

INTERNATIONAL

BIOMEDICAL FORUM

RESEARCH AND INNOVATION

PROGRAM

2026

KARAGANDA MEDICAL UNIVERSITY NAMED AFTER PETR POSPELOV

MINISTRY OF HEALTH OF THE REPUBLIC OF KAZAKHSTAN
«KARAGANDA MEDICAL UNIVERSITY NAMED AFTER P. POSPELOV» NC JSC
«KSMU ALUMNI ASSOCIATION» PA

II International Biomedical Forum Research and Innovation

PROGRAM

Republic of Kazakhstan
Karaganda, Gogolya st., 40

October 22 – 23, 2026

ORGANIZING COMMITTEE

Chairman	**Dmitry Klyuyev** Vice-Rector for Scientific Work «Karaganda Medical University named after P. Pospelov» NC JSC Candidate of Medical Sciences, Associate Professor
Deputy Chairman	**Irina Kadyrova** Director of the Institute of Life Sciences «Karaganda Medical University named after P. Pospelov» NC JSC PhD, Associate Professor
Deputy Chairman	**Victor Ricklefs** Vice-Rector for Strategy, Digitalization and Internationalization «Karaganda Medical University named after P. Pospelov» NC JSC Candidate of Medical Sciences
Deputy Chairman	**Zhaniya Dauletkaliyeva** Vice-Rector for Academic and Social Work «Karaganda Medical University named after P. Pospelov» NC JSC PhD, Associate Professor

ORGANIZING COMMITTEE MEMBERS

Nadezhda Azarova	Head of the Public Relations Department «Karaganda Medical University named after P. Pospelov» NC JSC
Ainur Kalina	Dean of the School of Dentistry «Karaganda Medical University named after P. Pospelov» NC JSC
Natalya Aleshina	Acting Head of the Science Department «Karaganda Medical University named after P. Pospelov» NC JSC
Dana Gissa	Head of the Department of International Cooperation «Karaganda Medical University named after P. Pospelov» NC JSC
Aliya Bukeyeva	Associate Professor of the Department of Informatics and Biostatistics «Karaganda Medical University named after P. Pospelov» NC JSC
Alyona Lavrinenko	Head of the Scientific Research Laboratory «Karaganda Medical University named after P. Pospelov» NC JSC
Danila Silishchev	Head of the Department of Digital Development and Artificial Intelligence «Karaganda Medical University named after P. Pospelov» NC JSC
Assel Tukenova	Head of the Academic Department «Karaganda Medical University named after P. Pospelov» NC JSC
Yekaterina Serbo	Chief Specialist of the Department of Scientific Work «Karaganda Medical University named after P. Pospelov» NC JSC

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October 20, 2026

PRE-MASTER CLASS

FOUNDING OF A MICROBIOLOGICAL BIOBANK

Date	**October 20, 2026**
Venue	**Karaganda, Gogolya st., 40, room 261**
Time	**10:00 – 11:30**
	Speaker:
	– **Ilya Azizov** Doctor of Medical Sciences, Professor, Head of the Laboratory Complex of the Research Institute of Antimicrobial Chemotherapy, Federal State Budgetary Educational Institution of Higher Education «Smolensk State Medical University» of the Ministry of Health of the Russian Federation (Smolensk, Russian Federation)

The master class will present the experience of founding a robotic biobank based on the laboratory complex of the Research Institute of Antimicrobial Chemotherapy of the Federal State Budgetary Educational Institution of Higher Education «Smolensk State Medical University» of the Ministry of Health of the Russian Federation, the theoretical foundations of biobanking microbial isolates, as well as applied aspects of the functioning of microbial biobanks.

PRE-MASTER CLASS

TECHNOLOGY OF CREATING OF NATURAL COSMETIC SAUMAL-BASED PRODUCT

Date	**October 20, 2026**
Venue	**Karaganda, Gogolya st., 40, room 235**
Time	**11:30 – 13:00**
	Speaker:
	– **Gayane Atazhanova** Doctor of Chemical Sciences, Academician of the National Academy of Sciences of the Republic of Kazakhstan, Research Professor of the School of Pharmacy of «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan)

The master class will be dedicated to the production of a natural emulsion cream using saumal, a valuable natural component rich in proteins, lipids, vitamins and biologically active substances. The participants will get acquainted with the basics of technology for the preparation of emulsion creams and the peculiarities of the introduction of saumal into cosmetic compositions. Each participant will independently develop and prepare their own cream, choosing the composition taking into account the individual type and needs of the skin. In the process, participants will master practical techniques for emulsifying, introducing active ingredients, and evaluating the properties of the finished cream. As a result, everyone will create an individual natural cream with saumal, adapted specifically to their skin type.

