



# An Una Europa Focus Area

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Conference, 2023 @Jagiellonian University



# *Paths to frontier research: what is just Starting at the Jagiellonian University*

**26-27 June 2023, Kraków**

## **Venue:**

Campus of the 600<sup>th</sup> Anniversary of the Jagiellonian University Revival  
Faculty of Biochemistry, Biophysics and Biotechnology, room: P1.1  
7 Gronostajowa Street  
30-387 Kraków

On-site meeting, with a live-streaming, aimed at showing possible directions of research cooperation and postdoctoral fellowships.

**Addressed to:** life-science students, doctoral students and researchers interested in new tools and research models being developed at the JU, including colleagues from Una Europa universities and collaborating Ukrainian universities.

## **26 JUNE (Monday)**

8:20 – 8:50 Registration of participants and welcome coffee

8:50 – 9:00 Welcome words

*Alicja Józkowicz – Faculty of Biochemistry, Biophysics and Biotechnology*  
*Izabela Zawiska – Head, JU International Relations Office*

## **Session 1: 9:00 – 11:00 Examples of new projects: part 1.**

9:00 – 9:30 The evolutionary patterns in insect-bacterial symbioses (Polish Returns project)  
*Piotr Łukasik – Faculty of Biology*

09:30 – 10:00 Uncovering the mechanisms of action of an antiviral bacterium (ERC Starting project)  
*Ewa Chrostek – Faculty of Biology*

10:00 – 10:30 A Matter of Blood - hematopoietic stem cells in health, aging and malignancy (ERC Starting project)  
*Krzysztof Szade – Faculty of Biochemistry, Biophysics and Biotechnology*

10:30 – 11:00 tRNAslational control of eukaryotic gene expression (ERC Consolidator project)  
*Sebastian Glatt – Malopolska Centre of Biotechnology*

**11:00 – 11:30 Coffee break**



## **Session 2: 11:30 – 14:00 Examples of new projects: part 2.**

- 11:30 – 12:00 Time-resolved X-ray crystallography on membrane proteins: watching ions moving in time and space (Dioscuri project)  
*Przemysław Nogły – Faculty of Biochemistry, Biophysics and Biotechnology*
- 12:00 – 12:30 Raman Microscopy – towards better sensitivity and specificity (Maestro project)  
*Małgorzata Barańska – Faculty of Chemistry*
- 12:30 – 13:00 Multifunctional solid luminophores based on cyanido metal complexes (ERC Starting project)  
*Szymon Chorąży – Faculty of Chemistry*
- 13:00 – 13:30 Bringing molecular photomagnets to light – photochemical approach to the design of photomagnetic systems (ERC Consolidator project)  
*Dawid Pinkowicz – Faculty of Chemistry*
- 13:30 – 14:00 HYADES Project: Searching for new reservoirs of water in our planetary system (and beyond) and the source of water on planet Earth (ERC Consolidator project)  
*Michał Drahus – Faculty of Physics, Astronomy and Computer Science*
- 14:00 – 15:00 **Free time for lunch**

## **Session 3: 15:00 – 17:00 Research models and Research Centres: part 1.**

- 15:00 – 15:30 A Star with Stripes: zebrafish as a model to study human disease (Polish Returns project).  
*Tomasz Praisnar – Faculty of Biology*
- 15:30 – 16:00 Leveraging the body-on-chip concept: deciphering virus-host interplay for the advancement of antiviral strategies  
*Krzysztof Pyrc – Malopolska Centre of Biotechnology*
- 16:00 – 16:30 Genome stability by advanced microscopy methods  
*Jerzy Dobrucki – Faculty of Biochemistry, Biophysics and Biotechnology*
- 16:30 – 17:00 Structural Biology Core Facility at MCB - presence and perspectives  
*Piotr Wilk – Malopolska Centre of Biotechnology*

27 JUNE (Tuesday)

**Session 4: 9:00 – 11:00 Research models and Research Centres: part 2.**

9:00 – 9:30 Functional *in-vivo* imaging of coronary and pulmonary microcirculation  
*Grzegorz Kwiatkowski – Malopolska Centre of Biotechnology*

9:30 – 10:00 Mass spectrometry as a powerful tool for protein analysis  
*Urszula Jankowska – Malopolska Centre of Biotechnology*

10:00 – 10:30 BioS Genomics Core Facility  
*Agata Jarosz – Malopolska Centre of Biotechnology*

10:30 – 11:00 Biology at single cell resolution  
*Krzysztof Szade – Faculty of Biochemistry, Biophysics and Biotechnology*

**11:00 – 11:30 Coffee break**

**Session 5: 11:30 – 14:00 Fellowship programmes and educational offer.**

11:30 – 12:00 Grant opportunities for cooperation between Polish and Ukrainian researchers  
*Katarzyna Pietruszyńska – Polish National Agency for Academic Exchange*

12:00 – 12:30 The Horizontal Contact Point: Grant opportunities for Polish-Ukrainian cooperation under the Horizon Europe programmes  
*Dawid Gacek – The Horizontal Contact Point for Southeastern Poland*

12:30 – 13:00 Joining the European University - Una Europa for students and students in Una Europa

13:00 – 14:00 Jagiellonian University Master Programmes – opportunities

Faculty of Chemistry: *Advanced spectroscopy in Chemistry*

Institute of Environmental Sciences: *Ecology and Evolution*

Institute of Environmental Sciences: *Environmental protection and management,*

Faculty of Biochemistry, Biophysics and Biotechnology: *Molecular Biotechnology*

14:00 Summary and farewell

