

CONTENTS

- I. Welcome Letter
- II. Faculty & Staff
- III. Class XXXVII Patch
- IV. Student Bios
- V. Guest Lecturers
- VI. Class Photo Gallery
- VII. Alumni Updates
- VIII. Memorial



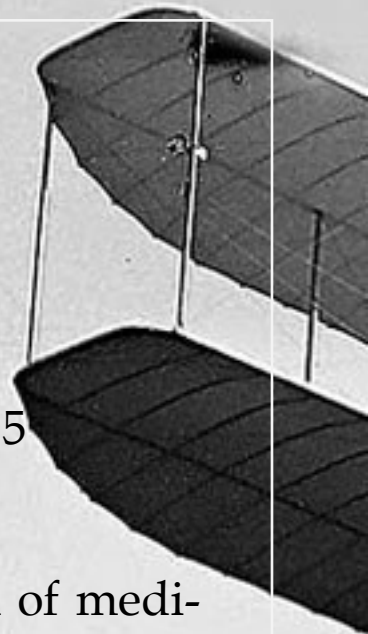
I. Welcome Letter

It is a pleasure to greet you once again in the 2015 edition of The Wright Stuff.

Aerospace Medicine is a relatively new branch of medicine that has evolved dramatically in the past decades. The Aerospace Medicine community is grounded by the efforts, the blood, sweat, tears, and dreams of people around the world. Without their contributions, our reality could not be possible.

As the new generation of graduates from the Wright State University, Aerospace Medicine Program, our desire is to be part of this amazing and wonderful family and to contribute with our hearts, souls, and minds as the field continues to grow and develop.

When I see the ground...I see my home,
When I see the blue skies...I see my goals,
When I see the night skies...I see my dreams,
When I see all...I see my soul.



II. Faculty & Staff

Dean Olson, MD, MS, MS

Thomas Jarnot, MD, MS

Richard Garrison, MD, MS, MS

Adrienne Stolfi, MSPH

Sharon Sherlock, DHA, MSA, BSN, RN

Donna Klink, RN

Program Director

Associate Program Director

Associate Professor

Fully Affiliated Faculty

Fully Affiliated Faculty

Program Coordinator



“Do not train a child to learn by force or harshness; but direct them to it by what amuses their minds, so that you may be better able to discover with accuracy the peculiar bent of the genius of each.”

Plato

III. Class XXXVII Patch



5 Vectors: Represents our labor as space doctors.

Hands holding a 30 point star: The 30 human rights.

2 Military aircraft for military doctors and 3 commercial aircraft for civilian doctors: Represents our labor as aviation doctors.

Bird figure and flags: Represents the Phoenix constellation and the countries of the 5 doctors.

Centaurus (6 stars): Represents our professors and department personnel. Centaurus was the professor of ancient Greek heroes.

Staff of Asclepius Medicine symbol.

Southern Cross (5 star constellation): This moving constellation represents our changing field and the 5 students of the program.

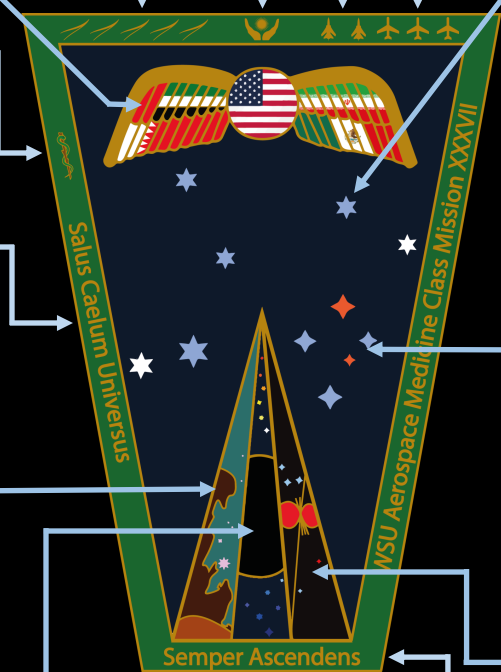
"Salus Caelum Universus" from Latin words: Health, Celestial sphere, and Universe.