PRE-MASTER CLASS

DNA DIAGNOSTICS OF SPINAL MUSCULAR ATROPHY BY DIGITAL PCR USING THE APPLIED BIOSYSTEMS ABSOLUTE Q PLATFORM

Date	**October 20, 2026**
Venue	**Karaganda, Gogolya st., 40, room 249**
Time	**11:30 – 13:00**
Link	**https://qmu.webex.com/qmu/j.php?MTID=mdf0ef505ca04c5621261b6e5155a1015**

Speaker:

- **Anton Borisenko**
  ZALMA Customer Support Expert

The master class will focus on modern approaches to the molecular genetic diagnosis of spinal muscular atrophy (SMA), the severe hereditary neuromuscular disease associated with mutations in the SMN1 gene. Participants will get acquainted with digital PCR (dPCR) technology on the Applied Biosystems Absolute Q platform – the high-precision system that allows for an absolute quantitative assessment of gene copy without the need to build calibration curves.

October 21, 2026

LECTURES

PHARMACEUTICAL DRUG DEVELOPMENT

Date	**October 21, 2026**
Venue	**Karaganda, Gogolya st., 40** **Senate Hall (room 229)**
Time	**15:00 – 17:30**
Link	**https://qmu.webex.com/qmu/j.php?MTID=m7e786a119be6954df2ff0227f7cdc60f**

Speakers:

- **Grégoire Prevost**
  PhD, Professor of Biology, Université d'Évry Paris-Saclay,
  President of CIPREVO (Évry-Courcouronnes, France)
- **Nathalie Mazure**
  PhD, Research Director at CNRS, Mediterranean Center for Molecular Medicine,
  Université Côte d'Azur (Nice, France)
- **Rim Debbiche**
  Postdoctoral Researcher, Institut Cochin, Université Paris Cité
  (Paris, France)
- **Pascal Peraldi**
  PhD, Mediterranean Center for Molecular Medicine, Université Côte d'Azur
  (Nice, France)
- **Virginie Firlej**
  PhD, Researcher, Mondor Institute, Université Paris-Est Créteil (Créteil, France)

Moderator:

- **Irina Kadyrova**
  Director of the Institute of Life Sciences, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan)

LECTURE

CURRENT PROBLEMS OF BIOENGINEERING

Date	**October 21, 2026**
Venue	**Karaganda, Gogolya st., 40, room 362**
Time	**15:00 – 16:30**
Link	**https://qmu.webex.com/qmu/j.php?MTID=mfda994f67ee2f0a0c9706f4eaed61bab**

Speakers:

- **Bo Hu**
  PhD, Professor, School of Life Science and Technology, Xidian University (Xi'an, China)
- **Yang Yang**
  Secretary of the Party Committee**,** School of Life Science and Technology, Xidian University (Xi'an, China)
- **Wang Yubo**
  PhD, Associate Professor, Lecturer, Post-doctoral Research Fellow, School of Life Science and Technology, Xidian University (Xi'an, China)

Moderators:

- **Aliya Bukeyeva**
  Associate Professor of the Department of Informatics and Biostatistics, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan)
- **Ilya Korshukov**
  Assistant Professor of the Department of Informatics and Biostatistics, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan)

SOLEMN CEREMONY DEDICATED TO ASSIGNMENT OF PETR POSPELOV NAME TO «KARAGANDA MEDICAL UNIVERSITY» NC JSC

Date	**October 22, 2026**
Time	**10:00 – 11:00**
Venue	**Karaganda, Gogolya st., 40** **Assembly Hall**

FORESIGHT SESSION ROUND TABLE «BIOMEDICINE AND BIOENGINEERING: INTEGRATION INTO MEDICAL EDUCATION, SCIENCE AND PRACTICAL HEALTHCARE»

Date	**October 22, 2026**
Time	**11:20 – 13:30**
Venue	**Karaganda, Gogolya st., 40** **Rectorate Hall (room 227)**

