

## JOB OFFER

Position in the project:	Postdoctoral Fellow (ASSISTANT PROFESSOR in the research staff)
Scientific discipline:	DNA nanotechnology, protein purification, structural biology, biochemistry, lipid chemistry, molecular biology,
Job type (employment contract/stipend):	Full-time employment
Number of job offers:	1
Remuneration/stipend amount/month ("X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN"):	Gross gross salary maximum 168 000 PLN per year, gross salary maximum 142 000 PLN per year.
Position starts on:	October 2020 or as soon as possible thereafter
Maximum period of contract/stipend agreement:	24 months
Institution:	Malopolska Centre of Biotechnology
Project leader:	dr hab. Jonathan Heddle, prof. UJ
Project title:	<i>Merging Programmable DNA Nanorobots and Microfluidics for Orientationally Controlled Delivery of Membrane Proteins to Protocells</i> <b>Project is carried out within the TEAM programme of the Foundation for Polish Science</b>
Project description:	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 and cell like structures, particularly they will be involved in applying this technology to construct novel structures that will be able to act as a new class of vaccine, e.g. against SARS-CoV-2.
Key responsibilities include:	<ol style="list-style-type: none"> <li>1. Contributing to protein, DNA and lipid based novel nanostructure design.</li> <li>2. Structural studies of designed artificial structures (using cryo-EM and AFM with expert collaborators and X-ray crystallography if applicable).</li> <li>3. Working with other members of the team to interact DNA devices with proteins and lipids</li> <li>4. Production and purification of proteins and liposomes and other lipid structures including separation and purification of modified GUVs and their downstream analyses</li> </ol>
Profile of candidates/requirements:	<p>The competitive selection process is open for all individuals, who meet the requirements set out in Articles 113 and 116.2.3) of the Act of 20 July 2018 – Law on Higher Education and Science, and who meet the following eligibility criteria according to § 165 of the Statute of the Jagiellonian University:</p> <ol style="list-style-type: none"> <li>i) Holding at least a doctoral degree;</li> <li>ii) Having relevant scientific achievements;</li> <li>iii) Taking active part in scientific life;</li> </ol>

and meet the following detailed requirements

1. Possess a PhD in chemical engineering, structural biology, molecular biology, biochemistry, biophysics or related discipline
2. Must be less than 5 years since awarding of PhD (not including allowed career breaks)
3. Experience working with proteins/DNA nanostructures and/or lipid nanostructures would be advantageous but not obligatory as these skills can be learned in-house
4. Experience in structural biology, particularly cryo EM will be advantageous but not obligatory
5. Should have general molecular biology skills such as cloning and protein production/purification
6. Have good skills of work management and experimental record keeping
7. Should be able to work well in a multidisciplinary team
8. Have good written and oral communication skills in English

Required documents:

1. Copy of PhD certificate.
2. Doctoral dissertation review.
3. Contact details of a minimum of two referees including a former academic supervisor.
4. Motivation Letter.
5. CV.
6. Information on the candidate's scientific and organisational achievements.
7. List of publications (along with the respective publishing houses and the number of pages).
8. Personal questionnaire.
9. Statement declaring that Jagiellonian University will be the basic place of employment in the case of being employed in the competition procedure.
10. Statement – in accordance with Article 113 of the Act Law on higher education and science.
11. Declaration on acknowledging and accepting the rules and regulations concerning intellectual property management and commercialisation in force at the Jagiellonian University.
12. Information regarding personal data processing.

Statement forms can be downloaded from here:  
[http://www.heddlelab.org/images/Team%20post-doc\\_attachments.zip](http://www.heddlelab.org/images/Team%20post-doc_attachments.zip)

We offer:

In the Heddle Lab we offer a dynamic and growing lab that is breaking new ground in bionanoscience and is extremely well-funded. We are housed in a new state-of-the-art research centre with access to the full suite of equipment necessary for bionanoscience, biochemistry and structural biology research and work with a network of international collaborators in Europe.

