

ASCA MOSCOW WORKSHOP 2023

November 20-22, 2023 | Moscow



WHAT IS THE ASCA?

The ASCA is a global community of professionals who use different methods of single-cell analysis. The ASCA mission is "The increase in educational level and scientific communication in the field of single-cell analysis in order to accelerate investigations of biological objects and to understand mechanisms of disease development".

WHAT IS THE ASCA WORKSHOP?

This is 3-day event where participants listen to talks by key researchers and technology developers in the field of single-cell analysis and have the opportunity to join wet lab practices on sample preparation, single cell RNA library construction, and sequencing.

NOVEMBER 20, 2023 | MONDAY

Medical Institute, RUDN University
Miklukho-Maclay Str. 8, Moscow

- 9:00 – 9:30 Registration
- 9:30 – 10:00 Welcome
Timur Fatkhudinov, Director of Research Institute of Molecular and Cellular Medicine, Medical Institute, RUDN University
- Vyacheslav Kosorukov, Director of Institute of Experimental Diagnostics and Therapy of Tumors, Blokhin National Medical Research Center of Oncology
- Anna Kosyreva, Head of Department of Neuromorphology, Avtsyn Research Institute of Human Morphology, Petrovsky National Research Centre of Surgery
- 10:00 – 10:20 Evgeny Denisov, RUDN University, Tomsk NRCM
Single cell and spatial transcriptomics: opportunities and applications
- 10:20 – 10:30 Susan Wu, RWD Life Science
Premium Tissue Processing Technology: Single cell suspension dissociator and cell separation product in Improving Single Cell Sequencing Workflow Efficiency
- 10:30 – 10:50 Pavel Iamshchikov, Tomsk NRCM, Tomsk State University
Introduction to basic principles of scRNAseq data analysis
- 10:50-11:00 Tatyana Bukanova, SkyGen
Everything for your Single Cell experiment
- 11:00 – 11:20 Konstantin Okonechnikov, German Cancer Research Center
Detection of cancer somatic changes in single cell resolution
- 11:20 – 11.50 Coffee-break, Partner exhibition
- 11:50 – 12:00 Marc Yi, SeekGene
An innovative single cell technology accessing analysis from Mutation, Regulation to Expression
- 12:00 – 12:20 Olga Kozlova, Kazan Federal University
*Transcriptomics of auricle regeneration of *Acomys cahirinus* in the single-cell resolution*
- 12:20 – 12:40 Pyotr Tyurin-Kuzmin, Lomonosov Moscow State University
Using 3' single-cell RNAseq to study the mechanisms of differentiation of postnatal stem cells
- 12:40 – 12:50 Svetlana Bozrova, Sesana
New complex solutions for NGS
- 12:50 – 13:10 Vadim Kumeiko, Far Eastern Federal University
Single-nucleus transcriptomics of glioma stem cells inspires targeted drug screening and the development of personalised therapy
- 13:10 – 14:30 Lunch, Partner exhibition

14:30-19:00
Wet lab practice on sample preparation

Medical Institute, RUDN University,
Miklukho-Maclay Str. 8, Rooms 316 and 318
Practice leader – Marina Patysheva
Participation strictly by onsite registration

NOVEMBER 21, 2023 | TUESDAY

09-00 – 18-00
Wet lab practice on SeekOne single cell RNA library preparation

Faculty of Humanities and Social Sciences, RUDN University, Miklukho-Maclay Str. 10/2, Room 939
Practice leaders – Tatiana Gerashchenko, Anastasia Korobeynikova
Participation strictly by onsite registration

NOVEMBER 22, 2023 | WEDNESDAY

09-00 – 13-00
Wet lab practice on SeekOne single cell RNA library preparation (continuation)

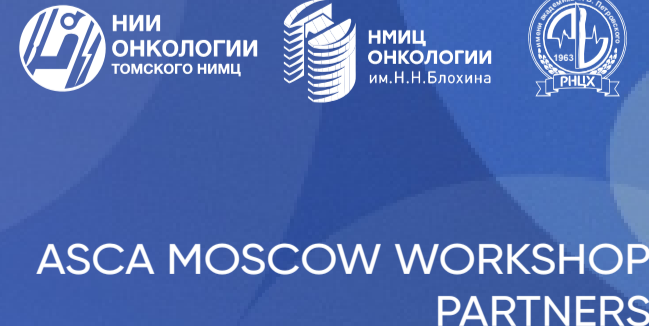
Faculty of Humanities and Social Sciences, RUDN University, Miklukho-Maclay Str. 10/2, Room 939
Practice leaders – Tatiana Gerashchenko, Anastasia Korobeynikova
Participation strictly by onsite registration

14-00 – 18-00
Wet lab practice on Genolab M sequencing

Faculty of Humanities and Social Sciences, RUDN University, Miklukho-Maclay Str. 10/2, Room 940
Practice leaders – Tatiana Gerashchenko, Anastasia Korobeynikova
Participation strictly by onsite registration

19:00- 22:00 Party

ASCA MOSCOW WORKSHOP ORGANIZERS



ASCA MOSCOW WORKSHOP PARTNERS



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