PLENARY SESSION

Date	**October 22, 2026**
Time	**15:00 – 18:30**
Venue	**Karaganda, Gogolya st., 40** **Senate Hall (room 229)**

CLOSING CEREMONY

Date	**October 23, 2026**
Time	**15:00 – 17:20**
Venue	**Karaganda, Gogolya st., 40** **Assambly Hall**

EXHIBITION OF MEDICAL EQUIPMENT MANUFACTURERS AND PHARMACEUTICAL COMPANIES

Date	**October 22 – 23, 2026**
Time	**09:00 – 17:00**
Venue	**Karaganda, Gogolya st., 40** **Central Hall**

PARTICIPANTS REGISTRATION

Date	**October 22, 2026**
Time	**14:00 – 15:00**
Venue	**Karaganda, Gogolya st., 40** **Senate Hall (room 229)**



https://medecol.qmu.kz/jour

DAY 1
October 22, 2026

SOLEMN CEREMONY DEDICATED TO ASSIGNMENT OF PETR POSPELOV NAME TO «KARAGANDA MEDICAL UNIVERSITY» NC JSC

Date	**October 22, 2026**
Venue	**Karaganda, Gogolya st., 40** **Assembly Hall**
Time	**10:00 – 11:20**
Link	**https://qmu.webex.com/qmu/j.php?MTID=mf1e481711601d1a59457ab9f8d25e55a**

Time	Event
09:30 – 10:00	Meeting of distinguished guests and participants. Demonstration of archival photographs about the history of the university
10:00 – 10:06	Demonstration of the video with the speech of the President of the Republic of Kazakhstan on the assignment of Petr Pospelov name to «Karaganda Medical University» NC JSC. Demonstration of the video «Petr Moiseevich Pospelov: the name in the history of medical education of Kazakhstan»
10:06 – 10:08	The entrance of the presenters to the stage. The official opening of the solemn ceremony.
10:08 – 10:15	Opening of the event. Speech by Bakhyt Kosherova, Chairman of the Board – Rector of «Karaganda Medical University named after P. Pospelov» NC JSC
10:15 – 10:21	Welcom speech by the Minister of Health of the Republic of Kazakhstan Akmaral Alnazarova
10:21 – 10:26	Welcome speech by the Akim of Karaganda region Yermaganbet Bulekpayev
10:26 – 10:31	Speech by a deputy of the National Kurultai (by agreement)
10:31 – 10:36	Speech by Chairman of the Board of Directors of «Karaganda Medical University named after P. Pospelov» NC JSC Kanat Yermekbaev
10:36 – 10:41	Speech by Rector of Kazan State Medical University Airat Farrakhov
10:41 – 10:46	Speech by Professor, the University veteran Telman Seisembekov
10:46 – 10:49	Speech by Professor, the University veteran Serik Tokpanov
10:49 – 10:52	Speech by Healthcare veteran Viktor Zubov
10:52 – 10:55	Speech by Professor, the University veteran Dyusentai Kulov
10:55 – 10:59	The solemn ceremony of assignment of Petr Pospelov name to «Karaganda Medical University» NC JSC. Demonstration of the new title.
10:59 – 11:00	The final speech by the presenters. Completion of the stage part.

FORESIGHT SESSION

ROUND TABLE «BIOMEDICINE AND BIOENGINEERING: INTEGRATION INTO MEDICAL EDUCATION, SCIENCE AND PRACTICAL HEALTHCARE»

Date	**October 22, 2026**
Venue	**Karaganda, Gogolya st., 40** **Rectorate Hall (room 227)**
Time	**11:20 – 13:30**
Link	**https://qmu.webex.com/qmu/j.php?MTID=m08c6f21ce4118f3d1640aa334cfe745e**
Aim	Discussion of approaches to the development of biomedicine and biomedical engineering in medical universities of the Republic of Kazakhstan, integration of biomedicine and biomedical engineering into educational programs, scientific research and practical healthcare, identification of systemic barriers and mechanisms of interdepartmental and international cooperation
Participants	The Ministry of Health of the Republic of Kazakhstan, the Department of Science and Human Resources of the Ministry of Health of the Republic of Kazakhstan, medical, technical and multidisciplinary universities of Kazakhstan, Xidian University, Université d'évry Paris-Saclay, Mindray, scientific organizations and medical institutions