Pillars of Creation: Represents the knowledge of humanity

Eta Carinae: This is a possible supernova or hypernova. It represents our potential to establish new knowledge

Black Hole and 12 Stars: The black hole represents what we do not know. The 12 stars represent the 12 characteristics of a researcher: curious, operative, creative, analytical, persevering, objective, team oriented, empathic, ethical, communicative, detail oriented. The colors of the stars are from the coldest to the hottest.

Designers:
Basma Albannai
Allen C. Guehl
Jesus A. Guerra Rivera





IV. Student Bios

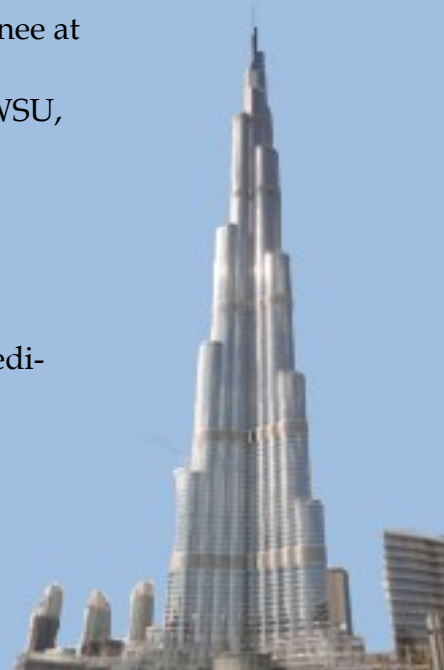


Basma Albannai

Hometown: United Arab Emirates

Contact information: The Greene, Beavercreek,
OH 45440
albannai.4@wright.edu

- Professional Background:
- ◆ *November 2012 - August 2014* | General practitioner at UAE Air Force Air Defence.
 - ◆ *March 2011 - October 2012* | GP in AE department at Albaraha Hospital Dubai UAE.
 - ◆ *January 2010 - February 2011* | Internship rotations at Albaraha, Hospital Dubai UAE.
- Education:
- ◆ *2014 - Present* | MS Aerospace Medicine , WSU, Dayton, OH.
 - ◆ *2014* | Emirates Practitioner certificate in aviation medicine at Emirates Airline.
 - ◆ *2013* | ACLS, ATLS.
 - ◆ *2012*
 - Certificate of attending Aviation Emergency Workshop at Etihad Airways.
 - Certificate of attending Clinical correlation to Aviation transport at Albateen Airport Abu Dhabi UAE.
 - ◆ *2011*
 - BLS.
 - Certificate of participation in aviation medicine workshop at Aldhafra Air Base Abu Dhabi UAE.
 - ◆ *2009* | L.R.C.P. & S.I.,M.B.,BCh.,B.A.O. Royal College of Surgeons in the Republic of Ireland.
- Awards:
- ◆ *2010 - 2011* | Certificate and award of Best medical trainee at Albaraha hospital, Dubai, UAE.
 - ◆ *2014* | Certificate of membership in Honor society at WSU, Dayton, OH.
- Interests: Sea sports, Jogging, movies, cross words, music.
- After 5 years / desires/ wishes: Establish a department of medical evacuation in aviation medicine.





Sholeh Bazrafshan Kondori

Hometown: Tehran, Iran

Contact information: Bazrafshankondori.2@wright.edu

Education:

- ♦ 2014 - Present | MS Aerospace Medicine , WSU, Dayton, OH.
- ♦ *October 2011* | Certification in “ Use of Space Technology for Human Health Improvement”, Tehran, Iran.
- ♦ *Feb 2003 – April 2010* | Doctorate of Medicine (MD) at Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Awards: October 2013 International Academy of Aerospace Medicine (IAASM) scholarship

Interests: Literature, History, Musical theatre, Movies, Music, Yoga, Swimming

After 5
years /
desires/
wishes:

Be happy





Christopher Lienesch

Hometown: Kalispell, MT

Contact information: (208) 340-3732
lienesch.2@wright.edu

Professional Background:

- ◆ 2013 - Present | Flight Surgeon, 173rd FW, Oregon ANG.
- ◆ 2008 - 2012 | Flight Surgeon, 391st Fighter Squadron Mountain Home AFB, ID.
- ◆ 1991 - 2000 | F-15E Weapon Systems Officer, USAF.

