

A4L Mini-conference

Semmelweis Salon

1085 Budapest Üllői út 26.

2026.05.07-08.

Time	Programme	Venue
2026.05.07		
10:00– 11:00	Registration & Welcome snacks and drinks	
11:00– 12:30	Biomarkers of physical activity Chairs: Péter Ferdinandy, Jozef Ukropec	Semmelweis Salon
11:00– 11:15	Péter Ferdinandy : Opening speech	Semmelweis Salon
11:15– 11:35	Jozef Ukropec - <i>Head of the Department of Metabolic Disease Research, Biomedical Research Center Slovak Academy of Sciences</i> Metabolic adaptation to exercise as a modulating factor of a response to the complex lifestyle intervention in adults living with obesity	Semmelweis Salon
11:35– 11:50	Valentina Ginevičienė - <i>Senior Researcher, Associate Professor, Vilnius University</i> Integrative Exercise Genomics and Molecular Biomarkers in Sport Medicine	Semmelweis Salon
11:50– 12:00	Zoltán Köhler - <i>Assistant professor, Department of Pharmacology and Pharmacotherapy Semmelweis University, Faculty of Medicine</i>	Semmelweis Salon



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	GLP-1 receptor agonists effects on muscle structure and function	
12:00-12:10	Matija Dvorski - <i>Teaching and Research Assistant, School of Medicine, University of Zagreb</i> From Field to Finish Line: Blood Biomarkers as Complementary Predictors of Running Performance	Semmelweis Salon
12:10-12:20	Viktoria Barna - <i>PhD Student, Centre for Translational Medicine, Semmelweis University</i> Effect of systematic training on vitamin levels in healthy population: a systematic review and meta-analysis	Semmelweis Salon
12:20-12:30	Q&A	Semmelweis Salon
12:30-13:30	Lunch break	Semmelweis Salon
13:30-15:00	Big data and innovation in medical research Chairs: Renáta Papp, Zoltán Lantos	
13:30-13:50	Balázs Györfy - <i>Professor, Head of Department Semmelweis University Department of Bioinformatics</i> New avenues for medical data analysis	Semmelweis Salon
13:50-14:10	Zsolt Bagyura - <i>Head of Institute Institute for Clinical Data Management, Semmelweis University</i> New opportunities for clinical data utilisation	Semmelweis Salon
14:10-14:30	Elina Aleksejeva-Zagura - <i>Innovation Scout, University of Tartu</i> Cultivating Deep Tech-Driven Enterprises in Estonia: Orchard with Few Harvesters	Semmelweis Salon
14:30-14:40	Gyula Bohus	Semmelweis Salon



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	AI in Clinical Sport Sciences and Fitness Prediction	
14:40-14:50	Attila Schulc Integrating biomechanics and physiology to detect injury risk using avatars	Semmelweis Salon
14:50-15:00	Octavian Andronic - <i>Lecturer, Coordinator - Center of Innovation and eHealth, Carol Davila University of Medicine and Pharmacy</i> Health Industry Innovation Ecosystem	Semmelweis Salon
15:00-15:30	Coffee break	
15:30-17:00	Future challenges in pharmacology Chairs: Denisa Ioana Udeanu, Gellért Karvaly	Semmelweis Salon
15:30-15:45	Denisa Ioana Udeanu - <i>Professor, University of Medicine and Pharmacy Carol Davila</i> Impact of Antibiotic Prescribing Control Measures within an Antibiotic Stewardship Program: Pharmacological Perspectives and the Role of the Medical Team in a Multidisciplinary Hospital	Semmelweis Salon
15:45-16:00	Gellért Karvaly - <i>Head of Laboratory, Department of Laboratory Medicine</i> Implementation of precision antibiotic therapy based on pharmacokinetic modeling	Semmelweis Salon
16:00-16:15	Andreea Arsene - <i>Professor, University of Medicine and Pharmacy Carol Davila</i> Evaluation of synergistic effects of fluconazole and ciannamon oil on nosocomial strains of Candida auris using the Galleria mellonella model	Semmelweis Salon



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16:15- 16:30	Amir Makolli - <i>Research Methodology Expert, Centre for Translational Medicine</i> Spaceflight and microgravity models potentially change pharmacokinetics and pharmacodynamics: a systematic review and meta-analysis	Semmelweis Salon
16:30- 16:45	Sofija Iveković - <i>Current Evidence and Health Implications of Disinfection By-Products in Chlorinated Swimming Pools</i>	Semmelweis Salon
16:45- 17:00	Zuzsanna Páztorné Benyó Bisphosphonates mitigate bone loss during spaceflight and bed rest: A systematic review and meta-analysis	Semmelweis Salon



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9:00	Focus group	Small Salon
9:00-10:30	<p>Current trends in cardiometabolic molecular research</p> <p>Chairs: Árpád Kovács, Dovile Karčiauskaite</p>	Semmelweis Salon
9:00-10:30	<p><i>Dovile Karčiauskaite - Professor, Vilnius University</i></p> <p>Biomarkers Reflecting High-Density Lipoprotein Composition and Functional Properties</p>	Semmelweis Salon
9:15-9:30	<p><i>Árpád Kovács - Specialist physician, Department of Pathology and Experimental Cancer Research</i></p> <p>Role of T cells involvement in hypertrophic cardiomyopathy phenocopy of Fabry patients revealed by spatial and single cell transcriptomics</p>	Semmelweis Salon
9:30-9:45	<p><i>Reinis Vilskersts - Leading Researcher, Latvian Institute of Organic Synthesis</i></p> <p>Targeting Acylcarnitine Levels in Heart Failure Therapy</p>	Semmelweis Salon
9:45-10:00	<p><i>Anja Srpcic - PhD candidate, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia and Department of Rheumatology, University Medical Centre Ljubljana</i></p> <p>Metabolic and signalling activity in IL6-silenced human myoblasts</p>	Semmelweis Salon
10:00-10:15	<p><i>Blaž Kociper - PhD student, Faculty of Medicine, University of Ljubljana</i></p> <p>One name fits all: dual use of PDK1 abbreviation in scientific literature</p>	Semmelweis Salon
10:15-10:30	Q&A	Semmelweis Salon



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10:30- 11:00	Coffee break	Semmelweis Salon
11:00- 12:30	Advances in Pain Management Research Chairs: Al-Khrasani Mahmoud	
11:00- 11:15	Al-Khrasani Mahmoud -Associate Professor, Department of Pharmacology and Pharmacotherapy Semmelweis University, Faculty of Medicine Opioid pain killing concept	Semmelweis Salon
11:15- 11:30	Justyna Piekielna-Ciesielska -Associate Professor, Medical University of Lodz, Department of Biomolecular Chemistry Development of novel opioid peptides with potent analgesic activity and reduced side effects	Semmelweis Salon
11:30- 11:45	Michael Schäfer - Professor, Charité Medical University Berlin From Receptors to Relief: A Human DRG Perspective on opioid analgesia	Semmelweis Salon
11:45- 12:00	Shaaban A Mousa - Charité Medical University Berlin Peripheral antinociceptive effects of opioids for painful diabetic neuropathy	Semmelweis Salon
12:00- 12:15	Galambos Anna Rita - PhD student, Department of Pharmacology and Pharmacotherapy Glycine transporter 1 Inhibitors Delay Opioid Analgesic Tolerance: Mechanistic Insights from Glycine-Regulated NMDA Receptor Signaling	Semmelweis Salon
12:15- 12:30	Q&A	Semmelweis Salon

