



# Ever Upward: April 2016

## Scholarship Winners Announced

### AMSRO Travel & Jeffrey R. Davis, M.D., International Aerospace Medicine Scholarships

Lisa Brown, Ph.D., is the winner of the Aerospace Medicine Students & Residents Organization's (AMSRO's) Travel Scholarship and the Jeffrey R. Davis, M.D., International Aerospace Medicine Scholarship. She is currently a Surgical Resident in New Zealand with a career goal of working in Aerospace Medicine. A citizen of New Zealand, Dr. Brown earned an M.B.Ch.B. at the University of Otago in 2007 and her Ph.D. in Surgery in 2015 at the University of Auckland.



In 2015, the final year of her Ph.D., Lisa travelled to The University of Oxford to join the Aerospace Medicine Research Group where she studied as a Research Fellow in Aerospace Medicine. She has also completed the UTMB Principles of Aerospace Medicine Short Course and an internship at DLR and The European Astronaut Center. Following her General Surgical training, she hopes to pursue the UTMB Aerospace Medicine Residency.

Dr. Brown is currently founding the New Zealand Aerospace Research Society, with the ultimate goal of developing a New Zealand Space Agency. She is a member of the Aerospace Medical Association, AMSRO, the Royal Aeronautical Society, the British Space Agency, the New Zealand Aviation Medicine Society, and the Australian Aerospace Medicine Society. Her awards and achievements include the Shaskan Scholarship for the Principles of Aerospace Medicine Course, AMSRO's Best Scientific Paper Award, runner-up for the Space Medicine Association Young Investigator Award, and a variety of travel grants.

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

Wilfredo Rodríguez-Jiménez, M.D., M.S., an Aerospace Medicine Student & Resident Organization (AMSRO) member, was this year's winner of the Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship. Dr. Rodríguez-Jiménez, who was born in Puerto Rico, is a third-year Family Medicine resident physician at the Stamford Hospital in Connecticut. Dr. Rodríguez-Jiménez will be joining the UTMB/NASA Aerospace Medicine Residency Program in July 2016.



Dr. Rodríguez-Jiménez earned a B.S. in Natural Sciences at the University of Puerto Rico in San Juan in 2007 and an M.S. in Human Factors and Systems at Embry-Riddle Aeronautical University in Daytona Beach, FL, in 2012. He earned his M.D. at the University of Puerto Rico in 2013. From 2011-2012, he served as a Graduate Teaching Assis-

tant at Embry-Riddle Aeronautical University. In 2012, he became an Aerospace Medicine Clerk at NASA Lyndon B. Johnson Space Center in Houston, TX, for a short time.

The Horatio Alger Association of Distinguished Americans awarded Dr. Rodríguez-Jiménez their National Scholarship, as well as a Special Grant. He also received the Legislative Scholarship of Puerto Rico, a NASA Astrobiology Institute Scholarship, and 1st place in the FAA Design Competition for Universities in the Runway Safety Challenge. He is a member of the American Academy of Family Physicians, the Space Generation Advisory Council, and the Aerospace Medical Association (AsMA).

## Lt. Gen. (Ret.) Tom Travis Honored by AMA

Lt. Gen. (Ret.) Thomas W. Travis, M.D., former Air Force Surgeon General, was presented with the Dr. Nathan Davis



Award for Outstanding Government Service, by the American Medical Association (AMA). The AMA's highest government service award was bestowed upon Travis for his leadership in developing plans, programs and procedures to support worldwide medical service missions. Dr. Travis is a Fellow of AsMA and was the recipient of the

Julian E. Ward Memorial Award in 1994 and the Marie Marvingt Award in 2007. Full details of the award can be found at the [Air Force Medical Service website](#).