Education:

- ◆ Current | Resident in Aerospace Medicine, WSU.
- ◆ 2007 - 2008 | PGY-1 Internship, Evanston, IL.
- ◆ 2003 - 2007 | Oregon Health and Science University (OHSU) School of Medicine, Portland, OR.
- ◆ 1987 - 1991 | BA Political Science, Montana State University, Bozeman, MT.

Interests: Photography and enjoying the great outdoors.

After 5 years / desires / wishes: Working a little and enjoying life a lot.





Allen C. Guehl

Hometown: Dayton, Ohio

Contact information: 1272 Hunt Club Dr.,
Beavercreek, OH 45434
drguehl@gmail.com

Professional Background: ♦ 2015 - 2016 | General Surgery Residency Wright State University.
♦ 2013 - 2015 | Chief of division of Podiatric Surgery, Department of Surgery Springfield Regional Medical Center.
♦ 1999- 2015 | Private practice Dayton Ohio.
♦ 1997 - 1999 | Podiatric Surgical Residency, Chicago IL.

Education: ♦ 2014 - Present | MS Aerospace Medicine , WSU, Dayton, OH..
♦ 2015 | Student pilot solo.
♦ 2014 | MD, International University of the Health Sciences: Basseterre St Kitts.
♦ 2014 | FAA Fundamentals of instruction (FOI).
♦ 2013 | ACLS and PALS.
♦ 1997 | DPM (Doctor of Podiatric Medicine), Rosalind Franklin University, Chicago, IL.
♦ 1994 | B.S. (Biological Sciences), Rosalind Franklin University, Chicago, IL.
♦ 1991 - 1993 | Nuclear Engineering Course of Study at University of Cincinnati.

Professional Memberships: ♦ 2014 | Member of Aerospace Medical Association.
♦ 2014 | Board Certified Wound Specialist Physician (CWSP) American Board of Wound Management.
♦ 2012 - 2014 | Board of Directors, Podiatric Group Management, LLC.
♦ 2011 - 2014 | Board of Directors, Ohio Physicians and Surgeons Group, LLC.
♦ 2013 | Miami Valley Hospital Foundation, The 1890 Society member.
♦ 2000 | Board Certified, American Board of Podiatric Surgery.

Interests: Flying, and application of technological advances.

After 5 years/
desires/wishes: I will be enjoying my family and discovering the opportunities in aerospace medicine.





Jesús A. Guerra Rivera

Hometown: Monterrey, México

Contact information: 3692 E. Patterson Rd Apt B
Beavercreek, OH 45430
drjadrian@hotmail.com

Professional Background: ♦ *February 1, 2013 - January 31, 2014* | General physician for Ministry of Health of Nuevo Leon (Social Service).

- ♦ “Los Altos” Health Center, Monterrey, Nuevo Leon, Mexico.
 - ♦ February 5, 2013 - January 20, 2014 | General Physician.
 - ♦ August 2, 2013 - January 20, 2014 | Health Center Administrator.
- ♦ “Madre Selva” Health Center, Monterrey, Nuevo Leon, Mexico.
 - ♦ January 29, 2014 - February 4, 2014 | General Physician.

♦ *2010 - 2013* | Internship program of the Autonomous University of Nuevo Leon (UANL) at University Hospital “Dr. José Eleuterio González.”

Education: ♦ *2014 - Present* | MS Aerospace Medicine , WSU, Dayton, OH.
♦ *August 2006 - January 2013* | Bachelor in Medicine, Surgery and Midwifery at Autonomous University of Nuevo Leon (UANL), Monterrey, Nuevo Leon, Mexico.

Awards: ♦ 2014 | Certificate for Excellent Performance in Social Service of the Bachelor in Medicine, Surgery and Midwifery by the Ministry of Health of Nuevo Leon.
♦ 2013 | 3rd Rank of generation 2013 of the Bachelor in Medicine, Surgery and Midwifery at Autonomous University of Nuevo Leon (UANL).

Interests: Admiring landscapes, exploring nature, astronomy, history and cultures, writing, movies, swimming, and flying with friends.

After 5 years / desires/ wishes: Working in the Aerospace Medicine field.





