Life in Space – Programme Agenda

08:45-08:50 - Welcome address: Marco Narici and Rado Pišot

08:50-09:00 - Eulogy to Jörn Rittweger

09:00-09:15 - Brain in Space: How Microgravity Reshapes Neural Control of Movement *(Uros Marusic, Science and Research Centre, Koper, Slovenia)*

09:15-09:30 - Neuromuscular impairment in simulated hypogravity *(Marco Narici, University of Padova, Italy)*

09:30-09:45 - Mononuclear resident cells and skeletal muscle homeostasis in disuse: an overview *(Roberto Bottinelli, University of Pavia, Italy)*

09:45-10:00 - Oxidative metabolism and mitochondrial function in simulated and actual spaceflight *(Bruno Grassi, University of Udine, Italy)*

10:00-10:15 – Hibernation as countermeasure for spaceflight muscle atrophy? *(Bert Blaauw, University of Padova, Italy)*

10:15-10:30 - *Coffee break*

10:30-10:45 - Bone in Space: what are we going to do about it? *(Jonas Böcker, Institute of Aerospace Medicine, German Aerospace Centre, Cologne, Germany)*

10:45-11:00 - A Multimodal Intervention to Prevent Muscle Atrophy, Insulin Resistance and Functional Decline During Experimental Bed Rest in Elderly Individuals *(Gianni Biolo, University of Trieste, Italy)*

11:00-11:15 - Eight gaits from legged locomotion repertoire on Earth to be reliably adopted on the Moon *(Alberto Minetti, University of Milan, Italy)*

11:15-11:30 - Bedrest: A Ground-Based Model for Simulating Microgravity *(Rado Pišot, Science and Research Centre, Koper, Slovenia)*

11:30-11:45 - *Questions and Conclusions*