

Topics in Human Space Exploration and Medicine

Astro-Omics as a First Step to Deploying Precision Medicine in Space

Speaker:

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12:10 – 1:00 p.m.

DeBakey Classrooms – M321/M323

Learning Objectives:

- Describe NSBRI / BCM / NASA driven Astro-Omics projects, with particular emphasis on the NSBRI/NASA funded Twins Study.
- Discuss the pernicious space radiation environment, from the perspective of individual vulnerabilities – including sex-based differences between male and female astronauts.
- Anchor the use of personalized medicine, including mitigating the health effects of space radiation, to the future exploration of deep space such as a Mars Flyby mission.