

IAASM

**INNOVATION AND
TECHNOLOGY IN
AVIATION AND SPACE
MEDICINE**



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**International Academy
of Aviation and Space
Medicine
6 March 2024**

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**ICAM
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3 | 5 October



**International
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Lisbon

3 - 5 October 2024

Innovation and Technology Webinar

FACULTY and TOPICS

- **Sally Evans, MBE, FRCP FFOM DAvMed FRAeS, Secretary General, IAASM**
- **David Gradwell, B.Sc PhD MBChB FRAeS, President, IAASM**
- **Robert Orford, MD CM MS MPH FACP FRCPC, Moderator**
- **Jeffrey C. Sventek, MS CAsP FAsMA FRAeS, Executive Director, AsMA**

Speakers:



Kris Belland, DO, MBA, MPH, MSS, President/CEO, Aerospace Medical Strategic Consultation, Dallas, TX

□ Safety and Effectiveness Assessment of Ultraviolet-C Disinfection in Aircraft Cabins

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FACULTY and TOPICS

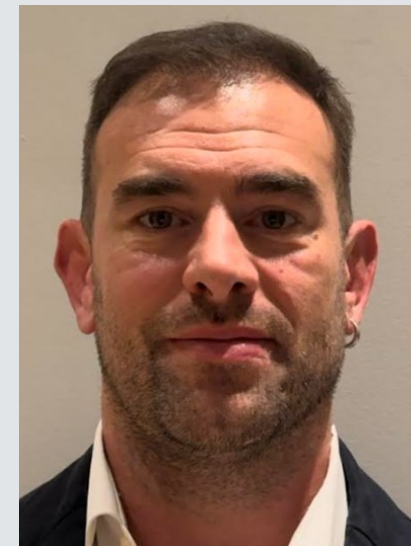


David Musson, MD, PhD, CEO/Co-Founder of Lunar Medical Inc, Hamilton, ON, Canada

□ Artificial intelligence in Space Medicine

Gianluca Borghini, MEE, PhD, Assistant Professor, Molecular Medicine, Sapienza University of Rome

□ Neuroscience Applications for Human Performance Enhancement in Flight



Michael Harrison, MD, MS, MPH, PhD, Chief Medical Officer, Axiom Space, Houston TX

□ Missions, Suits, and Stations –Advancements in Human Spaceflight from a Commercial Space Company



**IAASM
Innovation
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Webinar
Disclosures**

No planner, faculty member, or speaker has identified any conflicts of interest or made any other disclosures relevant to this webinar.

No off-label use of medication will be discussed.



Innovation and Technology Webinar Overview

- The Moderator will briefly introduce each speaker
- There may be time for 1-2 questions following each speaker.
- Please place your questions under the Q&A button.
- It is OK to use Q&A for administrative as well as panel topic-related questions.
- Attendees will be muted and the Chat function will not be available to attendees.
- We welcome over 100 attendees from over 60 countries. Thank you for attending.



Kris Belland, DO, MBA, MPH, MSS

Dr. Belland is President/CEO of Aerospace Medical Strategic Consultation. He co-authored both the AsMA 2023 resolution on UV-C and a recent article “Safety and Effectiveness Assessment of Ultraviolet-C Disinfection in Aircraft Cabins.” He is board-certified in family and aerospace medicine. A former Navy fast jet pilot and flight surgeon, he is President-Elect of the AOCOPM, Vice President of CAMA, an IAASM Academician, and has served as President of AsMA.

Details of his biography, and the biographies of subsequent speakers, are in the announcement.



David Musson, MD, PhD

Dr. Musson is CEO and Co-Founder of Lunar Medical Inc. Currently based in Hamilton, Ontario, Canada, his background includes service as a Flight Surgeon in the Royal Canadian Air Force, Founding Director of the Centre for Simulation-Based Learning at McMaster University, and Associate Dean, MD Program, at Northern Ontario School of Medicine University. His academic research has studied the psychological selection of astronauts and Antarctic personnel, and the applicability of remote terrestrial environments as analogs for spaceflight medical care. Lunar Medical is currently developing intelligent medical systems for spaceflight under funding from the Canadian Space Agency.



Gianluca Borghini, MEE, PhD

Prof. Gianluca Borghini is an Assistant Professor at the Dept. of Molecular Medicine, Sapienza University of Rome and Team Leader of the “Human Factor” Lab of BrainSigns srl. His work focuses on the objective assessment of mental states, training, and teamwork by combining behavioural, subjective, and neurophysiological data of military and commercial pilots, air traffic controllers and surgeons. He has authored more than 100 scientific papers.



Michael Harrison, MD, MS, MPH, PhD

Dr. Harrison is Chief Medical Officer, Axiom Space, Houston TX and Senior Associate Consultant and on the faculty of the Departments of Emergency Medicine, Critical Care Medicine, and Aerospace Medicine, Mayo Clinic, Jacksonville FL. His research interests include spaceflight, military aviation, decompression sickness, and high-altitude physiology. He has published more than 30 peer-reviewed articles and is a Fellow of the Aerospace Medical Association, a three-time Ironman finisher, a NITROX-certified rescue diver, and an instrument-rated private pilot.

Innovation and Technology Webinar CME/CPD

- As noted earlier, please complete the webinar evaluation that you will receive.
- If you paid \$25.00 for a CME certificate or \$5.00 for an attendance certificate when you registered, you will receive an email with the CME or attendance certificate from Mr. Sventek, AsMA Executive Director. Otherwise, no CME certificate will be awarded.
- The Undersea and Hyperbaric Medical Society (UHMS) designates this live activity for a maximum of 2.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



Innovation and Technology Webinar

ADMINISTRATIVE QUESTIONS OR CONCERNS

For other questions or concerns regarding this
webinar, please email:

rrorford@gmail.com

or

secretary-general@iaasm.org

A Recording of this Webinar will be made for
Academicians unable to attend this meeting and
posted on the iaasm.org website.

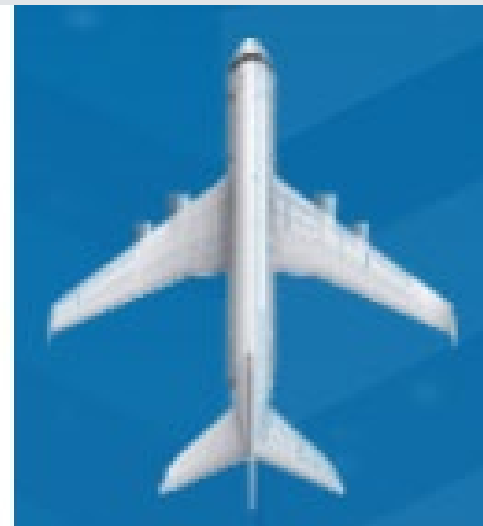


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