

Human Research Program for Civilians in Spaceflight and Space Habitation Workshop Agenda Day One – Jan. 23, 2024		
	Breakfast	8:00 – 9:00 AM
Welcoming remarks from Workshop Sponsors and Host	Dr. Bettina Beard , Chair presides: Opening welcoming remarks by Dr. Paul Wilde , President of IAASS; Recognition and thanks to all Co-sponsors	8:30 AM (10)
Welcome to OSU	Dr. Johnny Stephens , President, OSU Center for Health Sciences; Dr. Jamey Jacob , Director of the OSU Aerospace Institute and Workshop Host	8:40 AM (15)
The Value of a Human Research Program	Hon. Jim Bridenstine , Former NASA Administrator and US Member of Congress	8:55 AM (40)
Conception/History of the project (Importance of diversity and inclusion)	Dr. Michael Marge , Vice Chair, IAASS Workshop; Editor of HRP-C Report	9:35 AM (15)
Planning and scope of the HRP-C	Dr. Bettina Beard , NASA & Chair, IAASS Workshop	9:50 AM (15)
Design Reference Missions: Recommendations for the HRP-C	Dr. Sarah Georgin , Space Safety Institute, The Aerospace Corporation	10:05 AM (15)
	Break	10:20 AM (30)
HRP-C for civilians in space: Space industry Perspective; Physician and Civilian Training	Dr. Thomas Marshburn , Chief Medical Officer, Sierra Space; former NASA Astronaut	10:50 AM (40)
Health and Performance Subcommittee Recommendations: Overview	Dr. Michael Schmidt , CEO, Sovaris Aerospace	11:30 AM (15)
Track 1: Comprehensive Measures <i>Molecular phenotyping</i>	Dr. Michael Schmidt , Sovaris Aerospace	11:45 PM (15)
Luncheon	Distinguished Invited Speaker: The Honorable Frank Lucas, U.S. Congressman	12:00 PM (60)
<i>Physiological phenotyping</i>	Dr. Jeffrey Jones , Baylor Coll. of Medicine	1:00 PM (15)
<i>Behavioral phenotyping</i>	Dr. Bettina Beard , NASA	1:15 PM (15)
<i>Morphological phenotyping</i>	Dr. Lori Ploutz-Snyder , Univ. of Michigan	1:30 PM (15)
General discussion of Track 1 with all participants	Dr. Simon Evetts , Director of R&D, Blue Abyss, England	1:45 PM (60)
Potential health challenges for commercial spaceflight astronauts	Dr. JD Polk , Chief Health and Medical Officer, NASA	2:45 PM (40)
	Break	3:25 PM (30)
Global human space research	Roberto Vittori , Astronaut, Italian Space Agency and European Space Agency	3:55 PM (40)
CAMI research priorities and gaps in space medicine and human factors	Dr. Melchor Antunano , Director, CAMI/FAA	4:35 PM (40)
Adjourn; Details about Reception/Dinner/Panel	Dr. Jamey Jacob , OSU Host	5:15 – 5:20 PM (10)
	Reception at the Tulsa Air & Space Museum.	6:15 – 7:15 PM
	Dinner	7:15 PM
During dinner, Panel Discussion on the topic of the “Commercialization of Space”	Hon. Jim Bridenstine , former NASA Administrator, Panel Chair, Donald Krupp , NASA; Douglas Terrier , NASA	7:40 – 8:40 PM (60 min.)

**Human Research Program for Civilians in Spaceflight and Space Habitation
Workshop Agenda Day Two – Jan. 24, 2024**

	Breakfast	8:00 – 9:00 AM
Overview of yesterday’s deliberations and what to expect for Day 2	Dr. Bettina Beard , Chair	8:30 AM (10)
Panel discussion: Protecting the health and performance of deep space travelers	Dr. Beard , Chair: Dr. Jennifer Fogarty , TRISH; David Baumann , NASA; comments by Victor J. Glover , NASA Astronaut assigned to the Artemis II Mission to the Moon	8:40 AM (55)
Track 2: Targeted research	Dr. Michael Schmidt , Sovaris Aerospace	9:35 AM (5)
Isolation, Confinement and Distance from Earth	Dr. Funmilola A. Oluwafemi , Nigerian Space Agency	9:40 AM (35)
Making space accessible and safe for individuals with disabilities	Dr. Sheri Wells-Jensen , AstroAccess; Advisor of diversity & inclusion in space	10:15 AM (20)
	Break	10:35 AM (15)
Design Reference Mission ‘effects-impacts-countermeasures’ matrix: Implications for research for human health and safety in space	Dr. Simon Evetts , Director of R&D, Blue Abyss, England	10:50 AM (15)
General discussion of Track 2 with all participants	Dr. Mark Shelhamer , Moderator	11:05 AM (60)
	Lunch	12:05 PM (55)
Track 3: Operations, Programs, and Capabilities	Dr. Michael Schmidt , Sovaris Aerospace	1:00 PM (15)
<i>Space Health Reporting System</i>	Dr. Richard Kingston , University of Minnesota	1:15 PM (15)
<i>Human specimen and data repositories</i>	Dr. Chris Mason , Cornell University	1:30 PM (15)
<i>Human System Risk Board for Civilians</i>	Dr. Mark Shelhamer , Johns Hopkins School of Medicine	1:45 PM (15)
<i>AI, Modeling, prediction, and countermeasures</i>	Dr. Erik Antonsen , Baylor College of Medicine	2:00 PM (15)
<i>Precision medicine</i>	Dr. Michael Schmidt , Sovaris Aerospace	2:15 PM (15)
<i>Terrestrial Applications Program (TAP-C)</i>	Dr. William Queale , Johns Hopkins School of Medicine	2:30 PM (15)
	Break	2:45 PM (15)
General Discussion of Track 3 with all participants	Dr. Sarah Georgin , Moderator; Space Safety Institute, The Aerospace Corporation	3:00 PM (60)
Recommendations for implementing the HRP-C nationally and internationally	Dr. George Nield , Director of the Global Spaceport Alliance with Prof. Simonetta Di Pippo , Professor of Practice of Space Economy - Director SEElab Italia and former Director of UN Office for Outer Space Affairs	4:00 PM (40)
Summing It Up and Next Steps	Drs. Beard, Marge, and Jacob	4:40 PM (20)
	Adjourn	5:00 PM