The Space Medicine Branch will be sponsor three panels at this year’s scientific meeting in Atlanta, all on Tuesday, May 7th. They should be excellent presentations on recent space medicine activities and research.

Tuesday, 8:30 a.m. 
Ballroom D
The Shuttle-Mir Science Program: A Step Toward International Space Station
Chairperson - Dr. Michael Barratt
Flight Surgeon, Medical Operations Branch
NASA-Johnson Space Center, Houston, TX

This panel will review the development and recent activities of the collaborative efforts of the U.S. and Russian Space Agencies in support of joint U.S.-Russian missions and their role as a vital step toward the International Space Station.

Presentation
"Development of a Joint U.S. Russian Science Program"  Speakers
Whitson/McBrine/Muller

"The Shuttle-Mir Science Program: Training and Baseline Data Collection"  Speakers
McBrine/Muller/Whitson

"The Shuttle-Mir Science Program: Mission Support Activities for the Mir-18 Crew"  Speakers
Barratt/Ward

"Preflight Medical Support Activities for the Mir-18 Mission"  Speakers
McBrine/Muller/Whitson

"Inflight Medical Support Activities for the Mir-18 Mission"  Speakers
Barratt/Ward

"Psychological Aspects of the Mir-18 Joint U.S./Russian Mission"  Speakers
Marsh/Holland

Tuesday, 10:30 a.m. 
Ballroom D
Advances in Operational Space Medicine
Chairperson - Dr. Roger Billica
Chief, Medical Operations Branch
NASA-Johnson Space Center, Houston, TX

This panel will present recent advances in several fields of space medicine that are dedicated to the assurance of the health and safety of spaceflight crews.

Presentation
"Update to Space Flight Health Risk Assessment"  Speakers
Billica

"Progress in NASA Telemedicine"  Simmons/Billica

"Space Motion Sickness: Current Solutions and Research Trends"  Marshbum/Kaufman/Perchio

"The Effects of Betaxolol Ophthalmic Solution on Intraocular Pressures During Microgravity"  Pattinson/Gibson/Manuel/March

"Medical Support Plans Overview for the International Space Station"  Chandler/Barratt

"Validation of a Parabolic Flight Microgravity CPR Animal Model"  Johnston/Campbell/Billica/Ward/Norfleet/Eichstadt/Robinson/Jennings/Kucharz/Rouse/Simmons/Lloyd/Beck/Barratt/Doursout

Tuesday 2:00 pm
Lower Body Negative Pressure Countermeasure or Counterfeit for Spaceflight
Chairperson - Dr. G. Wyckliffe Hoffler
Deputy Director, Biomedical Operations Office
NASA-Kennedy Space Center, FL

This panel will present the current status and opinions on the efficacy of LBNP as a countermeasure for preventing or ameliorating some aspects of the cardiovascular deconditioning associated with human spaceflight.

Presentation
"Current Concepts of Human Cardiovascular Adaptation to Microgravity"  Speakers
Blomqvist

"Lower Body Negative Pressure (LBNP) as a Countermeasure for Long Term Spaceflight"  Speakers
Guell

"LBNP: Pressure Effects"  Speakers
Convertino

"Peripheral Effects of LBNP: Role in Maintaining Orthostatic Function During Bed Rest"  Speakers
Fortney/Hargens

"LBNP: Crew Perspectives"  Speakers
Mukai

"Lower Body Negative Pressure (LBNP) as an End-Of-Mission Countermeasure: Spaceflight Experience"  Speakers
Charles

YOUNG INVESTIGATOR’S AWARD

The Space Medicine Branch Awards Committee is accepting applications for its Young Investigator Award for the 1996 year. The applicant must submit a draft manuscript of their presentation. To be eligible, the work must be original and the author must be presenting at the Aerospace Medical Association Annual Scientific Meeting for the first time. The manuscript must be submitted by March 1, 1996 to:
K. Jeffrey Myers, M.D.
Mail Code: BOC-005
Kennedy Space Center, FL 32899

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