Wednesday, February 12, 2014
BEHAVIORAL MEDICINE
10:30 a.m. Hibiscus/Daffodil

Chairs: Lauren Leveton
Jason Schneiderman

10:30 a.m. Stuster J. W.
Journals Flight Experiment 2014 [#3002]
Confidential journals are maintained by astronauts during expeditions onboard the International Space Station (ISS) and will be analyzed to compare to data obtained when crews and the station were smaller.

Development and Validation of the Cognition Test Battery for Space Flight [#3237]
We will describe how we addressed the challenges of developing a state-of-the-art cognitive test battery for space flight grounded in the latest neurobehavioral science during Cognition development. We will also report preliminary data from the sleep restriction validation studies.

11:00 a.m. Mollicone D. J. Stubna M. D. Kan K. G. W. Mott C. G. Basner M. Dinges D. F. Pickard S.
Software System for Real-Time Medical Operational Support on ISS [#3265]
The Behavioral Health and Performance Dashboard Software (BHP-DS) provides a suite of behavioral health indicators placed within the context of the mission’s behavioral health stressors.

11:15 a.m. Rose R. D.
Autonomous Multimedia Resilience Training: User Experience [#3272]
We will report on usefulness, acceptability, adherence, and ease of use of an autonomous multimedia resilience-training program; SMART-OP. Implications for use of such training programs with individuals who work in operational environments (i.e., astronauts, flight controllers) will be discussed.

11:30 a.m. Dinges D. F. Basner M. Mollicone D. J. Jones C. W. Ecker A. J. Bartels R. Mott C.
Effects of Time in Mission: ISS Astronauts Ratings of Stress [#3256]
Evaluation of six-month ISS missions revealed that astronauts’ ratings of stress increased systematically in the third and fourth quarters of missions (p < 0.0001). Stress was positively associated with both reduced and poor quality sleep, and with physical exhaustion.

11:45 a.m. DISCUSSION

12:00 p.m. LUNCH