



UNIwersytet Jagielloński  
w Krakowie

**MAŁOPOLSKA CENTRE OF  
BIOTECHNOLOGY**

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12 May 2020, Krakow

**DIRECTOR  
of Malopolska Centre of Biotechnology  
at Jagiellonian University  
announces a competition for a position of  
MASTER's STUDENT  
in Bionanoscience and Biochemistry Laboratory  
within the scope of  
PROTEIN ENGINEERING  
(NCN Sonata)**

The bionanoscience and biochemistry laboratory is recruiting now a Master's student for a fully funded position lasting for up to 2 years. The successful candidate will be involved in the research project to engineer **supercharged 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 Center of Biotechnology in the beautiful city of Krakow, Poland.

**Who Can Apply:**

The ideal candidate must hold an undergraduate degree and be registered as a Master's student at an educational unit in Poland on the start date of the position. More specific criteria to peruse the program and to join the research team are the following:

1. eager to acquire experimental skills in directed evolution of proteins
2. have background study in one of the fields related to this project\*, e.g. molecular biology, biochemistry, biophysics, structural biology, cell biology and nanotechnology.
3. have good written and communication skills in English

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

**Our Offer:**

- Student scholarship of 2,000 PLN /month for up to 24 months
- Laboratory workspace and supervision to develop your Master's 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 “Sonata\_MS” and include the followings:

- A. Motivation letter, including why you are interested in joining the research team
- B. Curriculum vitae
- C. Short summary of previous scientific achievements and awards gained through previous scientific works (up to 2 page)
- D. Signed agreement for processing personal data  
(format available on the web, <https://cawp.uj.edu.pl/wynagrodzenia/stypendia>, „oświadczenie z informacją o przetwarzaniu danych osobowych wraz ze zgodą na ich przetwarzanie”)

### **Important Dates:**

Competition commencement date: 12<sup>th</sup> May 2020

Applications deadline: **21<sup>st</sup> June 2020**

Decision of the competition shall be made by 10<sup>th</sup> July 2020

The project starting date: 1<sup>st</sup> October 2020

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

dr Danuta Earnshaw nee Mossakowska prof UJ

Director of Małopolska Centre of Biotechnology