**In addition, we offer:** i) Postdoctoral research position with generous, *internationally competitive* remuneration; ii) Discounted membership of sports facilities ("Multisport", <https://www.benefitsystems.pl/en/for-you/multisport/>) iii) Subsidised social events (theatre tickets, hotels etc); iv) Excellent

	<p>training: In our diverse group you will be able to network with international researchers, experience and learn new skills including in DNA origami design, enzyme biochemistry, structural biology, protein design etc.</p> <p><b>Jagiellonian University does not provide housing.</b></p>
Please submit the following documents to:	Jonathan Heddle, email: <a href="mailto:jonathan.heddle@uj.edu.pl">jonathan.heddle@uj.edu.pl</a> applications should be marked "FNPostdoc4"
Application deadline:	Noon (CEST) on October 9th 2020
For more details about the position please visit (website/webpage address):	<a href="http://www.heddlelab.org">www.heddlelab.org</a>
Euraxess job/stipend offer (in case of PhD and postdoc positions):	<a href="https://euraxess.ec.europa.eu/jobs/556738">https://euraxess.ec.europa.eu/jobs/556738</a>

### Personal data processing information for job applicants

According to Article 13 of the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation – hereinafter GDPR), the Jagiellonian University informs that:

1. The Administrator of your personal data is the Jagiellonian University with its registered office in Gołębia 24, 31-007 Kraków, represented by the Rector of UJ.
2. The Jagiellonian University appointed the Data Protection Officer [www.iod.uj.edu.pl](http://www.iod.uj.edu.pl), Gołębia 24, 30-007 Kraków. The Officer can be contacted by email: [iod@uj.edu.pl](mailto:iod@uj.edu.pl) or at the telephone number 12 663 12 25.
3. Your personal data will be processed in order to:
  - a. conduct recruitment process for the position specified in the advertisement for a Postdoctoral fellow (ASSISTANT PROFESSOR in the research staff) in FNP, Team prof. UJ, dr hab. J. Heddle, grant – as part of the legal obligation of the Administrator pursuant to Art. 6 (1) lit c of the GDPR in connection with the Polish Labour Code;
  - b. conduct recruitment process for the position specified in the advertisement for a Postdoctoral fellow (ASSISTANT PROFESSOR in the research staff) in FNP, Team prof. UJ, dr hab. J. Heddle, grant based on your consent pursuant to Art. 6 (1) lit a of the GDPR – your consent is granted by the clear action of submitting your CV with the Administrator. The consent to the processing of personal data concerns data that you voluntarily provide as part of your CV, which do not result from Polish Labour Code.

4. The obligation to provide your personal data results from the law (it applies to personal data processed under Article 6 (1) lit c of the GDPR). Failure to provide you personal data will result in your inability to take part in the recruitment process. Submission of personal data processed on the basis of consent (Article 6 (1) lit a of the GDPR) is voluntary.

5. Should your data be processed as part of the Office 365 service, they may be transferred to third countries (USA) on the basis of entrustment agreement with clauses and a guarantee of Microsoft's implementation of a document called the "Privacy Shield".

6. Your data will be processed during the recruitment period. In the event of not concluding the contract with you, your data will be deleted after the recruitment process.

7. You have the right of access to the content of your personal data, as well as the right to correct, delete, restrict processing, transfer, object to processing – on the terms and conditions set out in the GDPR.

8. If the processing is based on consent, you have the right to withdraw the consent at any time, which shall not affect the lawfulness of processing based on the consent given before the withdrawal. Withdrawal of consent to the processing of personal data can be sent by e-mail to: [jonathan.heddle@uj.edu.pl](mailto:jonathan.heddle@uj.edu.pl) or by post to the following address: Małopolska Centre of Biotechnology of the Jagiellonian University, Kraków 30-387, Gronostajowa 7A Street or you can withdraw your consent in person at Małopolska Centre of Biotechnology of the Jagiellonian University, Kraków 30-387, Gronostajowa 7A Street

9. Your personal data will not be subject to automated decision making or profiling.

10. You have the right to lodge a complaint with the Inspector General for the Protection of Personal Data, if you feel that the processing of your personal data violates the GDPR regulations.