

AEROSPACE MEDICAL ASSOCIATION FOUNDATION NEWSLETTER

Volume 20 / Spring 2025

ASMA FOUNDATION BOARD OF DIRECTORS

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Hope Springs Eternal in the Human Breast

The foundation assets have increased from \$658,500 on 12/23/23 to \$870,000 as of 12/31/24. The average return on investment in the last 10 years has been 9% and last year was over 15% ! The total donations for 2024 were \$106,600.00. 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.

The Foundation wants to express its appreciation to Russ Raymond for pledging all of the royalties for his new book, “My Hallowed Ground”, and to Kim Broadwell for pledging his royalties from his new book, “Ruthless Sly”.

The Foundation has 18 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.

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.

Mark R. Campbell, M.D., Chair



The Need for Speed - 2025



FOUNDATION ANNUAL FINANCIAL REPORT FOR YEAR ENDING 2024

The AsMA Foundation continues stewardship of funds for both Fellows Scholarships and for the scholarships and awards given by multiple AsMA constituent organizations. Assets on December 31, 2024 included \$106,246 in 2024 donations (up from \$57, 249 in 2023), and thus far in 2025 donations total \$29,640. As of Dec 31, 2024 the Foundation balance was \$902,853 - close to the million-dollar short term goal. Unfortunately, the market has experienced significant decline over the past few months however the funds are invested in a conservative, diversified portfolio designed to produce returns over the long run. Tufton Capital provides independent, professional management of the investment portfolio for the Foundation's assets to limit volatility and provide a sound basis for the future of the Foundation. The Foundation's asset allocation remains conservative to assure retention of capital with adequate annual income to assure scholarship and award distributions in varying market conditions.

The total balance in the investment account includes assets held for affiliated and constituent organizations and for specific endowed funds. There are now 18 individual funds within the Foundation in addition to the unrestricted fund that supports the Fellows awards and many other activities. Each of these funds have guidelines specific to the fund that determine the scholarships, awards or general purposes for fund use.

The Foundation is preparing for the 2025 Annual Scientific meeting and its busy awards and scholarship season. The awards distribution will be summarized in the fall newsletter.

Please consider becoming a donor to your Foundation, it is easy to establish monthly donations on our website, <https://asmafoundation.org>. Select the Donate Now to make single donation or set up a recurring donation. Donations can be made as unrestricted, or you may opt to support a specific fund.

Kathy Hughes, Treasurer

THE ASMA FOUNDATION THANKS OUR 2024 DONORS

The Foundation supports the field of aerospace medicine and the Aerospace Medical Association through the generosity of members and friends of AsMA. In 2024, 84 donors supported the Foundation. We wish to thank the following individuals for helping the Foundation support the Association, aerospace medicine and the allied fields. The mission of the Foundation could not be possible without your generous support. The Foundation appreciates gifts of any amount, but we will specifically recognize our more generous donors through AsMA Foundation Orbit donor categories unless they prefer anonymity. *While we make every effort to include each donor, if your name was inadvertently omitted from the lists or you are listed incorrectly, please let us know.*

Dragon Donors (\$10,000+)

James Vanderploeg
David (Kim) Broadwell
Jeffrey Davis
Kenneth Myers
Richard Jennings

Saturn V (\$5,000+)

Kris Belland
Al Parmet

Titan (\$2,500+)

Genie Bopp
Adam Sirek
Quay Snyder – Mental Health Workshop

Atlas (\$1,000+)

Kathy Hughes
William Dodson
Gary Gray
Smith Johnston
Frances Laue
Glenn Merchant
Warren Silberman
Jim Foley (Fole Foundation)
Leroy Gross
William Klein
Robert Laurent
Vishakh Mantri
George Taylor
Susan Fondy

Redstone (\$500+)

Amanda Lippert
George Anderson
Mark Sheehan
Paul Sherman
John Barson
Carol Ramsey
Lloyd Tripp
Hernando Ortega
Mark Sheehan
Paul Sherman
Nereyda Sevilla

X-15 (\$100+)

David Schroeder
Chuck DeJohn
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Gordon Landsman
Patrick McGinnis
Robert Orford
Melchor Antunano
Mohammed Arshad Kahn
Geoffrey McCarthy
Nomy Ahmed
Ellis Boudreau
Justin Nast
Karen Seiter
Jaime Harvey
James Phelan
John Caldwell
Nora Johnson
Guillermo Salazar
John Venezia
Robert Weien
Leonid Hrebien
Charles Mathers
Gerald Saboe
Alper Kus

HERITAGE SOCIETY MEMBERS

The Foundation Heritage Society honors colleagues and friends who make a commitment to the Foundation by will, revocable living trust, life insurance, life-income gift, retirement account designation or a deferred gift arrangement. Qualifying commitments may be of any amount and may be directed to support existing programs and endowments, qualified new programs of the donor's choice, or may be undesignated. If others meet these criteria, please notify Dr. Campbell or any of the Board members.

