



# Ever Upward: September 2016

## News of Members

**Susana Zanello, Ph.D.**, a new member, was named Scientist of the Month in May by the Division of Space Life Sciences (DSLS) of the Universities Space Research Association (USRA). The honor was bestowed for her poster titled "Brain Gene Expression Signatures from Cerebrospinal Fluid Exosome RNA Profiling," presented at the Human Research Program Investigators' Workshop Meeting, February 2016. She was also one of five USRA scientists recognized in June 2014, for grants awarded in May.

## New Members

Alaketu, Ayodeji, B.S., Atlanta, GA  
Chernofsky, Meir, M.D., Potomac, MD  
Degnan, Peter, M.S., M.D., Exeter, NH  
Fisher, Jason, M.D., Fairchild AFB, WA  
Frayser, Michael, D.O., M.S., Dayton, OH  
FrenkelNir, Yael, M.D., Ramat Gan, Israel  
Frigg, Christoph, M.D., Besenbueren, Switzerland  
Higgins, Bernard, M.B.B.S., B.App.Sc. HIM, Richmond, New South Wales, Australia

## Colloquium On Postmortem Forensic Toxicology In Aviation Announced

The Federal Aviation Administration's (FAA's) Civil Aerospace Medical Institute (CAMI) is organizing the Arvind Chaturvedi Colloquium on Postmortem Aviation Toxicology. The symposium will be held April 4–6, 2017, at the FAA's Mike Monroney Aeronautical Center in Oklahoma City. This 3-day colloquium, named in honor of long-time research toxicologist at CAMI Dr. Arvind Chaturvedi, will include presentations focusing on recent advances in the field of postmortem aviation toxicology including current research interests at CAMI.

The intended audience for this scientific platform includes medical examiners, pathologists, coroners, forensic toxicologists, academics and students, aerospace medicine scientists/specialists, regional flight surgeons, National Transportation Safety Board personnel, and other accident investigation authorities, including employees of the FAA's Flight Standards District Offices and Office of Accident Investigation and Prevention.

There is no registration fee for attending this colloquium. However, attendees are responsible for all other expenses associated with the colloquium. **Individuals interested in attending may contact Kristi Craft by December 16, 2016 to receive additional information** (include your name, official title, organization, postal and e-mail addresses, and telephone and fax numbers). Ms. Craft may be contacted via e-mail at [kristi.craft@faa.gov](mailto:kristi.craft@faa.gov) or via mail at Bioaeronautical Sciences Research Laboratory (AAM-610), FAA Civil Aerospace Medical Institute, P. O. Box 25082, Oklahoma City, OK 73125, USA (telephone: 405-954-2302; fax: 405-954-3705); [www.faa.gov/go/toxmeeting](http://www.faa.gov/go/toxmeeting).

Leavitt, Seth, 2<sup>nd</sup> Lt., USAF, Visalia, CA  
Li, Xuan, Middletown, NY  
Oshiro, Ana Cristina, São Paulo, Brazil  
Owens, Judy, M.D., Hampton, VA  
Schmidt, Richard, Ph.D., Lincoln, NE  
Vollenweider, Mark, M.D., M.P.H., Longwood, FL  
Weare, Shane, B.S., Lebanon, OR  
Zanello, Susana, B.S., Ph.D., Walton-On-Thames, Surrey, United Kingdom

## In Memoriam: Douglas O'Handley

AsMA was saddened to learn of the death in late July of Doug O'Handley, Ph.D. A native of Detroit, MI, he graduated from the University of Michigan and then attended Yale University, where he earned his doctorate in 1967, while working at the Naval Observatory in Washington, DC. He later joined NASA's Jet Propulsion Lab and then transferred to the Office of Industry Affairs and Technology Transfer at NASA Headquarters. He returned to the Jet Propulsion Lab's Biomedical Application Office until 1984, when he moved to Ames. After that, he was sent to TRW in Southern California and then returned to NASA Headquarters, where he became Deputy Associate Administrator for Exploration.

Dr. O'Handley was a member of the committee that came up with the Space Exploration Initiative to take NASA back to the Moon and to Mars. He was the founder of the Exploration Advisory Committee, working with the White House's National Space Council. He returned to Ames in California in 1992 and developed the Center for Mars Exploration. He later created and taught a multi-disciplinary undergraduate course in astrobiology at Santa Clara University in the mid-1990s. This course was the basis for the NASA Ames Astro-

*See O'Handley, p. N67*

## New NTSB Safety Recommendation Report

The National Transportation Safety Board (NTSB) is providing the following information to urge the Federal Aviation Administration (FAA) and the Aircraft Owners and Pilots Association (AOPA) to take action on the safety recommendations in this report. These recommendations address the flight safety of pilots who develop cataracts. These recommendations are derived from the NTSB's investigation of a December 26, 2013, fatal aircraft accident in Fresno, CA, involving a pilot with progressive cataracts who had demonstrated recent difficulty landing his airplane at night but was able to pass FAA medical certification vision testing. The NTSB has determined there is limited educational information provided to pilots and aviation medical examiners (AME) concerning the hazards cataracts pose to flight safety, especially at night. As a result, the NTSB is issuing two recommendations to the FAA and one recommendation to AOPA.

