



Institute of Molecular Biology and Genetics of the National Academy of Sciences of Ukraine

PROGRAM of BioGENext Conference:

Shaping the future of medicine through biomedical research and development

CONFERENCE OPENING

SEPTEMBER 17, 2024

15:00 — **PARTICIPANTS
REGISTRATION**

16:00 — Welcome and important information

16:15 — **KEYNOTE LECTURES:**

Janusz Bujnicki / *International Institute of Molecular and Cell Biology in Warsaw* / Computational modeling of RNA

3D structure and interactions — towards therapeutic applications

Ben Kleinstiver / *Mass General Hospital & Harvard Medical School* / Engineered Genome Editing Technologies Towards Therapeutics

17:45 — **CONFERENCE OPENING
CEREMONY**

18:15 — Welcome drinks / Welcome coffee

1st DAY

SEPTEMBER 18, 2024

09:00 — **WORKSHOP: Grant opportunities in biomedical research** / KAU, AcademCity

10:30 — **RECOMBINANT PROTEINS AND MAB DEVELOPMENT TECHNOLOGIES**

Yves Briers — *Ghent University*, **Roman Sydor** — *Yuria-Pharm*, **Tetiana Brodiazhenko** — *Icosagen Cell Factory*, **Yana Sindarovska** — *Institute of Cell Biology and Genetic Engineering NAS of Ukraine*, **Bozhena Kaminska** — *Nencki Institute of Experimental Biology, Polish Academy*

of Sciences, **Natalia Scherbak** — *Institute of Cell Biology and Genetic Engineering NAS of Ukraine*

13:30 — **Virtual poster session** — Lunch

14:30 — **GENE EDITING TECHNOLOGIES AND APPLICATIONS IN MEDICINE**

Frank Buchholz — *TU Dresden*, **Urtė Neniškytė** — *Vilnius University*, **Oleg Dmytrenko** — *Helmholtz Institute for RNA-based Infection Research*

15:45 — **Flash Talk session**

16:45 — **GENE EDITING
TECHNOLOGIES AND
APPLICATIONS IN MEDICINE**

Ganna Bilousova — *University of Colorado Anschutz Medical Campus*, **Omar O. Abudayyeh**, **Joanthan Gootenberg** — *Harvard Medical School*

2nd DAY

SEPTEMBER 19, 2024

9:00 — **Workshop: CRISPR basics —
Morning coffee**

Natalia Shenderovska — *Yuria-Pharm*

10:30 — **BIOMARKERS AND
MOLECULAR DIAGNOSTICS**

Inessa Skrypikina — *Institute of Molecular Biology and Genetics of NAS of Ukraine*, **Liudmyla Drobot** — *O.V. Palladin Institute of Biochemistry of NASU*, **Anna Dubrovskaya** — *Helmholtz-Zentrum Dresden — Rossendorf, Institute of Radiooncology — OncoRay, Technische Universität Dresden*, **Serhii Dziadevych** — *Institute of Molecular Biology and Genetics of NAS of Ukraine*, **Yaroslav Korpan** — *Institute of Molecular Biology and Genetics of NAS of Ukraine*

13:30 — **Flash Talk session**

14:30 — **Virtual poster session — Lunch**

15:45 — **NUCLEIC-ACID
THERAPEUTICS:
TECHNOLOGIES AND
APPLICATIONS**

Oleksandr Hubar — *Yuria-Pharm*, **Tim Beissert** — *TRON gGmbH*, **Edward Grahame** — *Cytiva*, **Malgorzata Kaczorowska**, **Iryna Tsyhankova** — *BioNTech*

16:45 — **PANEL DISCUSSION: Creating a strategy for the development of the ecosystem for biomedical and biopharmaceutical research in Ukraine: a synergistic approach**

3rd DAY

SEPTEMBER 20, 2024

09:00 — **WORKSHOP: Technology
Transfer — KAU, AcademCity**

10:00 — **OTHER BIOMEDICAL
RESEARCH**

Josef Dulak — *Jagiellonian University Department of Medical Biotechnology, Faculty of Biochemistry, Biophysics and Biotechnology*, **Yurii Rebets** — *Explogen LLC*, **David Adams** — *Wellcome Sanger Institute*, **Olha Karaman** — *National Cancer Institute, Vilnius, Lithuania*, **Nana Voitenko** — *Dobrobut Academy Medical School*, **Daria Miroshnychenko** — *Moffitt Cancer Center*

13:00 — **Flash Talk session**

13:20 — **Virtual poster session — Lunch**

14:15 — **BIOINFORMATICS AND AI IN
BIOMEDICAL RESEARCH**

Oleksandr Kornelyuk — *Institute of Molecular Biology and Genetics of NAS of Ukraine*, **Galyna Volynets** — *Institute of Molecular Biology and Genetics of NAS of Ukraine*

15:30 — **Virtual Flash Talk session**

16:30 — **BIOINFORMATICS AND AI IN
BIOMEDICAL RESEARCH**

Dina Schneidman — *School of Computer Science and Engineering*, **Maryna Korshevniuk** — *Apixmed LLC*, **Maksym Korabliov** — *DreamFold*

17:45 — **CLOSING CEREMONY**