



## *Introduction to Human Space Exploration and Medicine*

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

# **Life in Space: What We Can Learn From Cells**

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

Wednesday, April 4, 2012

12:10 – 1:00 p.m.

Alkek Building, Room N311

### **Learning Objectives:**

- General understanding of the health risks to humans in space exploration
- The rationale for cell based research in the Space Program
- Role of physical forces in life processes
- Cellular responses to microgravity
- Conditions created by microgravity that influence cell function