

Baylor
College of
Medicine

CENTER FOR
SPACE MEDICINE

Topics in Human Space Exploration and Medicine

An Elective Lecture Series Presented by the Center for Space Medicine

Issues of Behavioral Performance and Behavioral Health in Space

Speaker: David F. Dinges, Ph.D.
Professor and Director, Unit for Experimental Psychiatry
Chief, Division of Sleep & Chronobiology
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania

Wednesday, December 7, 2016

12:10 – 1:00 p.m.

Kleberg Auditorium

Modern human history is replete with great expeditions that failed due to human error rooted in one organ (the brain).

Exploration of space requires increasingly prolonged periods of confinement, isolation, and exposure to health risks. Maintaining crew members' behavioral capabilities during exploration missions will require finding effective ways to predict, prevent, detect and intervene to counter both individual neurobehavioral deficits and problems of crew cohesion. This talk will review the relevant issues to ensuring humans can cope cognitively, emotionally and socially with the demands of prolonged space flight.