4th Annual Conference of the Department of Cell Biology

Faculty of Science, Charles University

Date: 18 June 2026 | **Venue:** Kampus Hybernská – Circular Hub, Prague

PROGRAMME

08:50 – 09:00	**Opening Remarks** **Jan Brábek** (Head of the Department of Cell Biology)
09:00 – 09:45	KEYNOTE LECTURE **Mitochondria on the move: Horizontal mitochondrial transfer as a new hallmark of cancer** **Jiří Neužil** *Institute of Biotechnology, Czech Academy of Sciences*
09:45 – 10:05	**Probing Machine Learning Approaches for Phosphorylation Site Prediction** Marian Novotný & Samuel Fanči
10:05 – 10:25	**Genetic Code as a Source of Evolutionary Biases** Hana Rozhoňová
10:25 – 10:45	**Origin and Function of Thymic Perivascular Dendritic Cells** Matouš Vobořil & Martina Körtingová
10:45 – 11:15	**Coffee Break**
11:15 – 11:35	**The Concept of Migrastatics: Searching for Compounds Targeting the Actin Cytoskeleton** Daniel Rösel & Tereza Volfová
11:35 – 11:55	**Identity Crisis in Immune Development: Potential Role of Milk Cell Acquisition by the Newborn** Jan Černý & Nikola Malínská
11:55 – 12:15	**A Molecular Bridge Between Chromatin Remodeling and RNA Export** Václav Veverka & Lisa Maria Weinhold
12:15 – 13:15	**Lunch**
13:15 – 13:35	**Learning Structural Diversity in Random Sequence Space** Klára Hlouchová & Filip Buchel
13:35 – 13:55	**Structural Basis of MICAL1 Activation** Daniel Rozbeský & Karolína Kowalska

13:55 – 14:15	**Development and Diversity of RORγt⁺ eTACs** Jan Dobeš & Jan Věcek
14:15 – 14:35	**Cytoskeletal Crosslinkers: Anillin in Neural Precursors but Not in Neurons** Lenka Libusová & Štěpánka Martišková
14:35 – 14:55	**Testicular Cells and Their Role in Myocardial Regeneration and Infertility** Tereza Tlapáková & Miriam Udvárdyová, Zuzana Elizabeth Losová
14:55 – 15:25	**Coffee Break**
15:25 – 15:45	**Garbage In, Garbage Out: When Mitochondrial Quality Shapes Immune Cell Responses** Magdaléna Krulová & Veronika Somová
15:45 – 16:05	**Understanding the Role of the Notch Ligand Jagged1 in Different Pediatric Cholangiopathies** Jan Mašek & Anna Frontino
16:05 – 17:00	**KEYNOTE LECTURE** **Regulation of growth and metabolism by mTOR** **David Sabatini** *Institute of Organic Chemistry and Biochemistry, Prague*
17:00 – 17:15	**Closing Remarks**
17:15 – Late	**Barbecue – Kampus Hybernská**

VENUE INFORMATION

Kampus Hybernská (Circular Hub) is situated in the heart of Prague. The evening barbecue will be hosted in the central garden pavilion immediately following the closing remarks. All participants are cordially invited to attend.

MAP - scan QR code.