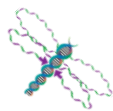




UNIwersytet Jagielloński  
w Krakowie



Bionanoscience and Biochemistry  
Laboratory

**MAŁOPOLSKA CENTRE OF  
BIOTECHNOLOGY**

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

Cracow, March 27<sup>th</sup> 2018

**Rector of the  
Jagiellonian University  
announces a contest for a Technical Scientist position (protein and lipid biochemistry)  
in the Laboratory of Bionanoscience and Biochemistry at the  
MAŁOPOLSKA CENTRE OF BIOTECHNOLOGY  
(FNP TEAM)**

We are now recruiting a Technical Assistant to join our team to design and build DNA-membrane protein nanomachines for use in artificial cells.

You will be part of the Heddle lab ([www.heddlelab.org](http://www.heddlelab.org)), a newly established, innovative lab carrying out ambitious research aimed at designing and building artificial biological nanomachines using DNA, protein and lipid building blocks.

**Details of Project:** The successful candidate will join a project that aims to design and build novel DNA-based nanomachines able to interact with specific proteins and help construct artificial cells. Your contribution will be: **1.** Production and purification of the various proteins (including membrane proteins) required in the project. **2.** Production and purification of liposomes **3.** Standard biochemical measurements e.g. protein concentration measurement, protein-DNA binding etc. **4.** Taking charge of routine but important tasks such as ordering etc.

**Requirements**

The ideal candidate should fulfill the following:

- 1) Possess an undergraduate degree in biochemistry or related areas.
- 2) Have experience in working in a biochemistry laboratory
- 3) Have experience in cloning, and protein production and purification
- 4) Experience in working with liposomes would be useful but not obligatory
- 5) Have fluency in Polish (reading and writing)
- 6) Have good written and oral communication skills in English

**Important Dates**

- Application Deadline: April 20<sup>th</sup> 2018      Start Date: June 1<sup>st</sup> 2018 or as soon as possible thereafter

**Our Offer**

- Employment in the project
- An exciting project in a new area of bionanoscience
- Ability to join an international and dynamic group of excellent researchers.
- Discounted membership of sports facilities ("Multisport", <https://www.benefitsystems.pl/en/for-you/multisport/>)
- Subsidised social events (theatre tickets, hotels etc)
- 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.

**How to Apply**

Send applications to [jonathan.heddle@uj.edu.pl](mailto:jonathan.heddle@uj.edu.pl) applications should be marked "FNPTech" and include the following:

1. Copy of diploma certificate
2. Contact details of a minimum of two referees including a former academic/project supervisor

3. Motivation Letter
4. CV
5. Your application must include the following statement: "I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended."

On behalf of  
the Rector of the Jagiellonian University  
prof. dr hab. Kazimierz Strzałka  
Head of Malopolska Centre of Biotechnology  
Project



The project "*Merging Programmable DNA Nanorobots and Microfluidics for Orientationally Controlled Delivery of Membrane Proteins to Protocells*" is carried out within the TEAM Programme, being a Grant Project of the Foundation for Polish Science funded by the European Regional Development Fund within the framework of Smart Growth Operational Programme 2014-2020 (SG OP) Axis IV: Increasing the research potential Measure 4.4: Increasing the human potential in R&D Sector."