



Lectures day 4.9.2024

(part of Summer School of Single-Cell)

PROGRAM

REGISTRATION: 08:00 – 08:45

WELCOME: 08:45 - 09:00

Milena Králíčková (rector of Charles University)

PART 1 9:00 – 10:30

Chair: Valentina Caputo (London South Bank University) and Lenka Bešše (Masaryk University)

1. **Domenico Mavilio; University of Milan** – Licensing innate immune response in cancer therapies
2. **Agnieszka Ciesielska; 10X Genomics** – New era of single cell transcriptomics
3. **Denis Migliorini; University of Geneva** – Targeting tumor heterogeneity with engineered immune cells

Coffee break (10:30 – 10:50)

PART 2 10:50 - 12:00

Chair: Valentina Caputo (London South Bank University) and Antonia Rotolo (University of Pennsylvania)

4. **Ana Stojanovic; University of Heidelberg** - Microenvironmental control of lymphocyte responses
5. **Diletta Dolfini; University of Milan** – title will be specified
6. **Monika Holubová, Charles University** - Presentation of Consortium for iNKT Research and Therapy (CiRT)

LUNCH BREAK: 12:00 – 13:00

PART 3 13:00 - 14:30

Chair: Pavel Ostašov (Charles University) and Bartosz Wojtaś (Polish Academy of Sciences)

7. **Lenka Bešše; Masaryk University and Kantonsspital St.Gallen** – Bone marrow microenvironment-driven resistance to proteasome inhibition in multiple myeloma
8. **Antonia Rotolo; University of Pennsylvania** – Advancing iNKT therapies through comparative and computational biology
9. **Vadir Lopez-Salmeron; BD Bioscience** - BD Rhapsody™ Single-Cell Analysis System Fast track single-cell research without compromise

Coffee break (14:30 – 15:00)

PART 4 15:00 – 16:15

Chair: Pavel Ostašov (Charles University) and Lucie Houdová (University of West Bohemia)

10. **Bartosz Wojtaś; Nencki Institute of Experimental Biology, Polish Academy of Sciences** – REST transcription factor in glioblastoma: KAISO transcription factor is entering the stage
11. **Michal Kolář; Institute of Molecular Genetics, Czech Academy of Sciences** – Approach for Advancing Transcriptomics: Single Cell and Spatial Solutions
12. **Roman Mouček, University of West Bohemia** – Needs and Possibilities of Data Science for Medicine

LOCATION: FACULTY OF MEDICINE IN PILSEN, CHARLES UNIVERSITY

NOTE: COFFEE AND SNACK WILL BE PROVIDED FOR FREE. LUNCH IS ORGANIZED FOR SUMMER SCHOOL PARTICIPANTS ONLY