

## *Introduction to Human Space Exploration and Medicine*

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

# **Skeletal Adaptation to Spaceflight: How do we Assess Fracture Risk in the Astronaut?**

Speaker: Jean D. Sibonga, Ph.D.  
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Risk Custodian for Bone Fracture  
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Thursday, April 26, 2018

12:00 – 1:00 p.m.

Kleberg Auditorium

### Learning Objectives:

- Understand the insufficiency of DXA BMD as a sole surrogate for fracture risk and to assess astronaut skeletal health for the space program.
- Understand the utility of conventional QCT measurements of the hip for clinical and operational decision-making in the space program.