

macy with a focus on pediatric hematology and oncology at Texas Children's Hospital. She later went on to earn her medical degree at the University of Texas Health Science Center. She then completed an emergency medicine residency at Baylor College of Medicine where she served as chief resident.

During residency, Dr. Hong Chang participated in prototype development of a trade space analysis tool for spaceflight medical resources at NASA and also began work developing an electronic medical record with Twin Sails Technology Group. She continued her work in medical informatics after residency while practicing community-based emergency medicine. Most recently, she completed a residency in aerospace medicine at the University of Texas Medical Branch, where she had the opportunity to practice remote medicine at McMurdo Station, Antarctica, and earn her flight surgeon wings from the U.S. Air Force School of Aerospace Medicine. She recently accepted a position as Mission Flight Surgeon with Axiom Space.

Dr. Hong Chan is an aviation medical examiner and certified open water scuba diver. She is a member of the Aerospace Medical Association, the Aerospace Medicine Student/Resident Organization (AMSRO), where she was Co-Chair of the 2020 AMSRO Elections Ad Hoc Committee, and the American College of Emergency Physicians. She is also a member of the Gold Humanism Honor Society, which recognizes physicians who demonstrate humanistic care. She has been a medical volunteer at the Houston Marathon 2020, the medical coordinator at Wings Over Houston Airshow in 2019 and has been a member of various groups and committees.

### FELLOWS Class of 2021

Christopher Backus  
Roderick Borgie  
Raymond Clydesdale  
Robert Elliott  
Michael Harrison  
Deborah Hoar  
Wilfred Lim  
David Miller  
Justin Nast  
Glenn Pascoe  
James Pattarini  
Sanjiv Sharma  
Rahul Suresh  
John Venezia  
Robert York

### Future AsMA Annual Meetings

April 3–7, 2022  
Peppermill Resort and Casino, Reno, NV

May 21–25, 2023  
Sheraton New Orleans Hotel, New Orleans, LA

## AsMA Scholarship Recipients

### Stanley R. Mohler, M.D., Aerospace Medicine Endowed and AsMA International Aerospace Medicine Scholarships

Nina Purvis, M.Phys., M.Sc., Ph.D., PGCert, is the 2021 recipient of both the Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship and the AsMA International Aerospace Medicine Scholarship. She is currently working on an M.B.B.S. in Medicine and Surgery at the Barts and The London School of Medicine and Dentistry, Queen Mary University of London. She earned an integrated Bachelor's and Master's degree in Astrophysics from the University of Hull in 2012 and then both a Postgraduate Certificate in HE Research and Teaching and a Ph.D. in Medical Physics at Hull York Medical School in 2015. She received her M.Sc. in Space Physiology and Health in 2020.



A native of Britain, Dr. Purvis began as a Graduate Teaching Assistant at the University of Hull from 2012–2015. At the same time, she was also serving as a Doctoral Researcher as part of her Ph.D. From 2015 to 2016, she was a Postdoctoral Research Fellow in Oncological Imaging and Radiogenomics at Memorial Sloan Kettering Cancer Centre. Her teaching experience includes being a Physics Teaching Assistant, a Graduate Teaching Assistant, and lecturing on the physiology of commercial spaceflight. She is an author or co-author on seven papers. Her honors and awards include the Piramal Healthcare Student Award for Highest A2 Level in Physics; Finalist for 3-Minute Thesis at the University of York; both the International Society for Magnetic Resonance in Medicine (ISMRM) Conference International Student Travel Award and the Hull York Medical School (HYMS) Conference Travel Award for travel to the 2015 ISMRM in Toronto, Canada; runner-up of the Next Generation Aerospace Medicine Presentation Competition from the Royal Aeronautical Society; Suborbital Day Special Prize for Best Presentation; and the UKSEDS National Award for Research Project of the Year.

### Anita Mantri, Ph.D., Memorial Travel Scholarship

Jason David, M.D., Capt., USAF, is the 2021 recipient of the Anita Mantri, Ph.D., Memorial Travel Scholarship. He is currently stationed at Nellis Air Force Base as an Emergency Medicine Physician. He graduated from a Residency in Emergency Medicine at the Kirk Kerkorian School of Medicine and University of Nevada, Las Vegas. He graduated with distinction from the U.S. Air Force Academy in 2014 and attended medical school at the Uniformed Services University of the Health Sciences (USUHS), receiving his M.D. in 2018. He



started his career as an Emergency Medical Technician Basic at the U.S. Air Force Academy Health Clinic in Colorado Springs, CO, USA, from 2011–2014. From 2013 to 2014, he was also Cadet Commander at the U.S. Air Force Academy Cadet Wing Staff Ethics and Education. He attended USUHS from 2014–2018 and served his residency from 2018–2020. In 2020 he became Chief Resident at the University Medical Center Emergency Medicine Residency in Las Vegas. He will begin earning an MBA at the University of North Carolina at Chapel Hill in October 2021.

