2006 Abstracts and Presentations

ABSTRACTS

SJ, “Tactile sensory supplementation of gravitoinertial references to optimize
sensorimotor recovery,” NSBRI Investigator Retreat, February 27, 2006, League City,
Texas.

Abstract, Black FO, Stallings V, and Wood SJ. Influence of tactile sensory
supplementation on controlling upright stance during postural perturbations. Seventh
Symposium on the Role of the Vestibular Organs in Space Exploration; Noordwijk, The
Netherlands; June 7, 2006. (Oral talk presented by Black).

Abstract, Bloomberg JJ, Mulavara AP, Peters BT, Cohen HS, Richards JT, Miller CA,
Brady R, Warren LE, Ruttley TM, and Kozlovskaia IB. Development of a
Countermeasure to Mitigate Postflight Locomotor Dysfunction. Seventh Symposium on
the Role of the Vestibular Organs in Space Exploration; Noordwijk, The Netherlands;
June 7-9, 2006. (Poster).

Abstract, Boyd J, “Pharmacotherapeutics of Intranasal Scopolamine,” NSBRI
Investigators’ Workshop, February 27-March 1, 2006, League City, Texas. (Poster).

of scopolamine dosage forms and interaction with dextroamphetamine. Annual Meeting
and Exposition, American Association of Pharmaceutical Scientists, October 30, 2006,
San Antonio, Texas. (Poster presented by Boyd).

Abstract, Cohen HS, Kimball KT, Bloomberg JJ, and Mulavara AP. Usefulness of
current standardized balance tests for determining if balance-impaired individuals differ
from normals. Seventh Symposium on the Role of the Vestibular Organs in Space
Exploration; Noordwijk, The Netherlands; June 7-9, 2006. (Poster).

Abstract, Costes SV, Ponomarev AL, Cucinotta FA, Barcellos-Hoff MH. Spatial
Distribution Kinetics of Radiation-Induced Foci in Chromatin. 4th International
Workshop on Space Radiation Research and 17th Annual NASA Space Radiation
Investigators’ Workshop, Moscow and St. Petersburg, June 2006. (Oral talk presented by
Barcellos-Hoff).

Abstract, Costes S, Ponomarev A, Cucinotta FA, and Barcellos-Hoff MH. Are radiation-
induced DNA damages processed differently in DNA-dense regions of the nucleus: an
imaging approach? 53rd Annual Meeting of the Radiation Research Society, November 5,

Abstract, Cucinotta FA, Atwell W, Kim MY, George KA, Ponomarev AL, Nikjoo H,
and Wilson JW. Predictions of Leukemia Risks to Astronauts from Solar Particle Events.


Abstract, Hada M, Rusek A, Cucinotta FA, and Wu H. Induction of micronuclei in human fibroblasts across the Bragg curve of energetic heavy ions. 53rd Annual Meeting


Abstract, **Hada M** and Sutherland BM. Spectrum of complex DNA damages depends on the incident radiation. *36th COSPAR Scientific Assembly*, July 17, 2006, Beijing, China. (Oral talk).


Abstract, Ponomarev AL, Belli M, Hahnfeldt P, Hlatky L, Sachs R, Cucinotta, FA. Background Subtraction Technique for PFGE experiments. 4th International Workshop


Seventh Symposium on the Role of the Vestibular Organs in Space Exploration; Noordwijk, The Netherlands; June 7-9, 2006. (Poster).


INVITED TALKS


Forth K, invited talk, “Sensory contributions to postural control,” Neuroscience Lab Retreat, February 2, 2006, CASS.


Meador J, invited talk, “DNA damage in marine microorganisms: Field studies conducted in Antarctica and along a latitudinal transect,” February 2006.


Nikjoo H, invited talk, “Microdosimetric Approaches to Detection, Measurements, and Modeling,” April 6, 2006, CASS.

Nikjoo H, invited lecturer, “Track structure and biophysical modelling,” A Course in Radiobiology and Radiobiological Modelling in Radiotherapy, May 9-12, 2006, Clatterbridge Centre for Oncology, University of Liverpool, UK.


Nikjoo H, invited faculty seminar and workshop for students, “Tracks in Radiation Physics, Chemistry, and Biology,” Physics Department, Prairie View A&M University, November 16, 2006, Prairie View, Texas.

Platts S, invited talk, “Cardiovascular Effects of Spaceflight,” Residents (Army, Navy, and Air Force) in Aerospace Medicine, March 2, 2006, NASA JSC.


Platts S, invited presentation, “Effects of bed rest on vascular function,” Exercise and Decompression Workshop, June 26, 2006, CASS.

Ponomarev A, HACO work-in-progress talk, “Chromatin loops are responsible for higher counts of small DNA fragments induced by high-LET radiation, while chromosomal domains do not affect the fragment sizes,” February 17, 2006, NASA JSC.


Sibonga J, invited talk, “Pilot study for the evaluation of ISS Flight Exercise Prescriptions in a bed rest/flight analog of space flight-induced physiological deconditioning,” HACO CCB Review, April 19, 2006, NASA JSC.


Warren L, invited talk “Lessons Learned” from My Postdoctoral Research Program Experience,” Neuroscience Motion Laboratory Meeting, May 24, 2006, NASA JSC.


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