

FEBRUARY 28, WEDNESDAY

08:00 - 09:00 *Registration and coffee*

09:00 - 09:30 *Opening Ceremony*

Jurgita Petrauskienė, Minister of Education of Lithuania

Juozas Lazutka, Ambassador of The COINS 2018

Egidijus Kinderis, Ambassador of The COINS 2018

Danny Porath, International Ambassador of The COINS 2018

Justina Mioldažytė, Coordinator of The COINS 2018

PANEL DISCUSSION

09:30 - 11:00 "Human modifications: where is the limit?"

Moderator: **Gintautas Degutis**, journalist, technology desk editor at UAB Verslo žinios

Participants:

Prof. Dr. Virginijus Šikšnys – chief scientist and head of Department of protein – DNA interactions

Prof. Dr. (HP) Osvaldas Rukšėnas – head of Department of neurobiology and biophysics

Dr. Jevgenija Vienažindytė – professor of bioethical law at Vilnius university

Gintaras Jonaitis – head of bio-engineering lab at Vilnius Gediminas technical university

11:00 - 11:30 *Coffee break*

SESSION 1 – MOLECULAR BIOLOGY

11:30 - 12:15 **Keynote speaker presentation**

Paula Duque

"A Role for Alternative Splicing in Plant Tolerance to Environmental Stress"

Portugal

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- 12:15 - 12:30 **Student presentation**
Luca Levay
"Role of Small GTPases in Autophagy. The Rab3GAP-Rab18 Module"
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- 12:30 - 12:45 **Student presentation**
Daina Pamedytytė
"Overcoming Haemolysis in the Analysis of Circulating miRNA Expression"
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- 12:45 - 13:00 **Student presentation**
Kenéz Lili Anna
"An Unexpected Connection Between Two Related Tethering Complexes"
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- 13:00 - 13:45 **Keynote speaker presentation**
Donal O'Carrol
"RNA Modification and the Immortal Lineage"
United Kingdom
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- 13:45 - 14:45 *Lunch break*
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- 14:45 - 15:30 **Keynote speaker presentation**
Giedrė Valiulienė
"Epigenetic Regulation and Leukemia - Research of Novel Biologic, Molecular and Therapeutic Aspects"
Lithuania
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- 15:30 - 15:45 **Student presentation**
Ilona Užielienė
"Application of Menstrual Blood-derived Mesenchymal Stem Cells for Cartilage Regeneration"
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- 15:45 - 16:00 **Student presentation**
Réka Somogyi
"Investigating the Role of a Little-known Protein in the Regulation of Lysosomes"
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- 16:00 - 16:15 **Student presentation**
Martyna Lukoševičiūtė
"From Pioneer to Repressor: Bimodal foxd3 Activity Dynamically Remodels Neural Crest Regulatory Landscape in vivo"
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16:15 - 17:00 **Keynote speaker presentation**
Danny Porath
„Towards Molecular Conductors: Advances in Charge Transport Through Individual DNA and DNA-based Molecules”
Israel

20:00 *Welcome Reception at “Picnic Bistro”*

MARCH 1, THURSDAY

08:00 - 09:00 *Registration*

SESSION 2 – VIROLOGY

09:00 - 09:50 **Keynote speaker presentation**
Harald zur Hausen
“The Search for Infectious Agents Linked to Human Cancers”
Germany

09:50 - 10:30 **Keynote speaker presentation**
Ethel-Michele de Villiers zur Hausen
“Characterization of Small Bovine Circular Single-Stranded DNAs which are Infectious for Human Cells”
Germany

10:30 - 11:00 *Coffee break*

SESSION 3 – NEUROSCIENCES

11:00 - 11:45 **Keynote speaker presentation**
Urtė Neniškytė
“Synapse Elimination: the Mechanisms of Glial-Cell-Dependent Synaptic Pruning”
Lithuania

11:40 - 12:15 **Dr. Birutė Railienė** – Wroblewski Library of the Lithuanian Academy of Sciences
“Standing on the shoulders of giants: A founder of biochemistry - Jędrzej Sniadecki (1768–1838), Professor of Vilnius University”

12:15 - 12:30 **Student presentation**
Artūras Bružas
"The Role of Phosphatidylserine in Synapse-microglia Interaction"

12:30 - 12:45 **Student presentation**
Kristina Jevdokimenko
"MFG-E8 and Active Caspase-3 in Synaptic Pruning by Microglia"

12:45 - 14:30 *Coffee break*

COMPANY FAIR

13:30 - 14:30 *Lunch break*

14:30 - 15:15 **Keynote speaker presentation**
Ludmilla Morozova – Roche
"Role of Pro-Inflammatory S100 Proteins in Amyloid-Inflammatory Cascade in Neurodegenerative Amyloid Diseases"
Sweden

15:15 - 15:30 **Student presentation**
Péter Benkő
"The Role of Rab39 in Lysosome Biogenesis"

15:30 - 15:45 **Student presentation**
Miglė Kalvaitytė
"The Impact of Scaffold Microstructure on Dental Pulp Stem Cells Osteogenic Differentiation"

15:45 - 16:00 **Student presentation**
Győző Szenci
"Ykt6 Acts as a Non-canonical SNARE in Autophagosome-lysosome Fusion"

16:00 - 16:45 **Keynote speaker presentation**
Svenja Caspers
"Decoding the Organization of the Human Brain Across the Scales"
Germany

MARCH 2, FRIDAY

08:30 - 09:30 *Registration*

SESSION 4 – BIOCHEMISTRY

09:30 - 10:15 **Keynote speaker presentation**
Juozas Nainys
„Full-Stack Single-Cell Transcriptomics Provides a Deeper Understanding of Cancer Metastasis“
Lithuania

10:15 - 11:15 **Keynote speaker presentation**
Erwin Neher
“Ion Channels: Their Discovery, their Function and their Role in Medicine and Pharmacology“
Germany

11:15 - 11:30 **Student presentation**
Gražvydas Lukinavičius
“Biocompatible Probes for Imaging of Cellular Structures“

11:30 - 11:45 **Student presentation**
Giulio Preta
“Studying Lipid Rafts: Six Degrees of Inner Turbulence“

11:45 - 13:30 *Coffee break*

POSTER SESSION

12:30 - 13:30 *Lunch break*

13:30 - 14:15 **Vilnius-Lithuania, Grand prize winner of the iGEM competition**
“SynOri: a framework for multi-plasmid systems“

14:15 - 14:30 **Student presentation**
Diana Iksalaitė
“In vitro Repair of 5-alkylcytosines“

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- 14:30 - 14:45 ***Student presentation***
Gediminas Skvarnavičius
"Investigating Ligand Binding Induced Changes In Protein Volume Using High Pressure Spectrofluorimetry"
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- 14:45 - 15:30 ***Keynote speaker presentation***
Ramunas Martin Vabulas
"How Mammalian Cells Sense Proteostasis Stress"
Germany
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- 15:30 - 16:00 *Awards and Certificates*
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- 20:00 *Closing Event at "Picnic Bistro"*
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