

JOB OFFER UNDER THE NCBiR 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 project PerFert as a PhD student conducting doctoral research within the project entitled:

“Personalization of Treatment for Female Infertility and Recurrent Pregnancy Loss of Unknown Etiology.”

Project Leader: Dr. Monika Kniolek

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

1. Final-year student status or a completed Master's degree in biotechnology, biological sciences, medical sciences, medical analytics, or a related field.
 2. Submission of application documents to the WUM Doctoral School Office.
 3. At least two years of laboratory experience in a scientific institution.
 4. Experience with techniques such as flow cytometry, analysis of soluble protein forms (e.g. ELISA, Luminex).
 5. Documented knowledge and practical skills in cell culture techniques; experience with mesenchymal cell cultures will be considered an advantage.
 6. Knowledge of immunology and basic molecular biology.
 7. English language proficiency at a minimum level of C1.
 8. Fluency in Polish, essential for maintaining research and clinical documentation, cooperation with the research center, and conducting studies involving patients; language proficiency will be verified during the interview.
 9. High motivation for scientific work.
 10. Responsibility and reliability.
 11. 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 samples.
2. Flow cytometric staining and analysis of immune cell subpopulations.
3. Performing ELISA and related cytokine assays.
4. Conducting sterile cell culture experiments.
5. Supporting the shipment of biological samples to collaborating institutions in Lithuania and Ireland.
6. Preparation of Standard Operating Procedures (SOPs).
7. Maintaining research documentation according to Good Laboratory Practice (GLP) standards.
8. Data analysis and participation in the preparation of manuscripts, scientific publications and grant applications.
9. Supervision of MSc students.
10. Participation in project reporting and collaboration with international partners.

Required application documents

1. Curriculum Vitae (CV);
2. Description of scientific experience;
3. Copy of diploma or proof of educational qualifications;
4. Letters of recommendation or contact details of referees;
5. List of scientific achievements (publications, conference presentations, research projects, patents, etc.);
6. Consent for personal data processing;
7. Proof of registration in the IRK system and confirmation of document submission to the Doctoral School.

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: 19 September 2026

Candidate Evaluation Criteria

Applications will be evaluated based on:

1. laboratory experience relevant to the project topic;
 2. knowledge of research techniques used in the project (including flow cytometry, ELISA, Luminex, and cell culture methods);
 3. scientific achievements (publications, conference presentations, participation in research projects, patents, etc.);
 4. relevance of previous scientific experience to the project topic;
 5. motivation for scientific research;
 6. performance during the interview.
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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.