



JAGIELLONIAN UNIVERSITY
IN KRAKÓW

INFORMATION OF THE COMPETITION

DIRECTOR
OF MAŁOPOLSKA CENTER OF
BIOTECHNOLOGY

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21.10.2021, Krakow

RECTOR
of the Jagiellonian University
announces competition for the position of
ASSISTANT RESEARCHER

in the Bionanoscience and Biochemistry Laboratory
at MAŁOPOLSKA CENTRE OF BIOTECHNOLOGY
within the scope of biochemistry/molecular biology

We are now recruiting a scientist who will be involved in the research project to understand the molecular mechanism of the guest packaging and its impact on the catalytic activity of the vitamin B2 synthesizing compartment, riboflavin synthase/lumazine synthase complex. The project offers you the opportunity to gain experience in **laboratory evolution**, a most powerful approach to endow proteins with user-defined function, as well as in **protein cage-based technology**, a hot research topic fueled by prospective applications in catalysis and medicine. You will be mentored by Dr. Yusuke Azuma, (<https://www.azumag.com/>) as a member of the prof. Jonathan Heddle's laboratory, located at the Małopolska Centre of Biotechnology in the beautiful city of Krakow, Poland.

Who Can Apply:

This assistant researcher post is for a person who fulfils requirements stated in the Article 113, 116 (2) (4) of the Act of 20th July 2018 Law on Higher Education and Science of Poland and meet the following eligibility criteria according to § 166 of the Statute of the Jagiellonian University, and who holds a master, master of engineer, or equivalent degree with an outstanding, high grade master/doctoral thesis, evaluated by academic tutors.

More specific criteria to peruse the project and to join the research team are the following:

1. highly motivated to pursue protein engineering project
2. have at least 4-year experience in wet laboratory work, preferably in directed evolution of proteins
3. have background studies in one of the fields related to this project, e.g. molecular biology, biochemistry, biophysics, structural biology, cell biology and chemical biology.
4. published at least one scientific article in a peer-reviewed journal as the first author.
(If you have a special reason not to have a publication, e.g. long-term reviewing process, patent application, etc., please mention it in the application.)
5. have self-development attitude to establish his/her scientific career in a relative scientific realm
6. can cooperatively work with the colleagues in the institutes
7. can teach experimental techniques to students
8. proficient in spoken and written English.

Our Offer:

- Access to the basic and modern research instruments for molecular biology and nanotechnology (fluorescent-activated cell sorting (FACS), cryo-transmission electron microscopy, spectrometers, dynamic light scattering, chromatography pump system, etc.)
- Opportunities to present your work in international conferences
- Ability to join an international and dynamic group of researchers
- Excellent training: In our diverse group you will be able to network with international researchers, experience about new skills including in DNA origami design, enzyme biochemistry, structural biology, protein design etc.
- Discounted membership of sports facilities ("Multisport", <https://www.benefitsystems.pl/en/for-you/multisport/>)
- Subsidized social events (theater tickets, hotels, etc)

How to Apply:

Send applications (as PDF file(s), written in English and using at least 11pt font size) directly by e-mail to the project leader, Dr. Yusuke Azuma (yusuke.azuma@uj.edu.pl). Applications should be marked "Opus_PD" and include the followings:

- A. Application (motivation letter), describing why you want to join our group and what you can bring to us
- B. Curriculum vitae
- C. Brief description of your previous work (up to 2 pages)
- D. List of publications (If not available, provide the justification)
- E. Copy of the certificate for your highest academic degree, e.g. master or doctoral degree.
- F. Two referees including a former supervisor.

The applicant are also required to fill in the following formats, sing them, and send the photocopies to the project leader. You can download the formats through the website:

<http://www.dso.uj.edu.pl/-nauczyciele>

- G. Personal questionnaire (Kwestionariusz osobowy dla pracownika)
- H. Statement declaring that Jagiellonian University will be the basic place of employment in the case of being employed in the competition procedure. (Oświadczenie o miejscu pracy)
- I. Statement in accordance with the Article 113 of the Act Law on Higher Education and science of Poland.(Oświadczenie w trybie art. 113 ustawy z dnia 20 lipca 2018 Prawo o szkolnictwie wyższym i nauce)
- J. Statement regarding acquaintance and acceptance of intellectual property rules as well as legal protection of intellectual property (Oświadczenie o własności intelektualnej)
- K. Information regarding personal data processing.(Informacja o przetwarzaniu danych osobowych)

If applicable, please also provide the following documents:

- L. Information regarding classes taught by a candidate
- M. Form of the latest interim evaluation (okresowa ocena)

Important Dates:

Competition commencement date: **21 October 2021**

Applications deadline: **28 November 2021**

Decision of the competition shall be made by **18 December 2021**

The project starting date: **03 January 2022**, or as soon as possible thereafter

Should you have any questions about the criteria and application, please contact to yusuke.azuma@uj.edu.pl. Jagiellonian University does not provide housing.

On the basis of authorisation
of the Rector of the Jagiellonian University
Director of Małopolska Centre of Biotechnology
Dr Danuta Earnshaw