



JAGIELLONIAN UNIVERSITY  
IN KRAKÓW

## **INFORMATION ON THE COMPETITION**

**DIRECTOR**  
**OF MAŁOPOLSKA CENTRE OF**  
**BIOTECHNOLOGY**

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

Krakow, June 16<sup>th</sup> 2020

**DIRECTOR**  
**OF MAŁOPOLSKA CENTRE OF BIOTECHNOLOGY**  
**announces a competition for**  
**a DOCTORAL STUDENT SCHOLARSHIP**  
**in**  
**PROGRAMMABLE PROTEIN ENGINEERING**  
**(NCN Maestro – NZ)**  
**at the Bionanoscience and Biochemistry Laboratory**

The bionanoscience and biochemistry laboratory is recruiting a doctoral student for a fully-funded position with a duration of up to four years. The successful candidate will work with a dedicated and motivated team working at the frontiers of protein nanoscience developing new protein structures based on our recent discoveries published in *Nature* (<https://doi.org/10.1038/s41586-019-1185-4>). You will develop and characterize new ways of programming protein cage structures ultimately building protein nanorobotics with potential applications in medicine and beyond. You will learn relevant techniques of protein production and design as well as structural biology techniques, particularly cryo-EM. You will also have the opportunity to learn computational protein design.

### **Who can apply**

The ideal candidate should fulfill the following criteria:

- Possess master, master of engineer or equivalent degree in molecular biology, structural biology, biochemistry or related areas.
- Be motivated to study protein bionanoscience.
- Have excellent written and oral communication skills in English.
- Have good skills of work management and experimental record keeping.
- Able to work across disciplines and be willing to gain expertise in new areas.
- Able to work collaboratively

**Registration to Doctoral School of Exact and Natural Sciences is required to be accepted for a position**, for more information please visit the webpage: <https://science.phd.uj.edu.pl/start> we will also send more detailed information directly to applicants

### **Our offer**

- Attractive student scholarship for up to 48 months
- Professional supervision and mentorship throughout your PhD studies
- Dedicated laboratory space, office space and cutting edge experimental equipment necessary to carry out the project at the highest level
- Opportunity to become a valued member of an ambitious international team
- Opportunity to present your work at international conferences
- Prospect of collaboration with a promising start-up company in a closely related area of bionanoscience

## How to apply

The candidate should submit the following documents (in English) to the Malopolska Centre of Biotechnology office, Krakow ul. Gronostajowa 7A, room 3/12 or electronically via email: [jonathan.heddle@uj.edu.pl](mailto:jonathan.heddle@uj.edu.pl), applications should be marked "MaestroPhD-Hedd1"

- Motivation letter
- Curriculum vitae
- A copy of degree certificates (master degree, master of engineer, equivalent);
- Contact details of two referees including a former supervisor
- Signed agreement for processing personal data (available here: <http://www.heddlelab.org/images/Personal%20data%20NCN.pdf> )

More detailed information how to apply to **Doctoral School of Exact and Natural Sciences** will be sent to you upon receipt of your application.

**Competition commencement date:** *June 16<sup>th</sup> 2020*

**Applications can be filed till:** *08:00 (local Polish time) Friday July 17<sup>th</sup> 2020*

**Stage 1** interview: *July 17<sup>th</sup>, 20<sup>th</sup> 2020 (please keep these dates open)*

**Stage 2** interview (MCB doctoral school): *July 23<sup>th</sup> or 24<sup>th</sup> (please keep these dates open)*

Notification of results: *July 28<sup>th</sup> - 29<sup>th</sup>*

Position start date: *On or soon after October 1<sup>st</sup> 2020*

Jagiellonian University does not provide housing.

Director of Małopolska Centre of Biotechnology