

Baylor  
College of  
Medicine

CENTER FOR  
SPACE MEDICINE

## *Introduction to Human Space Exploration and Medicine*

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

### **Space Cell Biology: A Microcosm of the Influence of Physical Forces on Life**

Speaker: Neal R. Pellis, Ph.D.  
Director, Division of Space Life Sciences  
Universities Space Research Association

Wednesday, April 15, 2015

12:10 – 1:00 p.m.

DeBakey Classrooms M321, M323

#### **Learning Objectives:**

- The rationale for cell based research in the Space Program
- Role of physical forces in life processes
- Cellular responses to microgravity and to mechanical forces
- Conditions created by microgravity that influence cell function
- Integration of observations in cells to tissue, system, organ, and organismal level