Amjad Abdulrazeq Ebrahim Noor

Hometown: Muharraq, Kingdom Of Bahrain

Contact information: 4898 Effingham PL, Dayton,
OH 45431
noor.6@wright.edu

- Professional Back-ground:
- ◆ 2010 – 2014
 - General Physician (senior resident).
 - Aviation Medicine .
 - ◆ 2003-2010
 - General Surgery Resident.
 - Neurosurgery Resident.
 - Urology Resident.
 - Vascular Surgery Resident.
 - Orthopedic Resident.
 - ◆ 2001-2002 | Internship.

- Education:
- ◆ 2014 - Present | MS Aerospace Medicine , WSU, Dayton, OH.
 - ◆ 2012 | Diploma in aviation medicine- KSA.
 - ◆ 1994 - 2000 | M.B.Ch.B degree Al-Mustansiriya University College Of medicine Iraq.

Interests: Soccer and Camping.

After 5 years / desires/ wishes: Consultant in aviation medicine.



V. Guest Lecturers

Date	Speaker	Topic
17-Oct-14	Col. Charles "Chaz" Shurlow USAF	Medical Support for Shuttle Launch and Landing Operations
21-Oct-14	Col. (Retired) Swee "Buzz" Weng Fan	Aerospace Physiology Training and Training Devices
21-Oct-14	Robin Dodge, MD (Program Dir.- Ret)	History of Aerospace Medicine Residency Training
19-Nov-14	Chuck Doarn, MBA	Telemedicine
Video Teleconference from JSC		
17-Feb-15	Ulissey Van Baalen Lee	NASA/NAMI Space Medicine Course Space Medicine Overview Lifetime Surveillance of Astronaut Health
18-Feb-15	Conkin Dervay Beven Smith	Cardiovascular Changes in Spaceflight EVA-DCS Overview EVA-Clinical and Operational Aspects Psychological Support Services for ISS Crew
19-Feb-15	Sibonga McClung Tarver Holden	Nutrition in Spaceflight Bone Loss in Spaceflight Orion Overview Vision Impairment and Intracranial Pressure Human Factors Work on Orion
End of Video Teleconference from JSC		
3-Apr-15	Paul Sampson	Intercontinental Air Crew Operations
7-Apr-15	Lt Col Ralph Lim, MD Maj Tighe Richardson, MD	Aerospace Ophthalmology, Color Vision, Corneal Refractive Surgery Aerospace Ophthalmology, Color Vision, Corneal Refractive Surgery
9-Apr-15	Lt Col Doug Lewis, PHD	Radiation Health Physics
10-Apr-15	Arlene Saitzyk, CDR, MSC, USN	Aerospace Psychology -General Discussion of Space Medicine, Policy, and HQ Role
13-Apr-15	Charles Doarn, MBA	-Long Duration vs. Long Distance Flight -Astronauts as Test Subjects and Ground-Based Test Beds
23-Apr-15	Bob Billings	Acceleration and Ejection Seat Biodynamics