Time	Event
11:20 – 11:25	Opening. Presentation of the participants and objectives.
11:25 – 11:30	**Biomedicine and bioengineering as strategic directions for the development of medical education, science and healthcare** Akmaral Alnazarova Minister of Health of the Republic of Kazakhstan
11:30 – 11:35	**Staffing and regulatory support for the development of biomedicine and biomedical engineering in the Republic of Kazakhstan** Representative person of the Department of Science and Human Resources of the Ministry of Health of the Republic of Kazakhstan (by agreement)
11:35 – 11:40	**Biomedicine and biomedical engineering in the modern model of medical education at the intersection of medicine, natural sciences and engineering sciences** Bakhyt Kosherova Chairman of the Board – Rector of «Karaganda Medical University named after P. Pospelov» NC JSC
11:40 – 11:50	**Biomedical engineering training and integration of engineering technologies into medicine: the experience of Xidian University** Bo Hu PhD, Professor, School of Life Science and Technology, Xidian University
11:50 – 12:00	**Biomedicine, bioinformatics and personalized medicine: European approaches to education and translational research** Representative person of the Université d'évry Paris-Saclay
12:00 – 12:08	***Practice of biobanks organization on the basis of the university*** Marat Shoranov Chairman of the Board – Rector of Asfendiyarov Kazakh National Medical University

12:08 – 12:16	**Experience in implementing of a joint educational program in the field of bioengineering** Altay Dyusupov Chairman of the Board – Rector of «Semey Medical University» NC JSC
12:16 – 12:24	**Engineering education and technological competencies as the basis for the development of biomedical engineering** Saule Sagintayeva Chairman of the Board – Rector of «Abylkas Saginov Karaganda Technical University» NC JSC
12:24 – 12:32	**Double-degree and joint educational programs of Ospanov Medical University: experience and development prospects** Nurgul Alekenova Head of the Department of Academic Work of Ospanov Medical University
12:32 – 12:40	**Prospects and barriers to employment of biomedical bachelors in Kazakhstan: the employer's view** Ye. A. Sidelyova Head of diagnostic laboratory of Regional AIDS Center
12:40 – 12:48	**From engineering to clinical application: the role of technology companies in developing medical innovations and training specialists** Mindray (by agreement)
12:48 – 13:15	**Prospects for the development of biomedicine and biomedical engineering in Kazakhstan, systemic problems and potential solutions** Moderated discussion
13:15 – 13:20	Presentation and discussion of the final resolution draft
13:20 – 13:30	Summing up and completing the work

PLENARY SESSION

Venue	**Karaganda, Gogolya st., 40** **Senate Hall (room 229)**
Time	**15:00 – 18:30**
Link	**https://qmu.webex.com/qmu/j.php?MTID=m93ae6c2e84e708a9af186499b8ad12f3**
	Presidency: – **Bakhyt Kosherova** Chairman of the Board – Rector, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan) – **Airat Farrakhov** Rector of Kazan State Medical University (Kazan, Republic of Tatarstan) – **Dmitry Klyuyev** Vice-Rector for Scientific Work, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan) – **Nathalie Mazure** PhD, Research Director at CNRS, Mediterranean Center for Molecular Medicine, Université Côte d'Azur (Nice, France) – **Grégoire Prevost** PhD, Professor of Biology, Université d'Évry Paris-Saclay, President of CIPREVO (Évry-Courcouronnes, France) – **Bo Hu** PhD, Professor, School of Life Science and Technology, Xidian University (Xi'an, China) – **Pascal Peraldi** PhD, Mediterranean Center for Molecular Medicine, Université Côte d'Azur (Nice, France) – **Sylvain Fisson** PhD, Professor of Immunology, Evry Paris-Saclay University (Évry-Courcouronnes, France)
Speaking time limit	20-25 minutes

№	Plenary reports
1	***Primary Cilium Forces Neuroendocrine Shift in Prostate Cancer through YAP1 Repression and Reduced Mitochondrial Activity*** **Nathalie Mazure** PhD, Research Director at CNRS, Mediterranean Center for Molecular Medicine, Université Côte d'Azur (Nice, France)
2	***New anticancer Drug – drug conjugates*** **Grégoire Prevost** PhD, Professor of Biology, Université d'Évry Paris-Saclay, President of CIPREVO (Évry-Courcouronnes, France)
3	***Single-cell Intelligent Detection Technology*** **Bo Hu** PhD, Professor, School of Life Science and Technology, Xidian University (Xi'an, China)

