



## *Introduction to Human Space Exploration and Medicine*

*An Elective Lecture Series Presented by the Center for Space Medicine*

### **Radiation Health Risk for Long-Duration Spaceflight Missions Outside of Low-Earth Orbit**

Speaker: Jeff Chancellor  
Radiation Scientist, National Space Biomedical Research Institute  
Senior Project Manager, Baylor College of Medicine  
Ph.D. candidate at TX A&M University

Wednesday, March 20, 2013

12:10 – 1:00 p.m.

McMillian Auditorium

#### Learning Objectives:

- Understand the types of radiation in the space environment and the effects of ionizing radiation
- Gain an understanding of the health risks to long duration mission crews because of the dynamic radiation environment outside of low Earth orbit (LEO)