The link for the report can be found at [www.nts.gov/investigations/AccidentReports/Pages/asr1603.aspx](http://www.nts.gov/investigations/AccidentReports/Pages/asr1603.aspx).

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

From O'Handley, p. N66

biology Academy, which is now the Space Exploration Academy and has operated for nearly 20 years.

Dr. O'Handley was a member of the International Astronautical Academy and the U.S. Senior Executive Service and a Fellow of the American Astronautical Society, the Royal Society of Medicine in England, and of the Aerospace Medical Association, where he had been a member since 1982. To read the online obituary, visit <http://www.nasa.gov/feature/ames/nasa-ames-astrogram-july-2016>.

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**Read Current News Online!** The AsMA, Industry, & Member News pages are updated regularly.

## NEWS OF CORPORATE MEMBERS

### Exhibitors at AsMA's 87th Annual Scientific Meeting

The Welcome Reception was held in the Exhibit Hall. AsMA would like to sincerely thank all those who exhibited at our annual meeting. Pictured on these pages are some of our loyal corporate members who exhibited during the meeting.



**Wyle**



**Environmental Tectonics Corp. (ETC)**



**University of Texas Medical Branch (UTMB)**



**Monash University**



**Environics**



**GO<sub>2</sub>Altitude**

See 'Corporates', p. N68



**GenTex**

### ALPA Releases New Pilot Salary Data

New starting pilot salary data from regional airlines released by the Air Line Pilots Association, Int'l (ALPA), show that while salaries are rising modestly, many U.S. regional airlines still offer low first-year pilot pay and are resisting the long-term contract improvements necessary to attract qualified candidates. Some low-paying regional airlines are offering new pilots one-off signing bonuses, but ALPA maintains that such single-time offers won't distract qualified individuals from the fact that contracts at many of these airlines don't provide the pay, health-care benefits, quality of life, and job growth that their current and new pilots seek. However, there are some regional airlines that have acknowledged the important role that contract improvements and career progression play in attracting qualified candidates and are incorporating career-advancement programs that will positively influence the long-term availability of qualified pilots in the U.S. airline industry.

—Please visit <https://www.alpa.org/news-and-events/newsroom/2016-08-16-strong-career-key-to-attracting-new-pilots-to-airline-profession> to read more on this.

### Mayo Clinic Expands Emergency Telemedicine

Mayo Clinic continues to expand its national leadership in the telemedicine arena through its newly announced strategy of a converged emergency telemedicine practice. This allows Mayo Clinic to enhance the telemedicine services it offers to the more than 45 hospitals across 9 states served by Mayo Clinic's emergency telemedicine services. Emergency telemedicine provides acute medical assessments to people who need immediate emergency care through video communications. This type of care relies on the expertise of medical, surgical, and allied health staff, as well as reliable, fast, and secure technology. This new strategy consolidates effort while continuing Mayo's strong clinical focus through the enhanced technical proficiency and ease of use for Mayo Clinic care teams. This strategy also provides a seamless patient experience and more opportunity for Mayo Clinic to grow its clinical service lines.

—Please see <http://newsnetwork.mayoclinic.org/discussion/mayo-clinic-expands-emergency-telemedicine-practice/> for more.

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### Corporate News Bites

**ETC:** Aircrew Training Systems ("ATS"), a business unit of Environmental Tectonics Corporation (ETC), announced the award of multiple contracts totaling \$10.6 million for customers in Southeast Asia. Products to be provided include: FALCON altitude (hypobaric) chamber (eighteen person), and a GYRO IPT-III flight simulator. A multi-year contract for equipment maintenance is also included. Please visit <https://www.etcusa.com/etcs-aircrew-training-systems-awarded-multiple-contracts-totaling-10-6-million-for-customers-in-southeast-asia/> for more.

**NIOSH:** The National Institute for Occupational Safety and Health (NIOSH) is offering a series of free, confidential health screenings to coal miners in western VA through September 12. The screenings are intended to provide early detection of coal workers' pneumoconiosis, also known as black lung, a serious but preventable occupational lung disease caused by breathing respirable coal mine dust. All coal miners (current, former, underground, surface, and contract) are encouraged to participate. Please visit <http://www.cdc.gov/niosh/updates/upd-08-03-16.html> to read more.