Charles Billings*
Genie Bopp
David K. Broadwell
Jeffrey R. Davis
Walter and Sylvia Goldenrath*
*deceased

Richard and Issy Jennings
Shuba and Vish Mantri
Al Parmet
Quay Snyder
Jim and Sandy Vanderploeg

WINNERS OF THE 2024 AsMA FELLOWS SCHOLARSHIP



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 has evaluated the 4 manuscripts, and the final scores were tallied with the corresponding scores of the presentations to determine the winners for 1st and 2nd place. The AsMA Fellows Scholarship Committee is pleased to announce their selection of the 2024 scholarship winners.

The 1st Place Winner was Dr. Samantha King for her presentation and published manuscript on “*Tolerance of Centrifuge-Simulated Spaceflight in Individuals with Diabetes Mellitus.*”



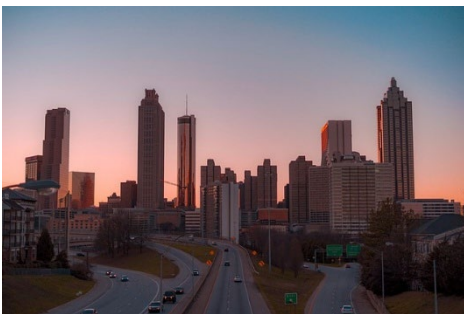
The 2nd Place Winner was Dr. Anthony Rengel for his presentation and manuscript on “*Embolus Ischemic Cortical Stroke in a Young Flight Instructor with a Small Patent Foramen Ovale.*”

TWO FELLOWS' SCHOLARSHIPS AVAILABLE IN 2025

The Fellows Scholarship is funded by the AsMA Foundation through the generous support of AsMA Fellows and members. The awards are 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. Scholarship recipients 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). The scholarship committee gives special consideration to applicants who are at an early state in their career development. The monetary awards are used for underwriting, in whole or in part, the cost of registration, fees, transportation, hotel accommodations, or any other valid expenses incurred by the winners in relation to their attendance at one or more scholarly meetings on aerospace medicine topics. The AsMA Fellows Scholarship Committee received 8 eligible applications for the 2025 Scholarship. *Melchor Antunano, M.D., M.S., Chair, Fellows Scholarship Committee.*

2025 RICHARD B. "DICK" TRUMBO PREVENTIVE MEDICINE 5K RUN/WALK PLANNED FOR ATLANTA

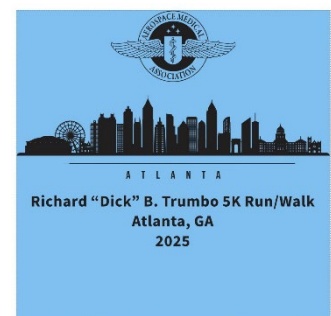


Plans are nearly complete for the Richard "Dick" Trumbo 5K Preventive Medicine Fun Run/Walk scheduled for 6:00 AM on Monday, June 2, 2025 in Atlanta. Jeff Sventek, Executive Director of AsMA, and the advanced planning team have developed a course that will use Atlanta city sidewalks. The Trumbo 5k will begin and end at the Hyatt Regency Atlanta Hotel. City permits and formal approval from the Hyatt Regency Atlanta Hotel are pending. The

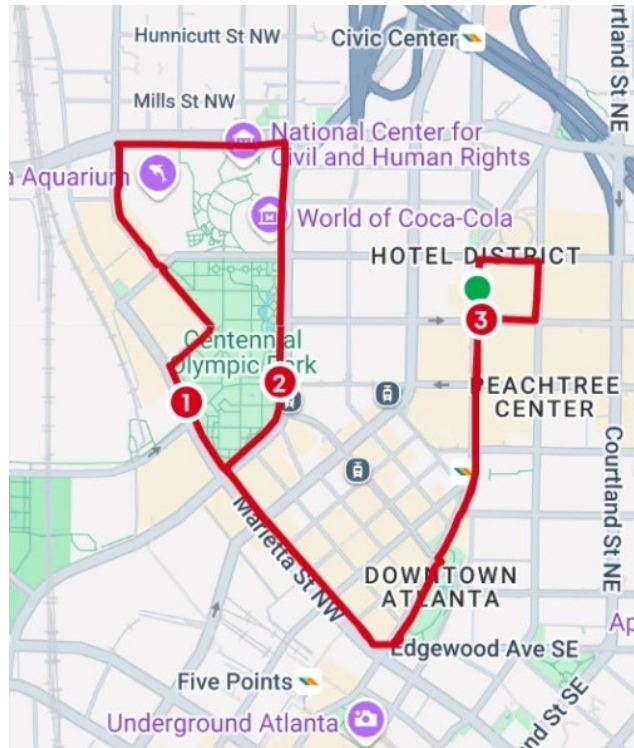
advanced planning committee has arranged race logistical support, and the UTMB Aerospace Medicine program will provide commemorative shirts and medical support. In addition, the planning team has announced that male and female winners in three different age brackets will be recognized before the Reinartz panel:

- Female – Under 36 years of age
- Female – 36-50 years of age
- Female – Over 50 years of age
- Male – Under 36 years of age
- Male – 36-50 years of age
- Male – Over 50 years of age

The Trumbo Run/Walk has been a part of the AsMA part of the scientific meeting for over 20 years and Dr. Trumbo was the consistent early supporter for the event. The Run/Walk is partially funded through the AsMA Foundation by an endowed fund that has been generously



supported by Peggy Trumbo and the friends and colleagues of Dr. Trumbo. We hope you will be able to attend the AsMA Annual Scientific Meeting and we also hope many of you will choose to participate in the 23rd anniversary of the Trumbo 5K Fun Run/Walk.



AsMA EXECUTIVE DIRECTOR RETIRING



Jeff Sventek has held the AsMA Executive Director position since January 11, 2010. Jeff will retire from the AsMA Executive Director position on July 1, 2025 and will pass the leadership mantle to John Peters. During Jeff's 15 years as Executive Director the Aerospace Medical Association has seen many changes and challenges. Jeff moved the association into the digital age at the AsMA Headquarters and the Annual Scientific Meetings. All paper records housed at the AsMA Headquarters were scanned and digitized in Jeff's first year as Executive Director. The paper documents were then transported to the AsMA archives located at Wright State University, Dayton, Ohio. Jeff then turned his focus to many of the paper-based processes associated with abstract submission and review, AsMA Fellow nominations, AsMA Annual Awards, AsMA and Constituent Organizations annual scholarships, and the nomination process for AsMA elected officers. All of these processes are now digital in nature and operate on a commercial software platform called OpenWater.

Another area of focus for Jeff was the Annual Scientific Meeting. Posters presented during the Annual Scientific Meetings were previously large paper posters pinned to cork boards in the poster area.

Authors were required to have a local printing company organize and print the scientific information on 36" X 48" poster paper or 42" X 56" poster paper. Authors would then roll up the poster paper and transport to the Annual Scientific Meeting to pin on the cork boards. Jeff worked with John Peters at the Undersea and Hyperbaric Medical Society (UHMS) to lease electronic poster systems for use during the AsMA Annual Scientific Meetings. The 2023 New Orleans Annual Scientific Meeting was the first time posters were presented electronically and the feedback from authors and attendees was very positive. Electronic posters were presented again during the 2024 Chicago AsMA meeting and will be the standard for all future AsMA Annual Scientific Meetings.

Jeff's leadership has allowed AsMA to grow in membership and financial stability during some very challenging periods. AsMA membership is fairly stable at 2,100 with approximately 30% of the AsMA members coming from outside the United States. Student and Resident memberships have increased during Jeff's tenure and that bodes well for AsMA's future. AsMA's finances are strong with nearly \$1 million in reserves and an annual operating budget of \$1.7 million.

Jeff is most proud of the increased cooperation and interaction between AsMA and our non-US colleagues and organizations. Jeff worked closely with Dr. Roland Vermeiren to improve AsMA's outreach to the European Society of Aerospace Medicine (ESAM) and the International Academy of Aviation and Space Medicine (IAASM). AsMA worked closely with ESAM in support of the European Congress of Aerospace Medicine held in Oslo, Norway and Prague, Czech Republic. Those Congresses were very successful and AsMA's presence helped open discussion between AsMA, ESAM, and IAASM about conducting a joint Congress in Aerospace Medicine in Europe. Those discussions resulted in the 1st International Conference in Aerospace Medicine (ICAM) held in Paris, France in 2022. This conference was a huge success with attendees strongly recommending future joint meetings. As a result, the 2nd International Congress in Aerospace Medicine was held in Lisbon, Portugal in 2024. Another very successful scientific meeting. The 3rd ICAM is now being planned for 2026 and will be held in Istanbul, Türkiye.

Jeff and Debra will continue to attend future AsMA Annual Scientific Meetings, and they look forward to seeing their friends and AsMA family for many years to come.