№	Plenary reports
4	***Quest for inflammation biomarkers after ocular gene therapy - Towards a personalized management*** **Sylvain Fisson** PhD, Professor of Immunology, Evry Paris-Saclay University (Évry-Courcouronnes, France)
5	***Identification of new pharmacological eIF5A inhibitors against prostate cancer using a new enzymatic assay*** **Pascal Peraldi** PhD, Mediterranean Center for Molecular Medicine, Université Côte d'Azur (Nice, France)

DAY 2
October 23, 2026

SECTION

DEVELOPMENT AND IMPLEMENTATION OF NEW PHARMACEUTICAL PRODUCTS

Date	**October 23, 2026**
Venue	**Karaganda, Gogolya st., 40, room 362**
Time	**10:00 – 13:00**
Link	**https://qmu.webex.com/qmu/j.php?MTID=mb29f26f0c2bb3dd0b3386c3d0f9da1bc**
Speaking time limit	**15 minutes**

Moderators:

- **Nathalie Mazure**
  PhD, Research Director at CNRS, Mediterranean Center for Molecular Medicine, Université Côte d'Azur (Nice, France)
- **Irina Kadyrova**
  Director of the Institute of Life Sciences, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan)

№	Reports
1.	***Modeling of tumor diseases on Danio rerio embryos in the early development of anticancer drugs*** **Irina Khan** Candidate of Biological Sciences, Research Institute of Experimental Oncology and Carcinogenesis, N. N. Blokhin National Research Medical Center of Oncology (Moscow, Russian Federation)
2.	***Peptide Therapeutics: From Molecular Design to Translational Applications in Cancer*** **Philippe Karoyan (online)** PhD, Founder & President, K-Pharma, and Professor at Sorbonne Université (Paris, France)
3.	***Resistance of prostate cancer cells after Docetaxel or irradiation and characterization of novel therapeutic treatment*** **Dariga Zhetpisbayeva** 3rd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
4.	***Drug encapsulation technology*** **Yerbolat Tulebayev** PhD, Associate Professor of the Department of Fundamental Medicine, Deputy Director for Scientific Work and Quality Management at Manash Kozybayev North Kazakhstan University (Petropavlovsk, RK)
5.	***Evaluation of the antistaphylococcal activity of a new derivative of 3,4-dihydropyrimidine-2(1H)-thione: preliminary results and methodological limitations*** **Artyom Savelyev** 2nd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)

№	Reports
6.	***Study of Prostate Cancer Cell Resistance Following Docetaxel and Irradiation Treatments: Investigation of a Novel Therapeutic Target*** **Ainur Orynbassar** 2nd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
7.	***Polymeric formulation of Probiotics for as a potential treatment for Antimicrobial Resistance*** **Aisha Dauletkyzy** 1st year doctoral student, Nazarbayev University (Astana, RK)
8.	***Preparation of apheresis product for CAR-T therapy: experience of the scientific and production center for transfusiology*** **Balzhan Turabayeva** Master of Natural Sciences, RSE on REM «Scientific and Production Center of Transfusiology» of the Ministry of Health of the Republic of Kazakhstan (Astana, RK)
9.	***Conservation of Surface Protein Targets for Structure-Guided Drug Development in Clinical Isolates from Kazakhstan*** **Sagyndyk Sagadinov** 1st year doctoral student, Nazarbayev University (Astana, RK)

11:30 – 11:50	**COFFEE BREAK (Canteen)**
13:00 – 15:00	**LUNCH (Canteen)**

SECTION
BIOENGINEERING AND BIOINFORMATICS

Date	**October 23, 2026**
Venue	**Karaganda, Gogolya st., 40, Rectorate Hall (room 227)**
Time	**10:00 – 13:00**
Link	**https://qmu.webex.com/qmu/j.php?MTID=m9e06d342b879b85f5ef1c55dffa91977**
Speaking time limit	**15 minutes**

Moderators:

- **Yang Yang**
  Secretary of the Party Committee, School of Life Science and Technology, Xidian University (Xi'an, China)
- **Bo Hu**
  PhD, Professor, School of Life Science and Technology, Xidian University (Xi'an, China)
- **Dmitry Klyuyev**
  Vice-Rector for Scientific Work, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan)

