

DAY 3 May 21 (Wed)

No.	Page	Time	Title / Speaker	
		9:00-11:00	Plenary session 3, Immunology (Frate)	
		Chair:	Rie Hasebe	National Institute for Physiological Sciences
			Judith-Irina Buchheim	LMU Hospital, LMU of Munich
S3-1	p. 34	9:00-	The Space Pace: Why Holistic Research in Extreme Environments Helps Understanding Immunity	
		Speaker:	Alexander Choukér	LMU Hospital
S3-2	p. 35	9:40-	A Sensory Reflex Circuit Associated with Bilateral Joint Inflammation via ATP Signaling	
		Speaker:	Rie Hasebe	National Institute for Physiological Sciences
S3-3	p. 36	10:20-	Neuroimmune Crosstalk under Fluidic Stress – A translation from Space to Bedside	
		Speaker:	Judith-Irina Buchheim	LMU of Munich
		11:00-11:30	Coffee break (Foyer)	
		11:30-12:30	YIA contest 3 (Frate)	
		Chair:	Marc-Antoine Custaud	Angers University Hospital
			TBC	
Y/P3-1	p. 66	11:30-	Perception Under Pressure: Impact detection performance during 1.5g and 2g flight maneuvers	
		Speaker:	Elena Lopez-Contreras	ISAE-SUPAERO
Y3-2	p. 68	11:45-	Spinning Heart: Extracellular Matrix Remodeling Under Simulated Microgravity. Lessons Learnt from RPM Experiments.	
		Speaker:	Lena Nieke	Otto-von-Guericke-University Magdeburg
Y3-3	p. 70	12:00-	Long-duration spaceflight induces a prolonged trend of post-flight sympathetic activation and vagal withdrawal	
		Speaker:	Paniz Balali	Université Libre de Bruxelles
Y3-4	p. 72	12:15-	Mechanical Suppression of Microgravity-Induced Chondrocyte Hypertrophy in Bioengineered Human Cartilage	
		Speaker:	Madeline Barker	University of Alberta

		12:30-14:00	Lunch break (Centennial Hall)	
		14:00-15:30	Oral session 5, Space Flight Data (Frate)	
		Chair:	Martina Maggioni	Charité-Univesitätsmedizin Berlin
			Yannick Lichterfeld	German Aerospace Center (DLR)
O5-1	p. 123	14:00-	Circadian rhythm changes of core body temperature during long-duration spaceflight (Circadian Rhythms Project)	
		Speaker:	Martina Maggioni	Charité-Univesitätsmedizin Berlin
O5-2	p. 125	14:15-	Female reproductive system under space flight conditions and during readaptation period	
		Speaker:	Irina Ogneva	Institute of Biomedical Problems of the RAS
O5-3	p. 127	14:30-	ASTROREPOMICS – Integrated Transcriptomic Database for Space Reproductive Studies	
		Speaker:	Chun-Fan Lung	National Central University
O5-4	p. 128	14:45-	A Comprehensive Nightguard Countermeasure Protocol to Enhance Dental Health, Prevent TMD, and Improve Astronaut Performance During Long-term Space Missions	
		Speaker:	Dirk Neefs	Università degli Studi di Milano "La Statale"
O5-5	p. 130	15:00-	Oral Microbiota as a Biomarker for Astronaut Health and Performance in Long-DurationSpace Missions Protocol	
		Speaker:	Dirk Neefs	Università degli Studi di Milano "La Statale"
O5-6	p. 132	15:15-	Functional Immune Monitoring and Pre-Mission Screening for long-term Space Missions	
		Speaker:	Judith-Irina Buchheim	LMU Hospital
		15:30-16:00	Coffee break (Foyer)	
		16:00-17:45	Oral session 6, Cardiovascular and Metabolism (Frate)	
		Chair:	Karen Barchetti	Université Paris Cité, Paris, France
			Ryosuke Tsuji	University of Tsukuba
O6-1	p. 134	16:00-	Gut Dysbiosis and Its Association with Cardiovascular and Skeletal Muscle Deconditioning: Insights from a Hindlimb Unloading Model	
		Speaker:	Adel Elmoselhi	University of Sharjah

O6-2	p. 136	16:15-	Comprehensive study of cardiovascular and body fluids responses to dry immersion during the first four hours	
		Speaker:	Kaisy Laffaiteur	Angers University Hospital
O6-3	p. 137	16:30-	Self-Organized Criticality as a Predictor of Cardiovascular Deconditioning	
		Speaker:	Jacques-Olivier Fortrat	University of Angers, Inserm, CNRS
O6-4	p. 139	16:45-	Comparison of the cardiovascular response to progressive LBNP in men and women after 5 days of dry immersion (Vivaldi I and II)	
		Speaker:	Marc-Antoine Custaud	Angers University Hospital
O6-5	p. 140	17:00-	Dietary and Sensory Adaptations to Extreme Isolation and Confinement in Antarctica: A Longitudinal Study at Concordia Research Station	
		Speaker:	Isabelle Mack	University Hospital Tübingen
O6-6	p. 142	17:15-	Body composition, muscle strength, and subjective sensation changes induced by 15-day complete fasting	
		Speaker:	Nastassia Navasiolava	Angers University Hospital
O6-7	p. 144	17:30-	Do Chocolate Snacks Taste Different in a Virtual Spacecraft Analogue? An Exploratory Study Investigating the Effects of Context	
		Speaker:	Julia Low	RMIT University
		19:00-21:30	Gala dinner Y-ISGP award & poster award ceremony (Grand Hotel Sapporo)	