Dr. David is a member of the Special Operations Medical Association, the Government Services American College of Emergency Physicians, the American College of Emergency Physicians, the Space Medicine Association, and the Aerospace Medical Association (AsMA). He was a member of the American Medical Association Medical Student Section until May 2017 and a member of the Aerospace Medicine Student and Resident Organization of AsMA until May 2021. His awards include the Asia Institute of Political Economy Scholarship, the Brigadier General Ronald D. Reed Outstanding Achievement in Biology Research Award, a Government Services of the American College of Emergency Physicians Scholarship, a University of North Carolina at Chapel Hill MBA Program Fellowship, Resident Quality Improvement Project of the Year, and Emergency Medicine Resident of the Year from Nellis AFB. His military awards include the National Defense Service Medal, the Global War on Terrorism Service Medal, and the German Armed Forces Proficiency Badge (Gold).

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

Daniel Cox, B.A., M.Eng., M.D., is the 2021 recipient of the Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship. Originally from a small, rural town in Indiana, USA,



he attended Indiana University in Bloomington, earning a B.A. in Biochemistry in 2017. He earned a Masters in Engineering at Duke University Pratt School of Engineering in 2021 and is working on his M.D. at the Duke University School of Medicine. He is working to help design new devices such as a catheter to be used in extracorporeal membrane oxygenation, a

more functional surgical drain, and a device to assess hydration status. From 2015–2017, he worked as a Patient Care Associate at Kosair Children's Hospital Emergency Department in Louisville, KY, USA. His research projects have included work in natural product synthesis, medical education research, cardiac surgery research, NASA research involving strain analysis on mice previously irradiated, and drone delivery research to reduce the time to deliver naloxone in Durham County, NC, USA.

Dr. Cox is a co-author on an article in the *Journal of Cardiac Surgery* and on an article being submitted. He has taken part in four presentations and been a co-author of two submitted abstracts. He is a member of the Aerospace Medical Association and its Aerospace Medicine Student and

Resident Organization. His awards include Indiana University Founders Scholar, Indiana University Excellence Scholarship, Harrison County Hospital Scholarship, Norton Hospital Dependent Scholar, a proclamation from the State of Ohio for service, the Dennis Peters Scholarship in Chemistry and the Ira E. Lee memorial Fund in Chemistry, the Leroy Dugan Scholarship, Medical Faculty Wives Scholarship, the Jessie L. and Arlie L. Fogal Scholarship, the G. Brent Walton Scholarship, the American Association for Thoracic Surgery Summer Internship Scholar, and the Chancellor's Service Fellowship.

### **New Aerospace Medicine Exhibit on Display**

The Seattle Museum of Flight recently opened an exhibit on aerospace medicine. In this exhibit, both past and present members of the Aerospace Medical Association are mentioned, including Theodore C. Lyster, Louis H. Bauer, Charles Berry (who is prominently mentioned), John Paul Stapp, Harry G. Armstrong, and Randolph Lovelace II. Current members noted include Michael Barratt, Serena Aunon, David Alexander, and Natacha Chough. The exhibit tells the story of how doctors and aeromedical professionals work to ensure the safety and health of those who go up into the atmosphere and space. The exhibit is in the T. A. Wilson Great Gallery and admission is included with a general admission ticket. It runs through February 6, 2022. Visit the description and link to purchase tickets at <https://www.museumofflight.org/Exhibits/Stranger-Than-Fiction>. An interview with Dr. Barratt, who was a member of the team that created the exhibit, can be found at <http://www.collectspace.com/news/news-070221a-stranger-than-fiction-aerospace-medicine-museum-of-flight.html>.

### **CALL FOR ABSTRACTS 92nd Annual Scientific Meeting April 3–7, 2022 Peppermill Resort and Casino, Reno, NV**

The AsMA Abstract Submission site will open on or about September 1, 2021. The deadline for submissions is November 1, 2021.

[www.asma.org/meetings](http://www.asma.org/meetings)

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