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



Aerospace Nursi and Allied Health Professionals Society (ANAHPS) and Aerospace Human Factors Association (AsHFA) are co-sponsoring the 5th Annual Mary F Foley Endowment Event in honor of her multidisciplinary legacy. Planning of the event, 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), who was 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. Co-chaired by Marian B Sides PhD, MSN, FAsMA, and Karen Klingenberg MD, MPH, MS, BSN, the panel will consist of five experts from different disciplines, who will integrate their specialized bodies of knowledge and skills to create a multidisciplinary synergy. Such collaboration will represent diverse roles of support to optimize Mary's initiatives as described. These disciplines include aerospace physiology, portrayed by Dr. Lloyd Tripp PhD, FAsMA, expert aerospace physiologist, as he describes Foley's research in pulmonary function in pilots. The discipline of Physical Therapy represented by Dr. Clint Copeland DPT, OCS, highlights patient safety in maximizing performance and mobility assistance, emphasizing Foley's early pioneering initiatives which set the stage for deeper research on the physiological stresses of flight during air transport. Within the framework of Pharmaceuticals, Emma Ives Pharm D Candidate, will describe how pharmacy is portrayed in human spaceflight, under the umbrella of Foley's principles of risk management and safety. The role of a nurse in aerospace medicine will be portrayed by Cathy DiBiase RN, FAsMA, as modeled by Foley, in enabling better ways to minimize risk and providing best possible care during air transport. Dr. Annette Sobel MD, FAsMA, Major General (ret), past president AsHFA will posture data analytics within the framework of Mary Foley's contributions, as a basis for other human factors research.

Mary F Foley passed away in 2019. Many contemporary members never met her. Both Drs Al Parmet, MD, FAsMA and Mary Cimrmancic DDS, FAsMA, career long advocates of Bunny, will give testimonials to her personal attributes, her stamina, spirited curiosity, persistence and determination. Panelists will describe synergistic benefits that evolve from collaborative efforts that create and strengthen best practices, innovation, skill development, communication and more, Discussion will embellish awareness of synergistic benefits. This event will offer illuminating insights, inspiration, mentoring and leadership development for AsMA members.

The Mary F Foley Endowment was established in her honor to perpetuate her legacy and 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 approximately \$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 skills 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, AsMA Past President

FOUNDATION BOOTH IN ATLANTA

The AsMA Foundation will be hosting a booth in the display area at the annual scientific meeting in Atlanta. Members of the Board will periodically staff the booth and hope to answer any questions that AsMA members may have. We also plan to seek input from members regarding perceived needs the Foundation may address or suggestions to improve the Foundation's function in the future.

THE CARES ACT AND CONSOLIDATED APPROPRIATIONS ACT OF 2021 OFFER ADDITIONAL TAX ADVANTAGES FOR COUPLES TAKING THE STANDARD DEDUCTION

The Consolidated Appropriations Act (CAA) of 2021 was enacted into law on December 27, 2020. The Act extends and expands changes to the rules of charitable giving enacted under the Coronavirus Aid, Relief, and Economic Security (CARES) Act. The CARES Act provided significant temporary tax relief and charitable giving benefits including advantages for those taking the standard deduction. Approximately 90% of filers do not itemize and use the standard deduction. The CAA extended these benefits for another year.

Under the CARES Act, individual taxpayers who took the standard deduction in 2020 were allowed an "above the line" charitable income tax deduction equal to the amount of charitable cash gifts, but only up to \$300. The CARES Act did not specifically address how the deduction applied to a married couple filing jointly. Under the CAA, a married couple filing jointly, for contributions paid in calendar year 2021, will be allowed to take such deduction up to \$600.

This deduction is eligible to individuals who do not itemize their deductions (individuals who itemize deductions continue to be entitled to a charitable income tax deduction). It is limited to contributions of cash to qualifying public charities and does not include contributions to a supporting organization, a donor advised fund or most private foundations. There are other provisions in these Acts that affect those who itemize deductions so it is important to consult your tax advisor for further information on these acts and how they apply to your personal finances.

SUPPORTING THE AsMA FOUNDATION

The AsMA Foundation supports aerospace medicine and its allied fields through providing scholarships, awards, grants, and other activities. Several named individual and constituent organization endowed funds have been created to support awards, scholarships, and events in perpetuity, but unrestricted gifts are always appreciated. It is easy to support the Foundation through

several methods. Gifts may include the donation of cash, securities, bequests, life insurance, savings bonds, retirement plan assets, or real estate. Those that designate future gifts to the Foundation may be added to the Heritage Society, if desired. Many types of gifts can limit tax liability, but it is prudent to consult a tax advisor. For more Foundation information, visit the [AsMA website](#).

CONTACTING THE FOUNDATION

AsMA Foundation
320 S. Henry St.
Alexandria, VA 22314

I think human beings have an innate desire to help each other. And whether you're in medicine or anything else, if you see someone that you can help...you get a gratification from doing it. In fact, I think that is perhaps the most important, you might say, fabric that holds the society together.
Michael E. DeBakey

Thank You for Supporting the AsMA Foundation

Donation Amount: _____

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Payment:

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320 South Henry St.
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Signature: _____