

JOB OFFER UNDER THE NCBI R PROJECT (PerFert)

POSITION: PhD Student

Place of employment and research activities:

Department of Clinical Immunology, Medical University of Warsaw (WUM), Warsaw, Poland

The selected candidate will join the research team of the NCBR-funded project *PerFert*, titled “*Personalized Therapy for Female Infertility and Recurrent Pregnancy Loss of Unknown Etiology.*”

Project Leader: Dr. Monika Kniołek

Duration of project involvement: until **2 October 2028**, including a three-month probation period

Role: research and technical work

Employment type: part-time employment contract (0.5 FTE)

Salary: **4500–5700 PLN gross**, depending on experience

Required qualifications

- Master’s degree in biotechnology, biological sciences, medical analytics, or a related field
 - At least two years of laboratory experience in a scientific setting
 - Practical skills in flow cytometry and in assays for soluble protein forms (e.g., ELISA, Luminex)
 - Documented experience in cell culture (experience with mesenchymal cells is an advantage)
 - Knowledge of immunology and basic molecular biology
 - English proficiency at **minimum B1 level**
 - High motivation for research work
 - Strong responsibility and reliability
 - Ability to work effectively in a team
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Project description

The *PerFert* project focuses on analyzing the expression of immunological checkpoint biomarkers in patients with recurrent pregnancy loss, unexplained infertility, and multiparous women. Analyses will include checkpoint molecules on selected immune cell subpopulations as well as their soluble forms in patient serum.

Further work will involve characterizing extracellular vesicles (EVs) derived from mesenchymal cells isolated from menstrual blood of participants enrolled in the project.

Responsibilities

1. Isolation of cells from peripheral and menstrual blood using density gradients
 2. Flow cytometry staining of human blood cell subpopulations
 3. Analysis and interpretation of cytometry results
 4. Performing ELISA and related cytokine assays in serum/plasma
 5. Maintaining sterile cell culture systems
 6. Coordinating shipments of biological material from hospitals to the Department and to partner institutions (Lithuania, Ireland)
 7. Preparing standard operating procedures (SOPs)
 8. Supervising and maintaining laboratory equipment
 9. Keeping documentation in accordance with GLP standards
 10. Data analysis and participation in preparing manuscripts, publications, and grant proposals
 11. Supervising Master's students
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Required application documents

1. Curriculum vitae
2. Description of scientific experience
3. Copy of diploma confirming academic qualifications
4. Reference letters or contact details of referees
5. List of scientific achievements (publications, conference contributions, research projects, patents, etc.)
6. Personal data processing consent

Required statements:

“I consent to the processing of my personal data contained in my application for the purposes of the current recruitment process conducted by the Medical University of Warsaw.”

“I declare that I have read and understood the personal data protection rules applied by WUM included in this job advertisement.”

Application submission

Please send your application to: monika.kniotek@wum.edu.pl

Deadline: 10 April 2026

Additional information

A recruitment committee appointed by the project leader will select candidates for interviews. The committee reserves the right not to select a candidate and to reopen the call. Only shortlisted applicants will be contacted. Application documents will not be returned.

For your information

Rules for the protection of personal data used by the Medical University of Warsaw:

1. The administrator of personal data is the Medical University of Warsaw located in Warsaw, Żwirki i Wigury 61, 02-091 Warszawa, Contact to the Data Protection Officer - email address: iod@wum.edu.pl.

2. Personal data will be processed in order to implement the recruitment process pursuant to art. 221 of the Labor Code, and

in the case of providing a broader scope of data pursuant to art. 6 § 1a GDPR – consent expressed by the candidate.

3. Access to personal data within the University's organizational structure shall only have employees authorized by the Administrator in the necessary scope.

4. Personal data will not be disclosed to other entities, except for entities authorized by law.

5. Personal data will be stored for the period necessary to carry out the recruitment process, up to 12 months from the settlement of the recruitment process. After this period, they will be removed.

6. You have the right to access your data, the right to rectify, delete, limit processing, the right to transfer data, the right to object to the processing, the right to withdraw consent.

7. You have the right to withdraw consent to the processing of your personal data at any time, which will not affect the lawfulness of the processing that was carried out on the basis of consent before its withdrawal.

8. You have the right to lodge a complaint with the Office for Personal Data Protection when it is justified that his personal

data are processed by the Administrator in breach of the general regulation on the protection of personal data of April 27, 2016.

9. Providing personal data is voluntary, but necessary to participate in the recruitment process to the extent specified in art. 221 § 1 of the Labor Code, voluntary in the remaining scope.

10. Decisions will not be taken in an automated manner and personal data will not be subject to profiling.