



BONE RESEARCH IN SPACE SYMPOSIUM

Presented by the International Space Life Sciences Working Group (ISLSWG) in association with the International Osteoporosis Foundation

TORONTO, CANADA

June 2, 2006
9:00 am – 12:30 pm

This Symposium is coordinated by the Canadian Space Agency and will highlight the major areas for bone research in space focusing on scientific themes where a link can be made with current medical issues. In addition to a panel of international researchers, Canadian astronaut Dr. Dave Williams will be speaking at this event.

TIME	THEME	SPEAKER
09:00 – 09:10	Introduction and Overview	Ron Zernicke, Chair
09:10 – 09:30	"Bone structure, evolution and disuse"	René Rizzoli
09:30 – 9:50	Muscle and bone in weightlessness	Dieter Felsenberg
09:50 – 10:10	"Bone Health: The Role of Nutrition During Space Flight"	Scott Smith
10:10 – 10:30	"New models for bone investigations in Space"	Laurence Vico
10:30 – 10:50	BREAK	
10:50-11:10	"Can Mechanical Factors Serve to Preserve the Musculoskeletal System of Astronauts?"	Clinton Rubin
11:10 – 11:30	"A unexpected role for the immunoregulatory molecules CD200:CD200R in the control of bone development"	Reginald Gorczynski
11:30 – 11:50	"Exercise countermeasures: Can they prevent bone loss?"	Peter Cavanagh
11:50 – 12:00	Outcomes from ISLSWG Bone Research in Space Workshop held May 31 – June 1, 2006	Designated Workshop speakers
12:00 – 12:30	"Bone loss during space flight, perspective of an astronaut"	David Williams, Astronaut

The International Space Life Sciences Working Group (ISLSWG) was established to enhance worldwide cooperation in space life sciences. Membership includes the CSA – Canadian Space Agency; ESA – European Space Agency; JAXA – Japan Aerospace Exploration Agency; NASA – National Aeronautics and Space Administration; and the European national agencies of Italy (ASI), France (CNES), Germany (DLR) and Ukraine (NSAU).