



ADAM MICKIEWICZ UNIVERSITY, POZNAN

ANNOUNCES

A COMPETITION

for a post-doctoral researcher position

**at the Faculty of Biology
in the TEAM NET project**

2 PRIORITY OF THE EUROPEAN FUNDS FOR MODERN ECONOMY PROGRAMME 2021–2027

(FENG)

*“Development of an innovative, high-throughput platform for functional screening of human
pancreatic endocrine cells”*

Project contract number FENG.02.03-IP.05-0113/24

Basic information

1. Research discipline (research field):

Biological sciences

2. Number of work hours per week including a task-based work schedule (if applicable):

Full time

3. Type of an employment contract and expected duration of employment

Employment contract for a fixed term (until 03.2028). Full-time employment contract, **initially for 6 months with the possibility of extension depending on results for the remaining 30 months**. During the period of receiving this salary, the postdoctoral fellow will not receive any other remuneration from funds granted as direct costs of research projects financed under FNP competitions and will not receive salary from another employer on the basis of an employment contract, including an employer with its registered office outside the territory of Poland.

4. Anticipated job starting date:

01.07.2025

5. Workplace location:

Department of Gene Expression, Institute of Biotechnology and Molecular Biology, Faculty of Biology, Adam Mickiewicz University in Poznań, Uniwersytetu Poznańskiego 6 st, 61-614 Poznań, Poland

6. Monthly salary:

gross/gross salary of approx. PLN 17,500/month

7. Application deadline and process:

Applications or additional questions should be sent to Prof. UAM, Dr. habil. Małgorzata Borowiak to the e-mail address: malgorzata.borowiak@amu.edu.pl. Selected candidates will be invited for an online interview. Application deadline: 10.06.2025 (recruitment will be conducted until a suitable candidate is found).

- candidates will be selected through an open competition, in accordance with the procedure consistent with the principles of the European Charter for Researchers,
- the competition will be open until a suitable candidate meeting all the requirements is found.

8. Required documents

- Candidate application for the competition;
- Curriculum Vitae;
- Diplomas or certificates issued by universities confirming education and obtained academic degrees or titles (in the case of academic degrees obtained abroad - the documents must meet the equivalence criteria specified in Article 328 of the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws of 2024, item 1571, as amended);
- Information on research, teaching, and organizational achievements;
- Two letters of recommendation - at least one should be from a direct supervisor; Other documents specified by the competition committee;
- Consent to the processing of personal data with the following content: In accordance with Article 6(1)(a) of the General Data Protection Regulation of April 27, 2016 (Journal of Laws of the EU L 119/1 of May 4, 2016), I consent to the processing of personal data other than: first name(s) and surname; parents' first names; date of birth; place of residence (correspondence address); education; previous employment history, contained in my job offer for the purposes of the current recruitment.

Conditions of the competition determined by the competition committee
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I) Determination of qualifications: (researcher profile) according to the Euraxess guidelines

☐ (R1) First Stage Researcher (up to the point of PhD)

☒ (R2) Recognized Researcher (PhD holders or equivalent who are not yet fully independent)

☐ (R3) Established Researcher (researchers who have developed a level of independence)

☐ (R4) Leading Researcher (researchers leading their research area or field)

Definition of qualification level and professional experience according to Euraxess guidelines: <https://euraxess.ec.europa.eu/europe/career-development/training-researchers/research-profiles-descriptors>.

II) Job offer description

We are looking for a motivated collaborator for the position of postdoctoral fellow (post-doc) in the Laboratory of Stem Cell Biology and Regenerative Medicine in the TEAM-NET project funded by the Foundation for Polish Science (FNP). The selected candidate will study the molecular mechanisms responsible for the expansion and function of human beta cells, which produce insulin.

The research will be conducted using the latest research techniques, such as: culture and differentiation of human stem cells into pancreatic beta cells, creation of pancreatic organoids, advanced genome editing techniques (inhibition and activation of expression) including screening, RNA sequencing at the single-cell level, Perturb-seq, functional tests of beta cells, and advanced microscopic imaging and flow cytometry with imaging. Mastery of all these techniques is not required,

as this project will be carried out in collaboration, but there is the possibility of getting to know these techniques more closely.

The project will be carried out in collaboration with the University of Warsaw, with the team of Dr. T. Kamiński, an expert in microfluidics, and the Jagiellonian University, with the team of Prof. J. Dulak, an expert in endothelial cell biology. The acquired knowledge will be of key importance for the development of cellular and gene therapy for people with diabetes.

