



UNIWERSYTET JAGIELLOŃSKI
W KRAKOWIE

**MAŁOPOLSKA CENTRE OF
BIOTECHNOLOGY**

Address: ul. Gronostajowa 7A,
30-387 Krakow
Tel. / fax.: 12 663 53 69

16 06 2020, Krakow

**DIRECTOR
of Malopolska Centre of Biotechnology
at Jagiellonian University
announces a competition for
a DOCTORAL STUDENT SCHOLARSHIP
in Bionanoscience and Biochemistry Laboratory
within the scope of
PROTEIN ENGINEERING
(NCN Opus)**

The bionanoscience and biochemistry laboratory is recruiting now a doctoral student for a fully funded position lasting for up to 4 years. The successful candidate will be involved in the research project to engineer protein cages as tools for production of difficult-to-express proteins. 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:

The ideal candidate must hold a master, master of engineer, or equivalent degree and be registered in the PhD program organized by Małopolska Centre of Biotechnology of Jagiellonian University (https://mcb.uj.edu.pl/en_GB/phd-programme) on the start date of the position*. More specific criteria to join the research team are the following:

1. highly motivated to pursue this protein engineering project
2. have background study in one of the fields related to this project**, e.g. molecular biology, biochemistry, biophysics, and nanotechnology.
3. can cooperatively work with the colleagues in the institutes
4. keen to learn new experimental skills / techniques for protein sciences
5. proficient in both spoken and written English.

* You do NOT need to be registered in the doctoral course at the point you apply for this scholarship.

**Additional specialized experimental skills will be taught by the project leader.

Our Offer:

- Student scholarship for up to 48 months
- Laboratory workspace and supervision to develop your doctoral thesis
- Access to the basic and modern research instruments including spectrometers, fluorescent-activated cell sorting, transmission electron and confocal microscopy, etc.
- Opportunities to present your work in international conferences
- Ability to join an international and dynamic group of researchers
- Excellent training and experience to develop your skills in protein design and production, directed evolution, enzyme kinetics, structural biology, cell biology, nanoparticle analysis etc.

How to Apply:

Send applications (as PDF files, written in English and using at least 11 pt font size) directly to the project leader, Azuma (yusuke.azuma@uj.edu.pl). Applications should be marked “Opus_PhD” and include the followings:

- A. **Motivation letter** including why you are interested in joining our group
- B. **Curriculum vitae** including lists of your scientific achievements (e.g. publication, presentation, award, training course, etc.)
- C. **Contact details of two referees** including a former supervisor
- D. **Signed agreement for processing personal data** (Format available on web ([English/Polish](#))).

Important note: You must send your application to the PhD school organized by Jagiellonian University. Please find the details on [the official announcement](#) (Polish version), or on [our website](#) (English version). When browsing the official announcement website, please unroll the panel with the project manager's name: Yusuke Azuma to find out what documents are required for the application to the PhD school.

Important Dates:

Competition commencement date: 16th June 2020

Applications deadline: **17th July 2020 (noon)**

Decision of the competition shall be made by 30th July 2020

The project starting date: 1st October 2020

Should you have any questions about the criteria and application, please contact to the project leader. Jagiellonian University does not provide housing.

Director of Małopolska Centre of Biotechnology