**United:** United announced the appointment of a new chief financial officer and a new chief commercial officer. Both are also executive vice presidents. To read about the new officers, please see <http://newsroom.united.com/2016-08-18-United-Appoints-New-Senior-Leaders>.

### Baxter's Infusion System Highly Rated by KLAS Report

Baxter International highlighted a report from KLAS, a research firm that specializes in monitoring and reporting the performance of software, services, and medical equipment vendors, that named the Sigma Spectrum Infusion System the leader among all large-volume infusion pumps in drug library compliance, overall ease-of-use, and ease of navigating the drug library. Drug libraries allow clinicians to choose from a curated list of medications and fluids within medically appropriate dose ranges that helps identify potential programming mistakes before they reach the patient. Additionally, clinicians rated Sigma Spectrum highest in response to the question, "How Well Does the Pump's User Interface Contribute to Patient Safety?" KLAS's newest report, "Smart Pumps 2016: The Quest for Patient Safety," gathered input from end users—primarily nurses—on key features of infusion pumps that promote greater patient safety. These users credit Sigma Spectrum's leading drug library compliance rate with how simple the pump is to use and update. In addition to features designed to enhance patient safety, Sigma Spectrum also has the ability to integrate with leading electronic medical record (EMR) systems to enable auto-documentation of data to help enhance clinical workflow and improve accuracy of IV infusion documentation.

—For more on this, please visit <http://www.baxter.com/news-media/newsroom/press-releases/2016/08-11-16-baxter-sigma-smart-pumps-klas.page>.

## MEETINGS CALENDAR

**September 12-13, 2016;** 2nd International Conference on Influenza; Courtyard Berlin City Center, Berlin, Germany. For more information, please visit <http://influenza.conferenceseries.com/>.

**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 AsMA. For more, please see <https://www.asma.org/annual-meetings/oslo-norway-5th-european-congress-of-aerospace-med>.

**September 22-24, 2016;** 5th International Conference on Predictive Preventive and Personalized Medicine & Molecular Diagnostics 2016; Phoenix, AZ. See <http://personalizedmedicine.conferenceseries.com> for more.

**September 26-30, 2016;** the International Astronautical Federation's (IAF's) 67th International Astronautical Congress (IAC); Guadalajara, Mexico. Co-organized by the International Institute of Space Law and the International Academy of Astronautics. The meeting will be hosted by the Mexican Space Agency. The theme will be 'Making Space Accessible and Affordable to All Countries.' For more, please visit <http://iac2016.org/>.

**September 27-28, 2016;** the Aviation Health Conference 2016; London, UK. For more information, please see the program at <http://www.quaynote.com/conference/2328/>.

**October 3-5, 2016;** 4th International Conference on Geriatrics and Gerontology; London, UK. The theme of the conference is "Emerging Paradigm shifts in Global Aging Science." For more information, please visit <http://geriatrics-gerontology.conferenceseries.com/>.

**October 10-11, 2016;** International Conference on Molecular Biology; Dubai, UAE. For more info, please visit <http://molecularbiology.conferenceseries.com/>.

**Oct. 31-Nov. 2, 2016;** 54th Annual SAFE Symposium; Dayton Convention Center, Dayton, OH. For more information, please visit <http://www.safeassociation.com/index.cfm/page/symposium-overview>.

**May 23-26, 2017;** Preventive Medicine 2017; Portland, OR. The theme will be 'Achieving Health Equity Through Prevention.' For more information, please visit the web site at <https://www.eventscribe.com/2017/acpm-annual/>.

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## Save the Date!

The FAA's Civil Aerospace Medical Institute (CAMI) is again organizing a colloquium on postmortem forensic toxicology in aviation to be held April 4-6, 2017, at the Mike Monroney Aeronautical Center in Oklahoma City, OK.

There is no registration fee for the colloquium. However, attendees are responsible for all other expenses associated with the colloquium. **Individuals interested in attending must submit a completed registration form (PDF) to Kristi Craft by December 16, 2016**, via email or by mailing your form to Bioaeronautical Sciences Research Laboratory (AAM-611), FAA Civil Aerospace Medical Institute, P. O. Box 25082, Oklahoma City, OK 73125, USA.

For more information, please visit the FAA's announcement at: [https://www.faa.gov/data\\_research/research/med\\_humanfacs/aeromedical/forensic/toxicology/postmortem/](https://www.faa.gov/data_research/research/med_humanfacs/aeromedical/forensic/toxicology/postmortem/).