VI. Class Photo Gallery



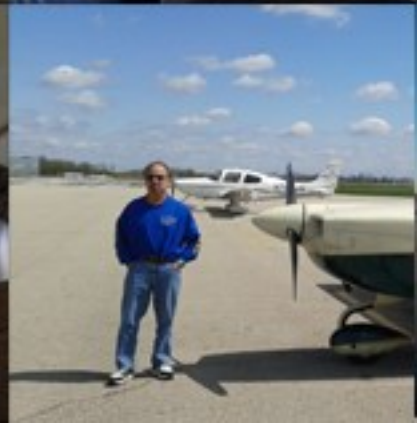
Class Activities



National Museum of the USAF



Moraine Airport and Allen Plane Activities



VII. Alumni Updates

Name	Year of Graduation	Update
Akiko Matsumoto	2005	Email: matsumoto.akiko@jaxa.jp
Akira Miyamoto	1989	Email: miyamoto@nihon-u.ne.jp
Arnold Angelici	2001	Flight Surgeon for the FAA, Southern Region.
Atsuo Kikuchi	1993	Clinic at the Haneda Airport in Tokyo.
Hussain Pervaiz	1995	<p>Several fruitful years with the United Arab Emirates Aviation. First practicing Civil Aviation Medicine with the General Civil Aviation Authority of the UAE and now doing Military Aviation Medicine with the UAE Air Force. I would be more than happy to be mentored or mentor or in any way help any of my colleagues.</p> <p>I would like to express my deepest Regards for my teacher and my mentor Late Prof. Stanley Mohler, without him I won't be where I am today and my deepest condolences to his family and the whole aviation community. It is an irreplaceable loss. God rest his soul in peace.</p> <p>Congratulations to Dr. Olson and Dr. Jarnot for these appointments and all the best with the great responsibilities which come along with it. If there is anything I can do to help in any way let me know. My Regards for Donna and all our colleagues.</p>
James R Popplow	1982	Now, (finally) fully retired from the RCAF, 1 Canadian Air Division Office in Sep 2013 and from medical practice Sep 2015.
Kenneth Fong	1992	No updates.
Kevin Robert Van Valkenburg	2014	Active Duty Air Force, recently promoted to rank of Colonel. Resident in Aerospace Medicine at Wright Patterson AFB, School of Aerospace Medicine. Anticipate graduation in Summer 2016. Hoping to complete research project addressing musculoskeletal issues in pilots flying high-G aircraft.
Khan Shirani	2009	Email: abubram@gmail.com
Mansi Amin	2007	I am currently practicing Internal Medicine at Premier HealthNet Oakwood Primary Care in Dayton, Ohio.



Melchor Antuñano 1988

Dr. Antuñano received the “Won Chuel Kay Award” granted by the Aerospace Medical Association (sponsored by the Korean Aerospace Medical Association) for outstanding contributions to international aerospace medicine. May 2014.

Dr. Antuñano was invited to deliver lectures on “Effects of Pilot Exposure to LASERS During Flight”, “Physiological, Environmental and Operational Safety Factors in Manned Commercial Space Flights”, “Safety & Survivability Factors in Aviation”, and “New Medical Technologies & Their Impact in Aerospace Medicine” at the 1st Congress of Aviation Medicine and Operational Safety organized by the Aviation and Occupational Medicine Examination Center, Santiago, Chile, November 2014.

Dr. Antuñano supported the organization and conduct of the scientific program of the 62nd International Congress of Aviation and Space Medicine in Mexico City, October 12 to 16, 2014. During this congress Dr. Antuñano successfully completed his duties as Chancellor of the International Academy of Aviation and Space Medicine. Dr. Antuñano was invited to deliver the "André Allard Lecture" and the topic of his presentation was “Technology Innovations – To Boldly Go Where No One has Gone Before.” He talked about emerging developments in aerospace transportation technologies as well as the latest breakthroughs in the design and implementation of advanced medical technologies and their practical impact on aerospace medicine, human performance, and flight safety.

Dr. Antuñano was invited to deliver a lecture on “New Developments in Medicine and Impact on Future Aerospace Medical Decision Making” at the 4th European Congress of Aerospace Medicine organized by European Society of Aerospace Medicine in Bucharest, Romania, September 2014.

Dr. Antuñano was invited to deliver a lecture via video teleconferencing on "Medical Aspects in Manned Commercial Space Missions" organized by the Aerospace Development Center of the National Politechnic Institute, Mexico City, Mexico, August, 2014.

Dr. Antuñano was invited to deliver lectures on “Medical and Human Factors Issues in Manned Commercial Space Transportation”, “Aerospace Medicine Implications of New Medical Technologies: Genomics & Neurotechnologies”, “Aerospace Medicine Implications of New Medical Technologies: Regenerative Medicine & Artificial Organs”, and “New Developments in Aerospace Transportation Technologies”, at the 6th International Aviation Medical Examiner Seminar organized by the German Academy of Aviation and Travel Medicine in Munich, Germany, August 2014.

Dr. Antuñano was invited to deliver a lecture via video teleconferencing on "Physiological, Operational and Environmental Risk Factors in Manned Commercial Space Flights" organized by the Faculdade de Ciências Médicas da Santa Casa de São Paulo, São Paulo, Brazil, August, 2014.

Continue next page...



