace medicine, the allied fields, and the Association through scholarships, awards, research grants, scientific publications, professional development, educational opportunities, and other activities. With the help of recent donations and gifts transferred from the

annual meeting registration process, the funds of the constituent organizations, endowments, and Foundation now total \$890,000. Foundation and its mission continue to be dependent upon generous donations from AsMA members and friends. We thank all the donors and supporters of the Association and the Foundation whose contributions continue to make a difference in aerospace medicine and the allied fields. We thank all our donors and encourage those who have not contributed to help the Foundation reach its next goal. While the Foundation's unencumbered funds are limited, there has been considerable effort to find specific activities and projects that the Foundation can support for the Association. Please consider donating to help us accomplish this goal and continue our ongoing programs. However, it is also possible to designate Foundation gifts to existing Foundation endowed funds or constituent organization funds held in the Foundation's pooled investment fund.

These funds include:

Fund Name

Fund Supports

Stanley R. Mohler Fund	Scholarships
Walter and Sylvia Goldenrath Fund	Aerospace Physiology Award
Thomas and Margaret Tredici Fund	Aerospace Ophthalmology Award
Richard B (Dick) Trumbo Fund	Trumbo Preventive Medicine Activity
Mary Foley Fund	Leadership Events for Women in Aerospace
Anita Mantri Fund	AMSRO Mantri Travel Scholarship
Jefferey Myers Fund	SMA Young Investigator Award
Phil J. Scarpa Fund	Travel Funding for Scientific Meeting Attendance
John B. Charles Fund	Research Fellowships
Jeffrey R. Davis and Kathryn Holland Fund	Space Medicine Association Endowed Scholarship
Kris M. Belland Fund	Unrestricted-Mantri, AMSRO Trailblazer 2023
Mark and Betsy Campbell Fund	SSA Future Researcher Award
Richard and Issy Jennings Fund	Unrestricted
Society of NASA Flight Surgeons Fund	Scholarships and Awards
Space Medicine Association Fund	Scholarships and Awards
ANAHPS Louis Marshall Fund	Scholarships, Research, and Training in ASN
ASAMS Fund	Scholarships, Research, Education, Travel

It is also now possible to donate cash gifts through the Foundation's website noted below. Gifts may include the donation of securities, bequests, life insurance, savings bonds, retirement plan assets, or real estate. Richard Jennings provides relevant information regarding members who wish to limit tax liability associated with Many of these methods can limit tax liability, but it is prudent to consult a tax advisor. Donating stocks or securities directly to the Foundation is easy and requires no more than emailing the Board Treasurer for simple transfer instructions (treas@asmafoundation.org). If you prefer, you can call Jeff Sventek of the AsMA HQ office at 703-739-2240 ext 105. For more Foundation information, visit the Foundation website at: <https://asmafoundation.org> As you consider your next contribution, keep in mind that donations can be done through:

- Credit Card donations

- Donations can be made by pushing the Donate Now button on the Foundations web page – <https://asmafoundation.org>
- Donations through PayPal
- Donations of stocks and securities
- Donations of Charitable Gift Distributions
- Donations by check using the form below
- AsMA members should also consider joining the Heritage society and include the Foundation in their estate planning or by designating future gifts

SPECIAL DONATION OPPORTUNITY FOR OLDER ASMA MEMBERS AND COLLEAGUES

The IRS recently announced encouraging news for older AsMA members. Those on social security will receive a 2.5% cost-of-living allowance increase (COLA) in 2025. The age for Required Minimum Distributions (RMDs) from an IRA has been increased by the Secure Act 2.0 to age 73 for individuals that were 73 on or after January 1, 2023 and will increase to 75 for persons turning 75 on or after January 1, 2033. Those already 70.5 years of age have opportunity to reduce their taxable income and support qualified charitable organizations such as the AsMA Foundation through Qualified Charitable Distributions (QCD) from their IRA. QCDs were introduced as part of the Pension Protection Act of 2006, which included several provisions aimed at encouraging philanthropic giving and providing tax benefits for retirees. While the original QCD limit each year for an individual was \$100,000, the Secure Act 2.0 allowed for inflation-based increases. For 2024, the limit is \$105,000 and has been increased to \$108,000 for everyone in 2025. This also means that a couple could contribute \$216,000 in 2025. While this level of giving will be outside the ability of most members to consider, we will need a few larger donors to help us reach the *Need for Speed* campaign goal of 2.5 million dollar in time to celebrate the 100th anniversary of AsMA. The opportunity to support qualified organizations with QCDs remains a tax-efficient way to support important causes for those required to take RMDs. One of the primary benefits of QCDs is the potential for tax savings through reduction of adjusted gross income (AGI) plus QCD gifts count toward satisfying RMD requirements. QCDs must be made from an IRA and not a profit-sharing plan, 401(k), or employer sponsored plan. However, 401(k) plans may be converted to an IRA when QCDs become important to an individual's tax and charitable giving plans.

For those interested in QCDs, here is some additional information. The basic rules are:

- the IRA custodian must make the check payable directly to the qualified charity, educational institution, or other tax-exempt institution,
- the aggregated IRA distribution amount for an individual must be \$105,000 or less in 2024 and \$108,000 in 2025 (donors can have multiple smaller QCDs to more than one qualified organization or charity),
- the individual IRA account holder must be 70.5 or older.

The individual donor should retain a receipt from the charitable organization and Form 1099R from the IRA custodian confirming the contribution before filing their income tax return. A QCD does not impact those who take the standard IRS deduction. QCDs can only be made to qualified charitable organizations, such as public charities, religious organizations, educational institutions, and certain other types of tax-exempt organizations. The AsMA Foundation qualifies for acceptance of QCDs under IRS guidelines. Donations to donor-advised funds, private foundations, and supporting organizations do not qualify for QCDs. QCDs must be made by December 31st of the tax year to count for that year. It is prudent to initiate the transfer well in advance to ensure it is processed in time. As always, each individual's situation is unique, and it is important to work with one's tax advisor for advice regarding each donor's situation. (Prepared by Richard Jennings)

CONTACTING THE FOUNDATION

AsMA FOUNDATION

320 S. HENRY ST.

ALEXANDRIA, VA 22314

Life's most persistent and urgent question is, 'What are you doing for others?' *Martin Luther King, Jr.*

Thank You for Supporting the AsMA Foundation

Donation Amount: _____ Purpose of donation? _____

Name: _____

Payment:

My check payable to the AsMA Foundation is enclosed

Address: _____

Please Charge my credit/debit card

Card Number _____

Exp Date _____

Name on Card _____

CVC Code (3 numbers on back) _____

Mail to: AsMA Foundation

Signature: _____

320 South Henry St.

email: _____

Alexandria, VA 22314