## New Members

- Aral, Isamiitin A., Lt. Col., Riverhead, NY
- Boivin, Andrew P., Mr., Milton, Ontario, Canada
- Buck, Gabriela, M.D., Duebendorf, Switzerland
- Coleman, Michael H., D.O., Seven Fields, PA
- Divingian, Catherine, Tampa, FL
- Fischer, Frank T., M.D., M.P.H., Hamburg, Germany
- Fleisher, Helmut, Lt. Col., GAF, M.D., Ingolstadt By, Germany
- Gesumaria, Robert C., D.O., Voorhees, NJ
- Gonzalez, Lilian D., Dr., Peoria, IL
- Gordon, Robert J., D.O., Plymouth, MI
- Hancock, Jonathan T., Maj., USAF, Luke AFB, AZ
- Hickman, Thomas J., M.D., Amarillo, TX
- Jorquera, Ricardo N., Dr., Santiago, Chile
- Kunz, Andres, Dr., Duebendorf, Switzerland
- Laham, Skylar J., Mr., Los Angeles, CA
- Lenz, Crystal R., Capt., USAF, FS, APO, AP
- Mai, Khanh, Pharm.D., Omaha, NE
- Malia, Marilyn, Ms., Orangeburg, SC
- McCarter, John M., Dr., Madison, MS
- Payares, Orlando Vargas, Cartagena, Bolivar, Columbia
- Rogers, Matthew, Dr., New York, NY
- Smith, William D., Maj., USAF, M.D., Clovis, NM
- Steinman, Yuval, M.Sc., Soesterberg, The Netherlands
- Syburra, Thomas, Dr. Med., Luzern, Switzerland

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Send information for publication in this newsletter to: Journal Department, AsMA; [rtrigg@asma.org](mailto:rtrigg@asma.org)

**From New Members, p. N13**

Trapp, Brandon, Mr., Bronx, NY  
Trofa, Andrew F., M.D., Marmora, NJ  
Visser, Rob, SQN LDR, RNZAF, Ohakea, New Zealand  
Wilson, Aliya L., M.D., Fuquay Varina, NC  
Young, Elizabeth V., B.S., London, United Kingdom  
Zrull, Jesse M., Mr., Ferndale, MI

**In Memoriam: Lorenzo Vargas-Alfaro, M.D.**

AsMA was saddened to learn that Lorenzo Vargas-Alfaro, M.D., FAsMA, has died at the age of 86. He established Peru's Aerospace Medicine Program and advocated for aeromedical safety for 42 years. He was instrumental in the creation and advancement of the Iberoamerican Association of Aerospace Medicine's goals and developed Peru's aeromedical programs for safety and aviation physiology, search and rescue, noise and environmental issues, and airport operations. He also developed many of his country's preventive medicine programs, including those that assess environmental fitness and health of aircrew and ground personnel. Even after retirement, he continued to conduct research addressing the altitude environment, contributed to AsMA, and founded a non-profit organization focused on enhancing aeromedical safety in developing nations.



Dr. Vargas received his undergraduate pre-med degree from San Marcos University, Peru, in 1949. He returned to receive his M.D. degree in surgery in 1958. He served in the Peruvian Navy and trained as a Naval Flight Surgeon at the Naval Aerospace Medical Institute in Pensacola, FL, in 1972. He joined AsMA that year and became a Fellow in 1999. He was also a member of the Society of U.S. Naval Flight Surgeons since its inception. He was a consultant for the National Commission of Investigation and Development of Science & Technology and the Human Factors and Aircraft Accidents Department of the Aeroperu Airline Pilots Association. In addition, he was the Founder Director of the Army-Navy Aviation Medicine School and established its Hyperbaric Medicine Treatment Division at the Navy Hospital in Callao, Peru.

Dr. Vargas's awards include several from the Iberoamerican Association of Aerospace Medicine and from the governments of Ecuador and Peru. In 2012, the Association of Naval Officers of the Peruvian Navy presented Dr. Vargas with the Medal of Honor for his extensive contributions to military and civil aviation medicine. In 2015, AsMA presented him with the Won Chuel Kay Award.

**Read Current News Online!**

The AsMA, Industry, & Member News pages are updated regularly! Log into the Members Only page to see what your fellow members are up to.

**NEWS OF CORPORATE MEMBERS**

**Air Canada Partners with Manitoba Government**

Air Canada announced that it has entered into an agreement with the Manitoba Government to help establish a Western Canada Centre of Excellence for certain aircraft maintenance activities in the Province. Under the agreement, Air Canada will bring to Manitoba three of its aviation suppliers and partners with unique expertise and capabilities. The Centre is expected to create 150 jobs starting in 2017 with the possibility of further expansion and job creation in the future. Air Canada has also agreed to encourage bidding by Manitoba suppliers for other services, including components work on future aircraft to enter the airline's fleet, subject to certification, price and quality considerations.