Melchor Antuñano	1988	Dr. Antuñano co-authored an International Academy of Astronautics report on "Private Human Access to Space - Volume 1: Suborbital Flights." Dr. Antuñano co-authored Chapter 9 on "Medical Aspects of Suborbital Space Tourism" that includes Recommendations for the Implementation of a Medical Safety Management System for Suborbital Commercial Human Spaceflight Operations. June 2014.
Michael Barratt	1991	Happily repatriated back to the Astronaut Office after a stint with the Human Research Program. Trying hard to get the 2nd edition of the textbook out in spite of vigorous work schedule!
Michael Glenn Hodges	2011	I completed my Occupational Medicine Residency at the School of Aerospace Medicine, Wright-Patterson AFB, Dayton OH in June 2014. I am now Board Certified in Family Medicine, Aerospace Medicine and Occupational Medicine. I took command of the 355th Aerospace Medicine Squadron, 355th Fighter Wing, Davis-Monthan AFB, Tucson AZ in July 2014. My family and I are enjoying the great weather in Tucson AZ.
Patrick McGinnis	1992	Full-time at Memorial Hermann-Texas Medical Center: Director of Medical Informatics. Part-time Flight Surgeon with the USAF Reserve; rank: Colonel; position: IMA to the USAFE Surgeon General City Councilman: Friendswood, TX.
Richard Kipp	2013	I will be completing the USAF RAM summer of 2015.
Rick Ludtke	2014	I've accepted the position of Chief, Flight and Operational Medicine (SGPF) at the Air National Guard Readiness Center, Joint Base Andrews, MD.

"The best way to predict the future is to create it."

Peter F. Drucker (1909-2005)



Name	Masters Project Titles RAM XXXVI
Alaziz, Mustafa	"Cirrus Airframe Parachute System: Study analysis"
Alhammad, Ali	"Infectious Disease and Air Travel"
Lienesch, Christopher	"The Use of Home Cervical Traction to Reduce Neck Pain in Fighter Pilots"
Mylabathula, Preteesh	"A Review of Immunology in Microgravity"
Urquieta, Emmanuel	"Left Ventricular Atrophy After Spaceflight: Is it a significant concern?"
VanValkenburg, Kevin	"Musculoskeletal Symptoms in Fighter Pilots Flying High-G Aircraft in Military Training Programs and Military Operations"

American Board of Preventive Medicine new diplomats in the specialty of Aerospace Medicine

Clifton Nowell, MD, MS

David Andrus, MD, MS

John Ludtke, MD, MS



*"Great works are performed not by strength,
but by perseverance."*

Samuel Johnson

VIII. Memorial

The passing of Stan and Ursula Mohler has brought much reflection for us in the Division of Aerospace Medicine. Both Stan and Ursula remained a presence in the Division, even after Stan no longer maintained an office within our walls. Every so often, they would show up at our doorstep and spend a few moments to catch up, share stories, and pick up mail. Every so often we would travel to their house to check on them and help out where we could. Stan was always positive, greeting us with “well there’s a good man!” And who can forget the tour of the Air Force Museum where Stan would have a chance to express his enthusiasm for aviation and share a lunch with you. Ursula was always happy to spend time with us, greeting us with a big smile and a warm hug. Besides being mentors, they both provided the gift of friendship to us.

Their last several visits made it clear they were slowing down. Stan needed assistance getting up to our office while Ursula waited in the car. Despite her difficulties, it was still a pleasure to go down to the car and visit with Ursula as well. On their last visit, July 1st, 2014, Stan told us they were moving to Pittsburg to be closer to family. It was a sad visit as we knew the change would be permanent.

After their passing, Stan and Ursula’s children provided one more gift to the program. The Mohler Family graciously donated much of Stan’s Aerospace library and office materials to the WSU Division of ASM. It is a gift that is full of many treasures, historic documents, and memorabilia. With it, we are adding to our library, as Stan, Ursula, and their family would want, for the benefit of our future students. Their presence will be greatly missed by all. We will continue to move forward with a positive attitude, as both Stan and Ursula would have hoped.

To this end, his legacy has been carried forward by the creation of the Stanley R. Mohler M.D., MPH Aerospace Medicine Lecture Series held annually at the Experimental Aircraft Association AirVenture in Oshkosh, Wisconsin. This July marks our second offering to the aerospace medicine community.

In memory of

Stanley R. Mohler and Ursula Mohler
(September 15, 2014) (October 11, 2014)



July 1, 2014 - ASM Division Office

