



**LIETUVOS KAMIENINIŲ LAŠTELIŲ TYRĖJŲ ASOCIACIJA
LITHUANIAN ASSOCIATION OF STEM CELLS RESEARCHERS**

**X International Conference
24-25 October 2024**

**DOMUS MARIA HOTEL
Aušros Vartų g. 12, Vilnius**

PRELIMINARY PROGRAMME

Thursday, 24 October

9:00 Registration

9:30 Dr. A. Pivoriūnas (State Research Institute Centre for Innovative Medicine Vilnius, Lithuania): „Lithuanian association of stem cell researchers. Annual report“.

Scientific presentations

10:00 Prof. Dr. Alexei Verkhratsky (Manchester University, UK): „The periaxonal pathway connects the CNS with the peripheral organs“.

10:40 Prof. Dr. Urtė Neniškytė (Life Sciences Center, Vilnius, Lithuania): „Transcriptomic profiling of synapses in developing brain“.

11:20 Prof. Dr. Zaal Kokaia, (Lund University, Stem Cell Center, Sweden): „Cell replacement therapy for stroke - will reprogrammed cells work? “.

12:00 Lunch.

13:00 Dr. Augustas Pivoriūnas (State Research Institute Centre for Innovative Medicine, Vilnius, Lithuania): „Scaling up production of extracellular vesicles – next step towards clinical therapies against Parkinson ‘s disease“.

13:40 Dr. André Görgens (Karolinska Institute, Department of Laboratory Medicine, Sweden): „Bioengineering of extracellular vesicles: progress towards targeted therapy and biomarker discovery“.

14:20 Prof. Dr. Dmitry Lim, (University of Eastern Piedmont, Novara, Italy): „Urine-derived stem cells as a model for Ataxia Telangiectasia“.

15:00 Coffee break

15:30 Dr. Mindaugas Stoškus. (Vilnius University Hospital Santaros Klinikos): „Place-of-Care manufacturing of CD19 CAR-T cells for clinical use“.

16:10 Dr. Carlo Alberto Paggi (University of Twente, Organ-on-Chip Centre, The Netherlands): „ From iPSCs to chondrocytes. The role of biomechanical stimulation in cell specialization in a organ-on-chip model“.

16:50 Prof. Dr. Paul Bourguine (Lund University, Stem Cell Center, Sweden): „Engineering human mini-bones for the advanced in vivo modeling of leukemia“.

Friday, 25 October

9:30 Registration. Coffee.

Scientific presentations

10:00 Prof. Dr. Emma Hammarlund (Lund University, Stem Cell Center, Sweden): „Animals solved hypoxia-dependent stemness for life in the oxic environment – but how?“.

10:40 Prof. Dr. Claudine Kieda (Military Institute of Medicine, Laboratory of Molecular Oncology and Innovative Therapies, Warsaw, Poland): „Hypoxia-dependent diseases: site-specific angiogenesis and immune checkpoints activity are modulated by tumor suppressors crosstalk“.

11:20 Prof. Dr. Eiva Bernotienė (State Research Institute Centre for Innovative Medicine, Vilnius, Lithuania): „Regenerative technologies for human joint cartilage“.

12:00 Lunch.

13:00 Dr. Sylvia de Bruin (Global Distribution in EMEA, Molecular Devices): „The future of cell culture: Transforming the complexities of 3D cell culture into reliable and translatable science“.

13:30 Prof. Dr. Tommaso Serchi (Institute of Science and Technology, Luxembourg): „To breath or not to breath: State of the art of in vitro inhalation hazard assessment“.

14:10 Prof. Dr. Sabina Jančiauskienė (Hannover Medical School): „Disturbances in regeneration processes due to deficiencies of acute phase proteins like alpha1-antitrypsin“.

14:50 Prof. Dr. Michael Monaghan. (Trinity College Dublin, the University of Dublin): „The impact of electrical stimulation and macrophages on iPSC-derived engineered heart tissues“.

15:30 Conference closing.



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