

*Topics in Human Space Exploration and Medicine*

**Personalized Medicine: a 21<sup>st</sup> Century Countermeasure Against  
Becoming Lost in Space**

Speaker:

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12:10 – 1:00 p.m.

Kleberg Auditorium

Learning Objectives:

- Describe NSBRI / BCM / NASA driven Astro-Omics projects, as a first step towards employing personalized medicine in space.
- Discuss the pernicious space radiation environment, from the perspective of individual vulnerabilities – including differences between male and female astronauts.
- Anchor the use of personalized medicine, including mitigating the health effects of space radiation, to a future Mars Flyby mission.