ASCA Congress 2026

14 October 2026 Hall 1, Main Building RUDN University, 6 Miklukho-Maklaya Street

9:00 – 10:00 Registration

10:00 – 10:30 Opening ceremony

10:30 – 11:10 Keynote
Yijun Ruan (Zhejiang University)
Released later

11:10 – 12:10 CANCER BIOLOGY 1
Chair: Konstantin Okonechnikov (German Cancer Research Center DKFZ)

Ming Tan (China Medical University)
Single Cell Analysis Guided Functional Study in Cancer Drug Resistance

Somponnat Sampattavanich (Mahidol University)
From Lineage Identity to Immune Geography: Making Tumor Architecture Actionable

Jian Liu (Zhejiang University)
Investigation of the Development and Treatment of Lung Squamous Cell Carcinoma and Multi-omics Analysis Integration

Selected Participant Abstracts

12:10 – 12:40 Coffee Break

12:40 – 14:10 TRANSLATIONAL BIOLOGY
Chair: Oleg Gusev (Juntendo University)

Ruslan Deviatiiarov (Juntendo University)
Released later

Qingsong Liu (Southwest University)
Released later

Ruslan Rafikov (Indiana University)
Released later

Emil Kriukov (Harvard Medical School)
Eye1k: a comprehensive multiconditional single-cell atlas of mouse retina and optic nerve

Selected Participant Abstracts

14:10 – 15:50 Lunch

15:50 – 17:20 HEMATOLOGY

Chair: Egor Volchkov (Dmitry Rogachev NMRC; RUDN University)

Alexander Yanevski (European University at St. Petersburg)
Personalized therapy prediction for acute leukemias and treatment-resistant tumors

Jamie Matthews (University of Cambridge)
Towards High-Resolution Mapping of Multi-Drug Resistance Evolution in High-Risk Burkitt Lymphoma

Alexander Ikonnikov (RUDN University)
Single-Cell Transcriptomics Reveals Disease-Specific Alterations in Hematopoietic Stem Cell Gene Networks

Selected Participant Abstracts

18:00 – 20:00 Hackathon on Omics Technologies and AI «Hackatomics»

Final project presentations

15 October 2026 Hall 1, Main Building RUDN University, 6 Miklukho-Maklaya Street

8:30 – 9:00 Registration

9:00 – 9:40 Keynote
Julia Medvedeva (Mohamed bin Zayed University of Artificial Intelligence)
Population-specific immune cell heterogeneity in Type 2 Diabetes

9:40 – 11:10 BIOINFORMATICS
Chair: Dmitry Svetlichnyy (Centre for Strategic Planning, Federal Medical Biological Agency)

Saket Choudhary (Koita Centre for Digital Health, IIT Bombay)
Released later

Ivan Ozerov (Insilico Medicine)
Predictive power of omics: can new data make drug target discovery models smarter?

Yong Zhang (BGI Research)
Released later

Anton Buzdin (Sirius University)
Integrated single-cell and bulk transcriptomic and genomic analysis reveals the molecular mechanisms of tumorigenesis and predicts therapeutic strategies for FGF23-producing mesenchymal tumors

Selected Participant Abstracts

11:10 – 11:40 Coffee Break

11:40 – 13:10 NEUROBIOLOGY
Chair: Marat Sabirov (Koltzov Institute of Developmental Biology)

Ekaterina Khrameeva (Skolkovo Institute of Science and Technology)
3D-genome of human neurons: analysis of single-cell Hi-C data

To be announced

Selected Participant Abstracts

13:10 – 14:50 Lunch

14:50 – 16:15 MICROBIOLOGY

Chair: Kirill Sharshov (Federal Research Center of Fundamental and Translational Medicine)

Sahand Hormoz (Harvard University)
Released later

Xiaodong Fang (Southern University of Science and Technology)
Spatiotemporal Interactions between Microbiota and Host, and Development of Health Products

Kirill Elfimov (Vector State Research Center)
Transcriptomic profile of peripheral blood cells during the acute stage of HIV infection caused by Russian HIV-1 strains

Yuanwei Zhang (University of Science and Technology of China)
Interactions between Tumor and Microbes

Selected Participant Abstracts

16:15 – 16:45 Coffee Break

16:45 – 18:15 CANCER BIOLOGY 2

Chair: Konstantin Okonechnikov (German Cancer Research Center DKFZ)

Ruslan Soldatov (Memorial Sloan Kettering Cancer Center)
Released later

Liang Wu (BGI Research)
Dissecting tumor heterogeneity and microenvironment using single-cell and spatial technologies in liver cancer

Selected Participant Abstracts

18:15 – 18:45 Coffee Break

18:45 – 20:15 ORPHAN DISEASES

Chair: Nikolay Skryabin (Research Institute of Medical Genetics, Tomsk NRMC)

Qing Zhou (Zhejiang University)
Single cell data analysis of autoinflammatory diseases

Alexey Golovkin (Almazov National Medical Research Centre)

Single-cell transcriptome analysis to evaluate the efficacy of goflikicept in the treatment of idiopathic recurrent pericarditis

Selected Participant Abstracts

20:45 – 22:15 **Night Moscow guided tour**

16 October 2026 Hall 1, Main Building RUDN University, 6 Miklukho-Maklaya Street

8:30 – 9:00 Registration

9:00 – 9:40 Keynote
Announced later

9:40 – 11:10 IMMUNOLOGY
Chair: Oleg Demidov (Sirius University; Université Bourgogne Europe)

Ekaterina Gubernatorova (Engelhardt Institute of Molecular Biology of the Russian Academy of Sciences)
Single-cell analysis of trained immunity induced by the intestinal microbiota

Liliya Urusova (National Medical Research Center for Endocrinology)
Study of adrenal tumors using single-cell sequencing methods

Daria Bogdanova (Sirius University)
The role of clonal hematopoiesis in the oncogenesis of solid tumors

Andrey Kruglov (German Rheumatism Research Centre Leibniz Institute)
Released later

Selected Participant Abstracts

11:10 – 11:40 Coffee Break

11:40 – 13:10 DEVELOPMENTAL BIOLOGY
Chair: Andrey Panteleyev (Kurchatov Institute)

Peng Du (Peking University)
AI insights into the tumorigenesis of hepatoblastoma

Mikhail Arbatsky (Russian Gerontology Research Center)
Identification of genes associated with aging and age-related diseases using diagonal integration of multi-omics data

Guangdun Peng (Guangzhou Institutes of Biomedicine and Health)
Space × Time × Fate: Toward the Virtual Embryo

Ekaterina Vorotelyak (Koltsov Institute of Developmental Biology RAS)
Released later

Selected Participant Abstracts

13:10 – 14:40 Lunch

14:40 – 15:30 PLANT BIOLOGY

Chair: Ilya Kirov (Russian National Research Institute of Agricultural Biotechnology)

Keke Xia (BGI Research)
Understanding plant cellular society through spatiotemporal and single-cell omics

Cao Deng (DNA Stories Bioinformatics Center)
Stereo-cell Expands the Horizons of Single-Cell Research

Selected Participant Abstracts

15:30 – 16:00 Coffee Break

16:00 – 17:30 REGENERATIVE MEDICINE

Chair: Pyotr Tyurin-Kuzmin (Lomonosov Moscow State University)

Vsevolod Belousov (Federal Center of Brain Research and Neurotechnologies)
Metabolic editing of the cells: from fundamental discoveries to practical implications

Maria Vorontsova (Lomonosov Moscow State University)
Released later

Selected Participant Abstracts

18:00 – 21:30 Conference Closing Ceremony and Party