№	Reports
1.	***High-Quality Photoacoustic Imaging: Methods and Practical System Development*** **Wang Yubo** PhD, Associate Professor, Lecturer, Post-doctoral Research Fellow, School of Life Science and Technology, Xidian University (Xi'an, China)
2.	***The use of machine learning for the prioritization of single nucleotide polymorphisms associated with colorectal cancer*** **Ilya Korshukov, Irina Kadyrova** Assistant Professor of the Department of Informatics and Biostatistics; PhD, Associate Professor, Director of the Institute of Life Sciences «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
3.	***When 3D printing filament becomes bioactive: multifunctional PLA composite for bone regeneration*** **Anastasiya Khrustaleva** 3rd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
4.	***Spectral-luminescent characteristics of saliva in lung cancer diagnosis*** **Gulnara Kelgali, Inkar Aldabergen** 1st year doctoral student, Buketov National Research University (Karaganda, RK)
5.	***Spectroscopic analysis of saliva samples using fluorescence and FTIR spectrometry for cervical cancer detection*** **Arailym Kalkenova, Aibibi Mendibayeva** 1st year doctoral student, 2nd year master's student, Buketov National Research University (Karaganda, RK)

№	Reports
6.	***Results of liver transplantation in primary sclerosing cholangitis: from microbiome factors determining the disease to genetic risks of recurrence*** **Ruslan Mammadov (online)** MD, PhD, Scientific researcher, Docent CGO, Lecturer, Department og Gastroenterolgoy and Hepatology, Erasmus Medical Center (Rotterdam, The Netherlands)
7.	***Current advances in virtual autopsy using integrated visualization technologies*** **Marzhan Myrzakhanova (online)** Candidate of Medical Sciences, Associate Professor of the Department of Surgical Disciplines of Sh. Ualikhanov Kokshetau University (Kokshetau, RK)
8.	***Bacterial biofilms in colorectal cancer initiation and progression*** **Maikel P. Peppelenbosch (online)** Head of Laboratory, Department of Gastroenterology and Hepatology, Erasmus Medical Center (Rotterdam, The Netherlands)

11:30 – 11:50	**COFFEE BREAK (Canteen)**
13:00 – 15:00	**LUNCH (Canteen)**

SECTION
OMICs

Date	**October 23, 2026**
Venue	**Karaganda, Gogolya st., 40, Senate Hall (room 229)**
Time	**10:00 – 13:00**
Link	**https://qmu.webex.com/qmu/j.php?MTID=m9f71faeb706161c1f0d22b8b5ea9c40e**
Speaking time limit	**15 minutes**

Moderators:

- **Grégoire Prevost**
  PhD, Professor of Biology, Université d'Évry Paris-Saclay, President of CIPREVO (Évry-Courcouronnes, France)
- **Ilya Azizov**
  Doctor of Medical Sciences, Professor, Head of the Laboratory Complex of the Research Institute of Antimicrobial Chemotherapy, Federal State Budgetary Educational Institution of Higher Education «Smolensk State Medical University» of the Ministry of Health of Russian Federation (Smolensk, Russian Federation)

№	Reports
1.	***Extracellular vesicles and prostate cancer*** **Virginie Firlej** PhD, Researcher, Mondor Institute, Université Paris-Est Créteil (Créteil, France)
2.	***How to see the invisible: Colistin resistance and Enterobacter taxonomy*** **Ilya Azizov** Doctor of Medical Sciences, Professor, Head of the Laboratory Complex of the Research Institute of Antimicrobial Chemotherapy, Federal State Budgetary Educational Institution of Higher Education «Smolensk State Medical University» of the Ministry of Health of the Russian Federation (Smolensk, Russian Federation)
3.	***Lipidomics based on mass spectrometry for disease mechanisms studying and personalized medicine*** **Nikolay Berezhnoy** PhD, Senior Research Scientist, National Laboratory Astana, Nazarbayev University (Astana, RK)
4.	***Thermo Fisher scientific solutions for medicine*** **Claudia Karpacheva** (with ZALMA support) Master of Science, Technology Specialist, NGS Thermo Fisher Scientific (Espoo, Finland)
5.	***From Mitochondrial GPCR Localization to Signaling: Exploring the Molecular Connection*** **Rim Debbiche** Postdoctoral Researcher, Institut Cochin, Université Paris Cité (Paris, France)
6.	***MicroRNA expression in the early diagnosis of acute cerebrovascular diseases: results of a study in the Karaganda region*** **Shynar Muratbekova** Assistant Professor, Department of Neurology, Psychiatry and Rehabilitation, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)