—Please visit <http://aircanada.mediaroom.com/index.php?s=43&item=991> for more on this.

**AOPA Encourages Pilots to Test Noise Reduction**

The Aircraft Owners and Pilots Association (AOPA) is encouraging pilots who use New Jersey's Teterboro Airport to help test a visual approach procedure designed to reduce noise near a Hackensack hospital. Testing will begin April 4 for the Teterboro Runway 19 Quiet Visual Approach. The procedure was designed with Federal Aviation Administration (FAA) and user collaboration to avoid flight in close proximity to the Hackensack University Medical

Center. The FAA gave a briefing about the new procedure in March during a session of its National Customer Forum, in which AOPA participates. The procedure, which would place traffic about 1.5 miles west of the medical center, passed flight inspection in February and was published at the end of March.

—Please see <http://www.aopa.org/News-and-Video/All-News/2016/March/16/Pilots-urged-to-test-Teterboro-noise-reduction-approach> for more information.

**ALPA Testifies on Small Business UAS Use**

In testimony before the U.S. Senate Committee on Small Business and Entrepreneurship, Capt. Tim Canoll, president of the Air Line Pilots Association, Int'l (ALPA), underscored the union's strong support of entrepreneurs who are using unmanned aircraft systems (UAS) to help advance small business and the national economy, but emphasized that the union's greatest concern will always be safety. While the FAA is making progress, the administration needs to address all UAS uses with a full regulatory safety framework, said ALPA's president. Capt. Canoll outlined for committee members ALPA's near-term four-part action plan for the safe integration of UAS into the national airspace, which includes education, registration, technology, and penalties and enforcement. Capt. Canoll also told the committee that with this plan and Congress providing

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full funding for the FAA, small businesses would be able to capitalize on the opportunities offered by UAS.

—Please visit <http://www.alpa.org/news-and-events/news-room/2016-03-10-small-business-must-use-uas-safely> to read more about this.

### Baxter Enrolls First Patient for Hemodialysis Clinical Trial

Baxter International Inc. announced enrollment of the first patient in a U.S. clinical trial for VIVIA, an investigational home hemodialysis (HD) system being developed by Baxter and DEKA Research & Development Corporation. The trial is designed to study more frequent, extended duration nocturnal home HD therapy (High Dose HD), which will be performed in dialysis facilities as well as the home setting. The study is assessing safety of the product and adequacy of dialysis. According to Baxter Renal's CVP and President, less than 2% of U.S. end-stage renal disease patients have access to home hemodialysis. This trial will be a step in Baxter's efforts to expand access to hemodialysis and build support for the acceleration of home dialysis programs.

—Please see <http://www.baxter.com/news-media/news-room/press-releases/2016/03-15-16-vivian-clin3-trial-release.page> for more information on this.

### NIOSH Offers Free Screenings for Coal Miners

Beginning in April 2016, the National Institute for Occupational Safety and Health (NIOSH) will offer a series of free, confidential health screenings to coal miners throughout the United States. The screenings are intended to provide early detection of coal workers' pneumoconiosis (CWP), also known as black lung, a serious but preventable occupational lung disease in coal miners caused by breathing respirable coal mine dust. The health screenings will be provided through the state-of-the-art NIOSH mobile testing unit at convenient community and mine locations. NIOSH will provide the health screening for these coal miners under its Enhanced Coal Workers' Health Surveillance Program. This public health outreach is in response to a well-documented increase in serious disease and in response to new regulations requiring that health screenings be offered to surface miners. The screening provided by NIOSH will include a work history questionnaire, a chest radiograph, a respiratory assessment questionnaire, and spirometry testing. Blood pressure screening will be offered as well. Typically, the process takes about 30 minutes. NIOSH provides the individual miner with the results of their own screening.

—Please visit <http://www.cdc.gov/niosh/updates/upd-03-16-16.html> to read more about this.

