



UNIwersytet
Warszawski

Wydział Biologii
Instytut Biochemii/Zakład Biologii Molekularnej



Job Offer

Research and Technical Specialist in Microfluidic Technologies

We are offering employment for the position of Research and Technical Specialist at the Department of Molecular Biology, Institute of Biochemistry, Faculty of Biology, University of Warsaw. The position is part of the project no. TEAM NET FENG.02.03-IP.05-0113/24, funded by the Foundation for Polish Science, titled: *"Development of an innovative, high-throughput platform for functional screening of human pancreatic endocrine cells."*

Project Leader: Dr. Tomasz Kamiński.

Description of the programme/project/initiative: The development of an innovative, high-throughput platform for functional screening of human pancreatic endocrine cells is the subject of the project. Diabetes is a chronic metabolic disease with a steadily increasing global incidence. The project proposes the use of a novel high-throughput flow system for culturing differentiating pancreatic cells on a microscale, enabling advanced preclinical studies, in vitro diabetes modeling, and more efficient drug testing.

The platform developed as part of the project will accelerate, standardize, and increase the precision of research, thereby reducing the costs of developing new therapies for patients with diabetes. The project will be carried out by a consortium formed by Adam Mickiewicz University in Poznań (leader), the University of Warsaw, and the Jagiellonian University in Kraków. The research teams are led by Prof. Małgorzata Borowiak (AMU), Prof. Józef Dulak (JU), and Dr. Tomasz Kamiński (UW).

Requirements

- Hold a minimum of a Master degree in engineering, physics, biotechnology, chemistry, or related fields
- Very good command of English
- Good organization skills
- Strong communication skills and ability to work in a team
- Scientific publications and experience in techniques essential for the implementation of the project, particularly in the area of microfabrication of microfluidic systems and automation of measurement setups.

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e-mail: ts.kaminski2@uw.edu.pl
<http://www.microfluidics.biol.uw.edu.pl>

- Knowledge of photolithography and soft lithography, as well as design software such as AutoCAD.
- Experience in building and using optoelectronic systems and in laboratory automation software, e.g., LabVIEW.

Responsibilities

- Design and microfabrication of microfluidic systems, including modification and optimization of their design
- Development of software for signal analysis, e.g., multicolor fluorescence and image-based measurements within microbioreactors
- Execution of high-throughput experiments and improvement of software for assay automation and control
- Conducting experiments and analyzing data
- Preparing publications and patent applications

Employment Conditions

- Fixed-term employment contract as a research and technical specialist
- Base salary approximately 13 000 –14 250 PLN gross, plus seniority allowance
- Contract starting on June 1, 2025, for a period of up to 34 months with a possible extending for additional 2 months.
- Opportunities for training, professional development, and participation in scientific conferences
- Co-authorship on publications and patent applications

Recruitment

Application deadline: May 20, 2025, at 11:59 PM.

Required Documents

- Copy of diploma(s) for completed studies and (optionally) PhD degree
- CV
- Cover letter
- Contact details of at least two referees (email, and optionally phone number)
- Consent for the processing of personal data. The personal data processing information form [should be downloaded from the University of Warsaw website](#).

Application Submission

By email to k.sienkiewicz@uw.edu.pl with the subject: "TEAM_NET_FENG_specialist_microfluidics". Candidates will receive an email confirmation of document submission. If no confirmation is received, please contact k.sienkiewicz@uw.edu.pl.

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For questions regarding the scientific aspects of the project, requirements, or scope of responsibilities, please contact ts.kaminski2@uw.edu.pl.

We reserve the right to contact only selected candidates. Recruitment results will be communicated via email to the address provided in the application documents.

Equal Opportunities

The constitutional principle of equal treatment of all members of the University community is a cornerstone of its operations. The University promotes diversity and opposes discrimination. It upholds the highest ethical standards, safeguards scientific integrity, and adheres to the principles of the European Charter for Researchers.