2005 Abstracts and Presentations

E. Behravesh

D. Bolster
Oral talk “Regulation of Skeletal Muscle Atrophy & Identifying Effective Countermeasures” to the DSLS Science Council, October 4, 2005, CASS.

J. Boyd

K. Bradley
Oral talk on “Nanotechnology and Imaging” at the Nano Health Alliance Workshop, February 23, 2005, Houston, Texas.

**M. Durante**
Seminar “Chromosomal aberrations scored by RxFISH,” January 17, 2005, NASA JSC.
Seminar “The elusive signatures of heavy ions in human chromosomes,” January 20, 2005, NASA JSC.

**K. Forth**

**R. Franklin**
Poster Franklin RB and Mills AL, “Relationship of microbial community structure and soil microenvironment: determining important controls on the distribution of organisms using multi-scale spatial analysis,” 90th Annual Meeting of the Ecological Society of America, August 10, 2005, Montreal, Canada.

**R. Gaza**
Oral talk presented by SWS McKeever: Gaza R, Yukihara E, and McKeever SWS, “The luminescence efficiency response of Al₂O₃:C, LiF:Mg,Ti and CaF₂:Tm detectors to high-
energy heavy charged particles: Results from 6th ICCHIBAN,” 10th Workshop on Radiation Monitoring for the International Space Station, National Institute of Radiological Sciences, September 7, 2005, Chiba Japan.


M. Hada


Poster “M-Band analysis of chromosome aberrations induced by heavy ion radiations in human epithelial cells, 52nd Annual Meeting of the Radiation Research Society, October 16, 2005, Denver, Colorado.


Radiation Biophysics Group Seminar, “mBAND analysis of chromosome aberrations induced by heavy ion radiations in human epithelial cells,” October 28, 2005, NASA JSC.


T. Holland

H. Holtorf

X. Hu

J. Huff

F. Johnson

A. LeBlanc
Invited talk, “Bone Loss and Recovery During Spaceflight and Bed Rest,” 2nd International Conference on Osteoporosis and Bone Research, October 21, 2005, Chengdu, China.

J. Meador
Radiation Biophysics Group Seminar “DNA damage responses at low radiation doses, October 21, 2005, NASA JSC.

H. Nikjoo
Seminar “Tracks in Physics, Chemistry, and Biology,” Physics Department, University of Houston, February 22, 2005, Houston, Texas.
Seminar “Biophysicals in Radiation Biology,” Prairie View A&M University, August 16, 2005, Prairie View, Texas.
Seminar “Calculations on the response of Tissue Equivalent Proportional Counters (TEPC) to HZE particles,” September 29, 2005, NASA JSC.

R. North
Invited guest speaker (Brazilian Ministry of Health and Institute) IV Science Centre World Congress, April 10-15, 2005, Rio de Janiero, Brazil.
Invited guest speaker (Brazilian Air Force Institute of Aeronautics Technology), Space Workshop, April 18-20, 2005, Sao Paolo, Brazil.

J. Phillips

S. Platts
Oral talk “Effects of Spaceflight on the Cardiovascular System” in the NASA Human Effects of Spaceflight Symposium, National Association of Science Teachers Annual Meeting, April 1, 2005, Dallas, Texas.
Seminar “(Mal) Adaptation of the Cardiovascular System During Spaceflight,” NSBRI Summer Interns, August 8, 2005, Houston, Texas.

A. Ponomarev
Poster AL Ponomarev, H Nikjoo, and FA Cucinotta, “Influence of Chromatin Domains and DNA Loops on Distributions of DNA Fragment Size and Damage Induced by high-
Radiation Biophysics Group Seminar, “Are DNA loops and domains important factors determining the distribution of DNA fragment-sizes induced by high-LET radiation?” October 13, 2005, NASA JSC.
Oral talk “Nuclear Fragmentation and the Number of Particle Tracks in Tissue,” 14th Microdosimetry Symposium, November 17, 2005, Venice, Italy.

L. Ren
Space Radiation Health group seminar, “Non-Homologous DNA End Joining,” December 9, 2005, NASA JSC.

J. Sibonga
Invited lecture “What Happens to Bone Health During and After Spaceflight?,” Bone Loss During Spaceflight Symposium, June 23, 2005, Cleveland, Ohio.
DSLS Brown Bag Seminar, “Assessment of Skeletal Integrity: Limitation of BMD by DXA,” August 18, 2005, CASS.

S. Steinberg
Oral talk “Challenges to predicting water transport in plant growth media under under microgravity” ALS Technical Interchange Meeting, September 8, 2005, NASA JSC.
Oral talk “Challenges to predicting water transport in plant growth media under microgravity” to USRA DSLS Science Council, October 4, 2005, CASS.

**A. Sundaresan**

**H.-G. Sung**

**D. Tucker**

**L. Warren**
Oral talk “BFSB Postdoctoral Research Project Update” to USRA DSLS Science Council, October 4, 2005, CASS.

**R. White**
S. Wood

D. Zhou