

## 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

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

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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”*

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## MARCH 1, THURSDAY

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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

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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

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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

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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”*

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

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

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12:45 - 14:30 *Coffee break*

**COMPANY FAIR**

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13:30 - 14:30 *Lunch break*

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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

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

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

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

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

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## 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”*

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