



# NEXT-GENERATION SUBORBITAL RESEARCHERS CONFERENCE 2013

JUNE 3 - 5, 2013  
 OMNI INTERLOCKEN RESORT  
 BROOMFIELD, COLORADO



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**Life Sciences**  
**Monday, June 3, 2013**  
**4:00 pm - 6:00 pm | Room A**

Co-Chair: Dr. Anna-Lisa Paul, Research Associate Professor, University of Florida Co-Chair: Dr. Mark Shelhamer, Associate Professor of Biomedical Engineering, Johns Hopkins University	
Time	Title and Author(s)
4:00 pm - 4:15 pm	<a href="#"><u>Astronaut Performance during Gravitoinertial Force Transitions: a SIRIUS Approach to Suborbital Flight Training</u></a> Kaplan J., Lackner J.R., DiZio P., Panic H., Panic A., Ventura, J.
4:15 pm - 4:30 pm	<a href="#"><u>Alterations in the Event Related Potential in Micro-gravity: Implications for Human Performance Countermeasure Approaches Utilizing Neurofeedback</u></a> Putman J., Othmer S.
4:30 pm - 4:45 pm	<a href="#"><u>Is Radiation Exposure an Important Issue in Suborbital Human Spaceflight?</u></a> Lehnhardt K., Vazquez M.E.
4:45 pm - 5:00 pm	<a href="#"><u>Optimizing Astronaut DNA Stability before Entering Space Radiation Environments? Omics-Based Advances in Personalized Assessment &amp; Countermeasures</u></a> Schmidt M., Goodwin T.J.
5:00 pm - 5:15 pm	<a href="#"><u>Medical Research in Microgravity: Parabolic Flight as a Pathfinder for Suborbital Experiments</u></a> Cuttino, M.
5:15 pm - 5:30 pm	<a href="#"><u>Lessons Learned from Parabolic Flight Testing A Novel Wireless Medical Biomonitoring System</u></a> Komatireddy R., Barrett P., Casey S.C., Shiro B., Reimuller J.
5:30 pm - 5:45 pm	<a href="#"><u>Microbial Interactions in the Space Environment</u></a> Roberts M., Smith D.J., Stutte G.W.
5:45 pm - 6:00 pm	<a href="#"><u>Life science experiment plan using Suborbital Flights</u></a> Ochiai T., Murase H., Homma A., Takeda J., Hayakawa Y., Matsumoto H.