### Mayo Clinic Honors Employees

Mayo Clinic named Robert Cima, M.D., and Tonia Lauer recipients of the Mayo Clinic Diamond Quality Fellow Lifetime Achievement Award. Honorees are nominated by their peers and selected by Mayo Clinic and Quality Academy leaders. The Diamond Award recipients demonstrate a long-standing commitment to quality improve-

ment. Dr. Cima is a Mayo Clinic colorectal surgeon who is recognized as a leader of quality improvement within surgery and has held numerous leadership roles, advancing quality improvement inside and outside of Mayo Clinic. Lauer is quality director for Mayo Clinic Health System in Southeast Minnesota. Since the late 1990s, Lauer has spearheaded quality improvement efforts, first at Mayo Clinic Health System in Albert Lea, MN, and then across more than 20 clinics and hospitals in Southeast Minnesota.

—Please see <http://newsnetwork.mayoclinic.org/discussion/mayo-honors-two-employees-with-quality-diamond-fellow-lifetime-achievement-award/> for more.

### SAA Partners with Miss South Africa

South African Airways (SAA) will again partner with Miss South Africa. Miss South Africa will, as SAA's Brand Ambassador, participate in SAA's activities, particularly those of a corporate social investment nature, where the airline gives back to the communities it serves, as charitable causes largely benefit from Miss South Africa's patronage. This year marks the second for SAA as the official airline for Miss South Africa. Miss South Africa for 2015, Liesl Laurie, last year participated in SAA's Nelson Mandela send-off event for the Trek4Mandela Expedition, where an intrepid group of mountain climbers climbed Mount Kilimanjaro to raise funds in support of improving the lives of young girls across Africa.

—Please see [http://www.flysaa.com/us/en/flyingSAA/News/South\\_African\\_Airways\\_partnership\\_with\\_Miss\\_South\\_Africa\\_unlocks\\_brand\\_ambassador\\_opportunities.html](http://www.flysaa.com/us/en/flyingSAA/News/South_African_Airways_partnership_with_Miss_South_Africa_unlocks_brand_ambassador_opportunities.html) to read more about this.

### United Launches Flights Using Biofuel

United Airlines made history recently by becoming the first U.S. airline to begin use of commercial-scale volumes of sustainable aviation biofuel for regularly scheduled flights. The launch marks a significant milestone in the commercial aviation industry by moving beyond demonstration flights and test programs to the use of advanced biofuels for United's ongoing operations. United has agreed to purchase up to 15 million gallons of sustainable biofuel from AltAir Paramount over a 3-year period. The airline has

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### Corporate News Bites

**David Clark:** David Clark's Series 900 Wireless System was featured in the February 2016 issue of *Ground Support Worldwide* magazine and online at AviationPros.com. To read more about this, please visit [www.davidclarkcompany.com/news.php?newsid=77](http://www.davidclarkcompany.com/news.php?newsid=77).

**InoMedic:** InoMedic received a plaque from NASA KSC's Director Bob Cabana for being the top contractor in the 2015 Feds Feed Families Food Drive. To see the photo and read the entry, please visit their Facebook page at <https://www.facebook.com/IHAMedical/photos/a.226324600838326.55205.109714139166040/719891868148261/?type=3>.



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begun using the biofuel in its daily operations at LAX, storing and delivering it in the same way as traditional fuel. To highlight this achievement, United will operate flights between Los Angeles and San Francisco with the dedicated use of AltAir Paramount renewable fuel for 2 weeks while also integrating this fuel into its regular operations at the airport.

—Please see <http://newsroom.united.com/2016-03-11-United-Airlines-Makes-History-with-Launch-of-Regularly-Scheduled-Flights-Using-Sustainable-Biofuel> for more on this.

**AMDA 2016: Saturday, 23 April**

**Learning from the GermanWings Tragedy**

Avalon 12/13/14 in conjunction with AsMA's Annual Scientific Meeting. For full schedule and more information, please see the addendum, which will be posted on the Schedule page of AsMA's web site.