The laboratory is located in Poznań, at the Institute of Molecular Biology and Biotechnology, Faculty of Biology, Adam Mickiewicz University, which is among the top scientific institutions in Poland. Our team is a young, dynamic, and efficiently operating team focused on cooperation, development, and mutual respect.

Selected publications of the team (prof. Borowiak):

- Nature, 2012
- Cell Stem Cell, 2009
- Nature Chemical Biology, 2009
- Nature Biotechnology, 2008
- Nature Communications 2018, 2017a, 2017b, 2023, 2025
- Science Translational Medicine, 2020
- Cell Reports, 2018
- Diabetes, 2020
- Journal of Clinical Investigation, 2020
- Frontiers in Cell and Developmental Biology, 2021, 2023, 2025
- Experimental Molecular Medicine 2025a, 2025b

III) Requirements and qualifications

The competition is open to individuals who meet the requirements specified in Art. 113 of the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws of 2024, item 1571, as amended) and meet the following requirements:

1. Doctoral degree in biological or chemical sciences

IV) Required languages

1. **Language: English**
2. **Level: (fluent)** at least at level B2 (spoken and written)

Definition of the language level according to the Euraxess dictionary

V) Required research, teaching or mixed experience

- Doctoral degree in: molecular biology, cell biology, developmental biology, biochemistry, or medical sciences
- Documented specialist knowledge in the field of molecular biology and cell biology;
- Experience in culture or differentiation of stem cells, experimental assessment of pancreatic physiology, genome editing using CRISPR/Cas9, with viral vectors, advanced microscopy, or RNA sequencing techniques at the single-cell level is welcome
- Publication record, including at least one publication as the first author. If there is no such publication, please provide an explanation of the circumstances
- Scientific curiosity
- High motivation and enthusiasm
- Reliability and independence
- Ability to work in a team,
- fluent command of English in speech and writing,
- the candidate must meet the criteria specified in the TEAM-NET competition conditions, FNP.

VI) Benefits

- Atmosphere of respect and cooperation

- Support for employees with disabilities
- Flexible working hours
- Funding for language learning
- Funding for training and courses
- Additional days off for education
- Life insurance
- Pension program
- Savings and investment fund
- Preferential loans
- Additional social benefits
- Holiday subsidies
- Subsidies for children's holidays
- "13th" salary

VII) Eligibility criteria

1. Publication record
2. Documented knowledge in molecular biology or cell biology
3. Experience in culture and differentiation of human stem cells, pancreatic physiology, genome editing, high-throughput screen, or multiomics
4. Knowledge of R, Seurat package or experience in transcriptomic data analysis

VIII) The selection process

1. The competition committee begins working no later than 14 days after the deadline for submission of documents.
2. Formal evaluation of submitted applications.
3. In the absence of required documents, a request to supplement the documentation or provide additional documents.
4. Selection of candidates for the interview stage.
5. Interview for candidates who meet the formal requirements.
6. The committee has the right to request external reviews of candidates' achievements
7. The chair of the competition committee announces the results and informs the candidates. This information will include justification and indication of the strengths and weaknesses of the candidates. Along with the information, the submitted documents will also be sent back to the candidates.

IX) Prospects for professional development

We offer a friendly, dynamic and supportive environment of co-workers, the opportunity to participate in professional training, thematic seminars and participation in national and international conferences.

RODO Information Clause:

Pursuant to Article 13 of the General Data Protection Regulation of 27 April 2016. (Official Journal of the EU L 119 of 04.05.2016) we inform that:

1. The controller of your personal data is Adam Mickiewicz University, Poznań, with the official seat: ul. Henryka Wieniawskiego 1, 61 - 712 Poznań.
2. The personal data controller has appointed a Data Protection Officer overseeing the correctness of the processing of personal data, who can be contacted via e-mail: iod@amu.edu.pl.
3. The purpose of processing your personal data is to carry out the recruitment process for the indicated job position.
4. The legal basis for the processing of your personal data is Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 and the Labour Code of 26 June 1974 (Journal of Laws of 1998 N21, item 94 as amended).
5. Your personal data will be stored for a period of 6 months from the end of the recruitment process.
6. Your personal data will not be made available to other entities, with the exception of entities authorized by law. Access to your data will be given to persons authorized by the Controller to process them in the performance of their duties.
7. You have the right to access your data and, subject to the law, the right to rectification, erasure, restriction of processing, the right to data portability, the right to object to processing, the right to withdraw consent at any time.
8. You have the right to lodge a complaint to the supervisory authority - the Chairman of the Office for Personal Data Protection, ul. Stawki 2, 00 - 193 Warsaw.

9. Providing personal data is mandatory under the law, otherwise it is voluntary.
10. Your personal data will not be processed by automated means and will not be subject to profiling.