



## ISDC 2026 Session Schedule

### Space Health

As of 5/3/26

#### Thursday, June 4

#### Statler (lower level)

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|---------|--|
| 2:00 pm | Spines in Space. Dr. Haig John (Odyssey Charter School)  |
| 2:10 pm | A Model of Astronaut Telomere Dynamics: Literature Review and Analysis. Dr. Joannes Paulus Tolentino Hernandez (Helene Fuld College of Nursing)  |
| 2:20 pm | 3DMM: 3D Cell Culture Lab-on-Chip with Microfluidics under Simulated Microgravity. Michela Cutigni (Sapienza University of Rome/Thales Alenia Space)   |
| 2:30 pm | From Bench to Beyond Earth: Augmenflo - A Novel Wearable Device to Prevent Vision Loss in Space. Dr. Shenoy Varadaraya (University of Washington)  |
| 2:40 pm | The Resolution of Space Adaptation Syndrome (SAS) and Expected Space Ionizing Radiation Injury by Restoring Natural Recovery Systems. Dr. William Gardiner (Laboratory Consulting Resources, Inc.) |
| 2:50 pm | Advancing Biomedical Research Infrastructure for Human Spaceflight: Challenges and Pathways for Standardized Biospecimen Collection. Jeremy Wain Hirschberg (Weill Cornell Medicine)               |
| 3:00 pm | Integrative Human Performance in Space: Exploring Ayurveda-Informed Approaches to Astronaut Readiness. Dr. Meredith Beckford-Smart (Futures Forum)   |
| 3:10 pm | NSS Student Space Settlement Contest Presentation  |
| 3:30 pm | Extreme Healthcare in Extreme Environments - From Space to Earth. Dr. Eliah Aranoff-Spencer (University of California, San Diego)  |
| 4:00 pm | Extreme Environments as Discovery Tools: What Spaceflight Physiology Reveals About Health, Aging, and Disease. Dr. Dana Levin (Vast)   |
| 4:25 pm | Psychological and Psychiatric Issues in Space. Dr. Nick Kanas (University of California, San Francisco, Emeritus)  |
| 4:55 pm | When the Hatch Opens - Physiology, Fitness and Survival in Space. Dr. Erik Seedhouse (Embry-Riddle Aeronautical University)  |
| 5:20 pm | Ground Based Analogs for Space Flight: Work You Can Do That Benefits People on Earth Today and Space Exploration in the Future. Dr. Marc Shepanek (NASA, retired)                                  |
| 5:45 pm | Open Forum: Questions and Closing Thoughts   |
| 6:00 pm | END  |