



JAGIELLONIAN UNIVERSITY
IN KRAKÓW

INFORMATION ON THE COMPETITION

DIRECTOR
OF MAŁOPOLSKA CENTRE OF
BIOTECHNOLOGY

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Krakow, September 16th 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/en_GB/rekrutacja/konkursy_otwarte/-/journal_content/56_INSTANCE_DXSpowoNhfeL/142594442/145982501.

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 or directly to Doctoral School electronically via email: grant_biomed@uj.edu.pl, applications should be marked "MaestroPhD-Hedd1_2"

- Motivation letter, explaining how the applicant's background and research interests make them a suitable candidate for the position
- Curriculum vitae (CV) with particular emphasis on scientific achievements;
- A copy of degree certificates (master degree, master of engineer, equivalent);
- Reference letter written for the candidate by a researcher holding at least the academic degree of doktor habilitowany (post-doctoral degree) or being an employee of a foreign higher education institution or research institution who has a substantial track record in scientific issues related to life sciences;
- Names of researchers (two referees including a former supervisor) giving references to the candidate (their contact numbers and academic title)
- Documents demonstrating the scientific achievements listed in the curriculum vitae, e.g. first page of the article
- Transcript of grades: diploma supplement, or the official transcript of grades, or another document listing completed courses and grades. Information about grading scale must be included
- Signed agreement for processing personal data (available here: <http://www.heddlelab.org/images/Personal%20data%20NCN.pdf>)

Competition commencement date: *September 17th 2020*

Applications can be filed till: Noon (CEST) on October 1st 2020

Entrance exams: October 8th

Notification of results: *October 12th*

Position start date: *On or soon after October 19th 2020*

Jagiellonian University does not provide housing.

Director of Małopolska Centre of Biotechnology