№	Reports
7.	***Global Research Output and Emerging Trends in Multi-omics Approaches in Parkinson's Disease: A Bibliometric Analysis*** **Kodjovi Sossou (online)** Doctoral student, National Research Tomsk State University (Tomsk, Russian Federation)
8.	***Impact of empiric antibiotics on microbial diversity and antimicrobial resistance in pneumonia*** **Dana Duisegali** 1st year doctoral student, Nazarbayev University (Astana, RK)
9.	***Translating Kazakh Flora into Precision Medicine: Pharmacological Omics, Herbzyme Synthesis, and Bio-Robotic Targeted Delivery*** **Yingqiu Xie** PhD, Associate Professor, Department of Biology and Biomedical Sciences, School of Medicine, Nazarbayev University (Astana, RK)
10.	***One sample for five measurements. Spatial multiomics on the AVITI24 device (Element Biosciences, USA)*** **Salamat Kasenova** Scientific consultant, Advena LLP
11.	***Cardiorespiratory and genetic integration of autonomic regulation in athletes: a hierarchical analysis*** **Diana Zhumagaliyeva** 3rd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)

11:30 – 11:50	**COFFEE BREAK (Canteen)**
13:00 – 15:00	**LUNCH (Canteen)**

SECTION
POSTERS

Date	**October 23, 2026**
Venue	**Karaganda, Gogolya st., 40, room 261**
Time	**10:00 – 13:00**
Link	**https://qmu.webex.com/qmu/j.php?MTID=mba9034ec8a88e0750f92f68720342b1f**
Speaking time limit	**5 minutes**

Moderators:

- **Ilya Belyaev**
  PhD, Department of Molecular Biology, Biochemistry and Microbiology, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, Republic of Kazakhstan)
- **Viktoriya Parakhina**
  PhD, Associate Professor, Department of Internal Medicine, «Karaganda Medical University named after P. Pospelov» NC JSC, Akzhan Clinic (Karaganda, Republic of Kazakhstan)

№	Posters
1.	***Plasma tryptophan pathway metabolites and TMAO in Long COVID with neurological manifistations*** **Dinara Turebekova** 2nd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
2.	***Use of artificial intelligence (AI) in antibacterial drugs production*** **Karina Darmenova, Amaliya Betkher** Interns, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
3.	***Antibiotics and students: the gap between knowledge and practice*** **Yevgeniya Sapalidi** Pediatrician, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
4.	***Application and Practical Outcomes of the Combinatorial Method in the Screening of Plants Growing in the Republic of Kazakhstan*** **Dmitry Solyanov** 2nd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
5.	***Myxoid histophenotype of the cervical stroma as a potential morphological marker of high risk of progression of cervical intraepithelial neoplasia*** **Madina Mergazina** 3rd year doctoral student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
6.	***Identification of potential biomarkers of chronic spontaneous urticaria based on integrative analysis of transcriptomic data and machine learning*** **Azhar Yermekkyzy, Aliya Nurmukhanbetova** 5th year student, Associate Professor of the Department of General Immunology named after A. A. Shortanbaev S. D. Asfendiyarov Kazakh National Medical University (Almaty, RK)

