

DAY 2 May 20 (Tue)

No.	Page	Time	Title / Speaker	
		9:00-11:00	Plenary session 2, JAXA (Frate)	
		Chair:	Daisuke Kamimura	Japan Aerospace Exploration Agency (JAXA)
			Marc-Antoine Custaud	University of Angers
S2-1	p. 26	9:00-	Overview of JAXA Rodent Research using Multiple Artificial-gravity Research System (MARS) in space	
		Speaker:	Dai Shiba	Japan Aerospace Exploration Agency (JAXA)
S2-2	p. 27	9:20-	Decade of Space Mouse: Toward the Utilization of Space Environment for Medical Research	
		Speaker:	Masayuki Yamamoto	Tohoku University
S2-3	p. 29	9:45-	Elucidation of Skeletal Muscle Regulation Mechanisms Using Mouse Space Experiments	
		Speaker:	Satoru Takahashi	University of Tsukuba
S2-4	p. 30	10:10-	Modulation of Gravity Gateway Reflex in Space	
		Speaker:	Haruka Handa, Kaoru Murakami, Shintaro Hojyo, Shimpei I Kubota, Masaaki Murakami	Hokkaido University
S2-5	p. 32	10:35-	Plasma Cell-Free DNA and RNA Analysis in the JAXA Cell-Free Epigenome Study Reveals Both Common and Individualized Responses to the Space Environment	
		Speaker:	Masafumi Muratani	University of Tsukuba
		11:00-11:30	Coffee break (Foyer)	
		11:30-12:30	YIA contest 2 (Frate)	
		Chair:	TBC	
			TBC	
Y2-1	p. 57	11:30-	MICROVASC Study - Assessing Early Vascular Aging: Feasibility of Measuring Arterial Stiffness Via Pulse Wave Velocity During a Parabolic Flight Campaign	
		Speaker:	Karen Barchetti	Université Paris Cité, Paris, France
Y2-2	p. 59	11:45-	Organ-Specific Responses to Microgravity, Lunar Gravity, and Artificial 1 g in Spaceflight: Insights from Murine Bone and Immune Systems	
		Speaker:	Yui Okamura	University of Tsukuba

Y/P2-3	p. 61	12:00-	4D-Flow MRI in Head-Down Tilt to Investigate the Manifold Effects of Impeded Cranial Venous Outflow	
		Speaker:	Mehul Nimpal	Ludwig Maximilians University (LMU) of Munich
Y2-4	p. 63	12:15-	CD36 as a Potential Sex-Specific Drug Target for Knee Osteoarthritis: A Mechanical Unloading and Dual-Omics Study	
		Speaker:	Zhiyao Ma	University of Alberta
		12:30-13:00	Lunch break (Centennial Hall)	
		13:00-14:00	Poster session & Lunch (Centennial Hall)	
		14:00-15:30	Oral session 3, Neurosciences I (Frate)	
		Chair:	Mehul Nimpal	LMU of Munich
			Dimitry Sayenko	Houston Methodist Hospital / Research Institute
O3-1	p. 99	14:00-	Neural correlates of vestibular adaptation in cosmonauts after long duration spaceflight	
		Speaker:	Floris Wuyts	University of Antwerp
O3-2	p. 100	14:15-	Changes in the perception of the gravitational (spatial) vertical and interrelationship between vestibular function and postural control after long term space flight	
		Speaker:	Nikita Shishkin	Institute of Biomedical Problems of the RAS
O/P3-3	p. 102	14:30-	Sensory integration in modified gravity and motion sickness	
		Speaker:	Tess Bonnard	Université de Bordeaux
O3-4	p. 104	14:45-	Effects of Motion Sickness Medication on Bimanual Force Control in Microgravity and Partial Gravity	
		Speaker:	Deanna Kennedy	Texas A&M University
O3-5	p. 106	15:00-	There are rumours: Microgravity makes you smarter	
		Speaker:	Stefan Schneider	German Sport University Cologne
O3-6	p. 108	15:15-	Neuro2Flight -The Interaction of Hypoxia and Weightlessness on Neurocognitive Performance	
		Speaker:	Constance Badali	German Sport University Cologne
		15:30-16:00	Coffee break (Foyer)	
		16:00-17:45	Oral session 4, Neurosciences II, Countermeasures, and Hypergravity (Frate)	

		Chair:	Zhiyao Ma	University of Alberta
			Stefan Schneider	German Sport University Cologne
O4-1	p. 110	16:00-	Cerebrospinal fluid changes induced by a 5-day dry immersion	
		Speaker:	Anne Pavy-Le Traon	University hospital of Toulouse
O4-2	p. 111	16:15-	Acute and chronic phase of adaptation to supportlessness (during two-week Dry Immersion) in the system of spinal reflexes	
		Speaker:	Tatiana Shigueva	Institute of Biomedical Problems of the RAS
O4-3	p. 113	16:30-	The Evaluation of Gravitational Force Sensing on the Prediction of Visual Gravitational Motion	
		Speaker:	Karen Omori	Kyoto University
O4-4	p. 115	16:45-	Artificial gravity combined with cycling exercise limits the effects of microgravity on body composition and basal energy expenditure	
		Speaker:	Chantal Simon (Claire Laurens)	University of Lyon
O4-5	p. 117	17:00-	Artificial gravity and intermittent cycling exercise: a combined strategy to counteract muscle and metabolic deterioration during bedrest?	
		Speaker:	Claire Laurens	University of Toulouse
O4-6	p. 119	17:15-	Erythrocyte membrane composition and antioxidant potential in response to isolation missions in submarines and real space flight.	
		Speaker:	ANGELA MARIA RIZZO	University of Milan
O4-7	p. 121	17:30-	Support stimulation as a countermeasure of the negative sensory-motor effects of spaceflight: historical background and future development potential	
		Speaker:	Maria Bekreneva	Institute of Biomedical Problems of the RAS
		17:45-18:00	Coffee break (Foyer)	
		18:00-20:00	Y-ISGP Events & Career (Centennial Hall)	