

## Day One

<b>Human Research Program for Civilians in Spaceflight and Space Habitation (HRP-C) Jan 23, 2024</b>		
	<i>Breakfast</i>	8:00 AM
Welcome from sponsors	Dr. Tina Beard presides: Opening welcoming remarks 1. Dr. Paul Wilde, IAASS; 2. Dr. Josef Koller, The Aerospace Corporation; 3. Dr. George Nield, Global Spaceport Alliance; 4. President Kayse Shrum, OSU	8:30 AM
<i>Title of Talk: TBA</i>	Congressman Frank Lucas (Introduced by OSU President Shrum	8:50 AM
Welcome to OSU	Dr. Jamey Jacob, Director of the OSU Aerospace Institute and Workshop Host	9:05 AM
Significance of an HRP-C: Benefits for all nations	Dr. Jim Bridenstine, JB Solutions	9:10 AM
Conception/History of the project (Importance of diversity and inclusion)	Dr. Dorothy K. Marge, representing the Vice Chair	9:40 AM
HRP-C Scope, Planning	Dr. Tina Beard, Chair	9:55 AM
<b>Design Reference Missions Subcommittee: DRM Definitions</b>	Dr. Angie Bukley, The Aerospace Corp	10:05 AM
	<i>Break</i>	10:20 AM
HRP for Civilians in Space: Space Industry Perspective	Dr. Tom Marshburn, Sierra Space	10:50 AM
<b>Health &amp; Performance Subcommittee Recommendations Overview</b>	Dr. Michael Schmidt, Sovaris Aerospace	11:40 AM
<b>Track 1: Comprehensive Measures</b>		12:10 PM
<i>Multi-Omic Molecular Measures</i>	Dr. Michael Schmidt, Sovaris Aerospace	12:15 PM
	<i>Lunch</i>	12:30 PM
<i>Physiological Phenotyping</i>	Dr. Bruce Johnson, Mayo Clinic	1:30 PM
<i>Behavioral Measures</i>	Dr. Tina Beard, NASA	1:45 PM
<i>Morphological phenotyping</i>	Dr. Lori Ploutz-Snyder	2:00 PM
General Discussion	<i>Dr. Kate Robson-Brown to moderate</i>	2:15 PM
Potential Health Challenges for Commercial Spaceflight Astronauts	Dr. James D. Polk, NASA	3:15 PM
	<i>Break</i>	3:45 PM
Invited International Speaker on Global Human Research	Dr. Raffi Kuyumjian, CSA	4:00 PM
CAMI Research Priorities and Gaps in Space Medicine and Human Factors	Dr. Melchor Antunano, CAMI	4:30 PM
	<i>Reception &amp; Dinner @ the Tulsa Air and Space Museum - Panel Discussion: The commercialization of space--Phil McAlister, Kate Rubens, Angela Hart, Steve Stich, and Victor Glover</i>	6:00 PM

## Day Two

### Human Research Program for Civilians in Spaceflight and Space Habitation (HRP-C) Jan 24, 2024

	<i>Breakfast</i>	8:00 AM
Overview of yesterday and what to expect on Day 2	Dr. Tina Beard, Chair	8:30 AM
<b>Track 2 : Targeted Research</b>		8:45 AM
<i>Protecting the health and performance of deep space travelers</i>	Panel discussion--David Baumann, Lisa Watson-Morgan, Douglas Terrier, Jennifer Fogarty, and Jonny Kim	8:50 AM
<i>Isolation, Confinement, and Distance from Earth</i>	Dr. Funmilola A. Oluwafemi, ESA	9:50 AM
<i>Insufficient pre-flight training for anomaly response</i>	Dr. Eduardo Salas, Rice U	10:05 AM
	<i>Break</i>	10:20 AM
<i>SFPs with Disabilities</i>	Dr. Sheri Wells-Jenson, BGSU	10:35 AM
<i>DRM x Disabilities</i>	Dr. Simon Evetts	10:50 AM
General Discussion	<i>Dr. Tina Beard to moderate</i>	11:05 AM
<b>Track 3: Operations, Programs/Projects</b>		12:05 PM
<i>Adverse Event Reporting System and SFP Journals</i>	Dr. Rick Kingston, University of Minnesota	12:10 PM
	<i>Lunch</i>	12:25 PM
<i>Human Specimen &amp; Data Repositories</i>	Dr. Chris Mason, Cornell	1:10 PM
<i>Human System Risk Board for Civilians</i>	Dr. Mark Shelhamer, JHMS	1:25 PM
<i>Physician &amp; Civilian Training</i>	Dr. Tom Marshburn, Sierra Space	1:40 PM
<i>Modeling, Prediction, and Countermeasures</i>	Dr. Annette Sobel, Univ. of Missouri	1:55 PM
<i>Precision Medicine</i>	Dr. Michael Schmidt, Sovaris Aerospace	2:10 PM
<i>Terrestrial Applications Program (TAP-C)</i>	Dr. Jeff Jones, Baylor College of Medicine	2:25 PM
	<i>Break</i>	2:40 PM
General Discussion	<i>Dr. Annette Sobel to moderate</i>	2:55 PM
<b>Implementation Subcommittee</b>	Dr. George Nield, Chair with invited speaker Dr. Simonetta Di Pippo, Dir. UN Office for Outer Space Affairs	3:45 PM
<b>Summing It Up and Next steps</b>	Drs. Beard, Marge, & Jacob	4:45 PM