**CAMA Sunday**

**Sunday, April 24, 9 AM to 12 PM in Avalon 12/13 in conjunction with AsMA's Annual Scientific Meeting**

**Theme:** "Updates on Thromboembolic Disease: Aero-medical Implications and Review of New Anticoagulants"

**Speakers:** Dr. Rob McBane, Mayo Clinic Vascular Center, Rochester, MN, and Dr. Warren Silberman, President-Elect, Civil Aviation Medical Association, Oklahoma City, OK

**FAA Seminar Schedule**

**Wildwood 29 all week in conjunction with AsMA's Annual Scientific Meeting**

**MONDAY, APRIL 25, 2016**

10:30 (R) Course Documentation: Jan Wright  
11:00 (R) Medical Programs, Policies & Standards: James Fraser  
12:00 Lunch  
2:00 (R) AMCS Jana Weems  
3:00 Break  
3:15 (R) Medical Legal: Charles Raley  
4:15 (E) Ame Overview: Warren Silberman  
5:00 (F) Caci Updates: Judith Frazier  
6:00 Adjournment

**TUESDAY, APRIL 26, 2016**

8:00 (R) Otorhinolaryngology: David Schall  
8:55 (F) Sleep Apnea / Fatigue: Mark Ivey  
9:55 Break  
10:10 (R) Ophthalmology: Harriet Lester  
11:05 (E) Faa Dui Policy: Matt Dumstorf  
11:50 Lunch  
12:50 (F) Caci Updates: Judy Frazier  
1:50 (R) Neurology: Jack Hastings  
2:45 Break  
3:00 (R) Cardiology: John Raniolo  
3:55 (R) Psychiatry / Mental Status: Charles Chesanow  
4:50 (R) Addiction: Charles Chesanow  
5:45 Adjournment

**WEDNESDAY, APRIL 27, 2016**

8:00 (E) Panel: *Would You Fly With This Pilot?*  
Moderator: James Fraser

**Meetings Calendar**

**April 20-23, 2016;** AERO Friedrichshafen: The Global Show for General Aviation; Friedrichshafen, Germany. An exhibition of products and innovations ranging from ultralights and gliders to business jets, helicopters, and electric aircraft from more than 600 exhibitors from 35 countries. For more information or to register, please visit <http://www.aero-expo.com/aero-en/>.

**May 9-10, 2016;** ICAO RPAS and Remote ATS Symposium; Stockholm, Sweden. This meeting aims to advance the understanding of remotely piloted aircraft systems and remote air traffic services. For more information or to register, please visit <http://www.icao.int/Meetings/Remotetech/Pages/default.aspx>.

**May 17-19, 2016;** Humans to Mars Summit; George Washington University; Washington, DC. H2M is the most comprehensive conference in the world focused on landing humans on Mars. For more information and to receive the AsMA registration discount register at <http://H2M.exploremars.org> and enter the promotional code found in the Members Only Section of AsMA's web-site under Member Announcements.

**September 15-18, 2016;** 5th European Congress of Aerospace Medicine; Oslo, Norway. Jointly sponsored by the European Society of Aerospace Medicine, Norwegian Association of Aerospace Medicine, and the Aerospace Medical Association. For more information, please see <https://www.asma.org/annual-meetings/oslo-norway-5th-european-congress-of-aerospace-med>.

Panel Participants: Charles Chesanow, John Hastings, Harriet Lester, John Raniolo, David Schall

9:30 Break  
9:45 (R) AME Performance: Warren Silberman  
10:30 (E) Certification Processes: Courtney Scott  
11:15 (F) Caci Updates: Judy Frazier  
12:15 Lunch  
2:00 (F) Sleep Apnea / Fatigue Mark Ivey  
3:00 Break  
3:15 (E) Medications: Courtney Scott  
4:00 (F) Block 60: Ben Zwart  
5:00 Adjournment

**THURSDAY, APRIL 28, 2016**

8:00 (F) Caci Updates: Judy Frazier  
9:00 (F) Block 60: Ben Zwart  
10:00 Break  
10:15 (E) Using The AME Guide: Warren Silberman  
11:00 Adjournment

**For AME designation credit you must attend:**

- **All (R) – Required Sessions**
- **One each of (F) – Flexible Sessions:**
  - **Caci Updates**
  - **Sleep Apnea / Fatigue**
  - **Block 60**
- **One (E) – Elective Session**

**You MUST return your registration and test answer sheets immediately after adjournment on Thursday to receive CME and designation credit. NO tests will be accepted after Thursday, April 28, 2016.**