

GeneTiCA s.r.o. in collaboration with 10X Genomics invites you to an event

3rd 10X Genomics experience meeting 2024 Milan Hašek Conference Hall

May 14th, 2024 from 8:30 to 16:30

Institute of Molecular Genetics of the Czech Academy of Sciences

...for those new to single cell transcriptomics and spatial transcriptomics technology as well as experienced 10x Genomics technology users

10X Experience meeting 14.5. IMG Prague Program

8:30 • Registration

9:30 • Start of the meeting

Session 1

9:30 - 11:00 • 10X Genomics News

Agnieszka Ciesielska, 10X Genomics

• **Exploring the role of hematopoietic stem cells during infection**

Meritxell Alberich Jorda, Laboratory of Haematooncology, Institute of Molecular Genetics of the Czech Academy of Sciences

• **Deciphering fibroblast heterogeneity in developing mammary gland using scRNA sequencing.**

Zuzana Sumbalová Koledová, Laboratory of Tissue Morphogenesis and Cancer, Institute of Molecular Genetics of the Czech Academy of Sciences

• **Role of ISL1 transcription factor in the development of pancreatic endocrine lineages**

Valeria Fabriciová, Laboratory of Molecular Pathogenetics, Institute of Biotechnology of the Czech Academy of Sciences

11:00 - 11:30 1st coffee break

Session 2

11:30 - 12:50 • **Subpopulations of NG2-expressing cells in healthy and ischemic brain**

Lucie Janečková, Laboratory of Cell and Developmental Biology, Institute of Molecular Genetics of the Czech Academy of Sciences

• **Probing the transcriptome at single-cell and spatial levels**

Lukas Valihrach, Laboratory of Gene Expression, Institute of Biotechnology of the Czech Academy of Sciences

• **Scdrake: a reproducible and scalable pipeline for scRNA-seq data analysis"**

Jan Kubovčiak, Laboratory of Genomics and Bioinformatics, Institute of Molecular Genetics of the Czech Academy of Sciences

• **Genetica Technical Support Insight**

Michaela Tlustá, GeneTiCA s.r.o.

12:30 - 13:30 *Lunch & Quiz submission*

Session 3

- 13:30 - 14:50
- **Identification of drug-resistant mantle cell lymphoma subclones at diagnosis using single-cell transcriptomics**
Dmitrij Kazancev, Institute of Pathological Physiology, 1st Faculty of Medicine, Charles University
 - **Endothelial pyrimidine synthesis deficiency promotes tumor growth**
Hyroššová Petra, Laboratory of Cellular Metabolism, Institute of Biotechnology of the Czech Academy of Sciences
 - **Change of tumor clonal composition during disease course**
Boris Tichý, Core Facility Genomics, CEITEC
 - **Xenium talk**
Agnieszka Ciesielska, 10X Genomics
- 15:20 *10X Genomics Grant program & Quiz winners*
- 15:30 *End of lectures*
- 15:10 - 16:30
- **Have a coffee with your expert.**

Everything you always wanted to know about 10X products (but were afraid to ask).
We are ready to answer your questions and discuss your projects.



The workshop is supported in part by The project National Institute for Cancer Research (Programme EXCELES, ID Project No. LX22NPO5102)—Funded by the European Union—Next Generation EU.