№	Reports
7.	***Determination of cytotoxic properties of nonwoven fibrous materials based on polylactide and polycaprolactone*** **Oksana Khan** Laboratory researcher, Scientific school «Chemistry and Technology of Polymer Materials», Plekhanov Russian University of Economics (Moscow, Russian Federation)
8.	***Bladder cancer organoids as a platform for transcriptomic analysis of tumor development and treatment response*** **Aziza Sabyrbekova** Master of Pharmacology and Toxicology, Nazarbayev University (Astana, RK)
9.	***Comprehensive assessment of the overall toxicity of nanocellulose-based biocomposite in in vivo experiment*** **Madina Rashova** Master, Teacher-researcher, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
10.	***Proteomic profiling of lacrimal fluid for identification of molecular signs of changes in the condition of the ocular surface*** **Liliya Takhauova (online)** Student, Federal State Budgetary Institution of Science «Seversky Biophysical Research Center» of the Federal Medical and Biological Agency (Seversk, Russian Federation)
11.	***Effect of bandages with granular sorbent and chlorhexidine dioxin mixture on the duration of treatment of wound defects in patients with diabetic foot syndrome at the outpatient stage*** **Aleksandra Parshutina (online)** Dissertator, Department of Specialized Surgical Disciplines, Federal State Budgetary Educational Institution of Higher Education Voronezh State Medical University named after N. N. Burdenko of the Ministry of Health of the Russian Federation (Voronezh, Russian Federation)
12.	***Integrative Bioinformatics and Machine Learning Analysis of Predictive Transcriptomic Signatures in Obesity*** **Inkar Okhas, Bolat Seidanov (online)** 3rd year doctoral student, 2nd year master's student, Al-Farabi Kazakh National University (Almaty, RK)
13.	***Effect of the type of surface coating and route of administration on the toxicity of magnetic magnetite and zinc-manganese ferrite nanoparticles*** **Denis Yakobson** Junior Researcher at the Laboratory of Pharmacokinetics and Targeted Pharmacotherapy, Federal Center for the Development of Biotechnology and Medicine, National Research Mordovia State University named after N. P. Ogarev (Saransk, Russian Federation)
14.	***Biologically active substances of Berberis heteropoda Schrenk: pharmacognostic and phytochemical study*** **Akzhunis Zhumash** Master's student, Al-Farabi Kazakh National University (Almaty, Kazakhstan)

11:30 – 11:50	**COFFEE BREAK (Canteen)**
13:00 – 15:00	**LUNCH (Canteen)**

SECTION
e-POSTERS

Date	**October 23, 2026**
Venue	**Karaganda, Gogolya st., 40, Central Hall**
Time	**10:00 – 13:00**

№	e-posters
1.	***The effect of virtual reality on students' attention and visual memory*** **Zuhra Darmani** 4th year student, Shokhan Ualikhanov Kokshetau University (Kokshetau, RK)
2.	***Regional Trends in Multidrug/Rifampicin-Resistant Tuberculosis: Analysis of WHO Data from 2015 – 2024*** **Manish Gaur** 4th year student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
3.	***Mastering the algorithm of rational choice of medicines using AI-ChatGPT*** **Polina Sverdel, Yekaterina Rudenko, Victoriya Fomina** 4th year students, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
4.	***AI-Assisted Virtual Autopsy: Perceptions of Medical Students and Physicians*** **Sabrina Mohabati** 4th year student, Shokhan Ualikhanov Kokshetau University (Kokshetau, RK)
5.	***Ultrasound imaging of skeletal muscles in the comprehensive diagnosis of sarcopenia in patients with inflammatory bowel disease*** **Olga Tabakchi** Student, Kazan State Medical University (Kazan, Republic of Tatarstan)
6.	***Myocardial oxygen demand in burn toxemia in children*** **Gulkhan Alauatdinova** Physician, Center for Professional Development of Medical Workers (Tashkent, Uzbekistan)
7.	***Personalized neoantigenic vaccine TG4050 for prevention of recurrence of squamous cell carcinoma of the head and neck*** **Aylana Serik** 5th year student, «Karaganda Medical University named after P. Pospelov» NC JSC (Karaganda, RK)
8.	***Detection of bacteriophage signatures in targeted sequencing data from sputum samples of patients with pneumonia in Kazakhstan*** **Altynay Kazbekova** 4th year student, Nazarbayev University (Astana, RK)
9.	***Impact of empiric antibiotics on microbial diversity and antimicrobial resistance*** **Mikhail Fadin** 4th year student, Nazarbayev University (Astana, RK)
10.	***Production of teas from herbs of plants of the Lamium genus with high iridoids content*** **Maria Kuzmina, Maria Shepelevich** 4th year students, Belarusian State Medical University (Minsk, Belarus)

CLOSING CEREMONY

Date	**October 23, 2026**
Venue	**Karaganda, Gogolya st., 40** **Assembly Hall**
Time	**15:00 – 17:20**
Link	**https://qmu.webex.com/qmu/j.php?MTID=m396770f7bf4f300ed2f51b334bcb9ba9**

- **Awarding the title of Honorary Professor of «Karaganda Medical University named after P. Pospelov» NC JSC**
- **Forum closing ceremony**
- **Concert dedicated to Republic Day**