



MEDICAL
UNIVERSITY
OF WARSAW



NATIONAL SCIENCE CENTRE
POLAND

JOB OFFER – *Post-doc*

The Medical University of Warsaw is seeking a candidate for the position of:

Post-doc

Project location: Microbiota Lab, Medical University of Warsaw

Number of positions: 1

Position: Postdoctoral Researcher

Requirements:

- PhD in pharmacy, chemistry, biology, biotechnology, or veterinary sciences,
- Proficiency in metabolomic analysis methods and molecular biology techniques,
- Basic knowledge in microbiology,
- Experience with mass spectrometry-based instrumentation is an advantage,
- Knowledge of bioinformatics methods is an advantage,
- Scientific track record documented by JCR publications,
- English proficiency at C1 level,
- Ability to work in a team,

- High motivation for experimental work,
- PhD degree awarded no earlier than 12 years prior to employment in the project (with exceptions in accordance with the annex to Resolution No. 84/2024 of the NCN Council of 5 September 2024 amending the Regulations on the allocation of funding for tasks financed by the National Science Centre in the area of research projects).

Job description:

Planned tasks include:

- Identification and characterization of active compounds in collected and/or cultivated fruiting bodies of fungi from the *Psilocybe* genus,
- Investigation of how gut microbiota transforms these compounds and their impact on human gut microbiota composition,
- Assessment of the impact of selected compounds on gut barrier, blood-brain barrier, and neuroinflammation processes using *in vitro* models,
- Testing compound effects in an *in vivo* depression model, including microbiota-gut-brain axis impact.

Project summary:

[Project summary](#)

Responsibilities:

- Direct supervision and conducting all project tasks.
- Designing, planning, and conducting experiments in accordance with project objectives, including biotechnological, analytical, chemical, *in vivo*, and *in vitro* studies.
- Developing and optimizing experimental methodologies. Collecting, analyzing, and interpreting data using appropriate statistical and computational tools.
- Maintaining accurate research records and ensuring compliance with safety, ethical, and regulatory guidelines.

Employment conditions:

Project call: NCN SONATA BIS-NZ

Application method: e-mail

Application deadline: May 31, 2026

Employment type: full-time employment contract

Employer: Medical University of Warsaw

Start date: September 1, 2026

Duration: 55 months (including 6-month probation)

Salary: 17,500 PLN gross/month

Project: SONATA BIS funded by the National Science Centre

Principal Investigator: Prof. Jakub Piwowarski

Application procedure and deadline:

Form of submission: electronically to jakub.piwowarski@wum.edu.pl; please include "Postdoc_PsiloBiota" in the subject line of the email by May 31, 2026.

Required documents:

- academic CV including a list of publications,
- summary of the doctoral dissertation,
- cover letter,
- copy of the diploma confirming the award of the PhD degree,
- letters of recommendation and contact details of two independent researchers (senior academic staff) willing to provide references,
- list of previously used research techniques,

- statement from the candidate that they are not funded from other National Science Centre projects,
- statement that the Medical University of Warsaw will be the primary place of employment.

should be sent to: jakub.piwowarski@wum.edu.pl

Required documents must be submitted in PDF format.

Please title the email: "Postdoc_PsiloBiota".

From the submitted applications, candidates who best meet the criteria specified in the announcement will be selected and invited for an interview with the recruitment committee.

We reserve the right to invite only selected candidates for an interview.

Contact details:

Principal Investigator: Prof. Jakub Piwowarski jakub.piwowarski@wum.edu.pl

[Laboratory website](#)

We offer:

- Employment in a post-doc position at the Microbiota Lab, a modern research laboratory specializing in microbiota metabolomic analysis.
- Access to advanced and unique research infrastructure (including LC-MS, LC-NMR, MALDI-TOF), enabling metabolomic studies that also incorporate spatial omics and single-cell metabolomics methods.
- The opportunity to conduct basic and preclinical research in collaboration with clinical teams.
- Support in developing scientific independence, including the possibility to initiate own research topics and develop an independent scientific profile.
- Scientific mentoring and support in the preparation of grant applications (both national and international).
- Work in a friendly, supportive and interdisciplinary research team.

Additional Information:**Required statements:**

Candidates interested in participating in the recruitment process are requested to include the following clause in their CV:

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

Personal data protection rules applied by the Medical University of Warsaw:

1. The controller of personal data is the Medical University of Warsaw, with its registered office in Warsaw, ul. Żwirki i Wigury 61, 02-091 Warsaw.
2. Contact details of the Data Protection Officer: phone [\(0-22\) 57 20 320](tel:0048225720320), email: iod@wum.edu.pl.
3. Personal data will be processed for the purpose of conducting the recruitment process on the basis of Article 221 of the Labour Code, and in the case of providing a broader scope of data, on the basis of Article 6(1)(a) of the GDPR – the consent given by the candidate.
4. Access to personal data within the organizational structure of the University will be granted only to employees authorized by the Controller, to the extent necessary.
5. Personal data will not be disclosed to other entities, except for those authorized under applicable law.
6. Personal data will be stored for the period necessary to carry out the recruitment process, up to 6 months after its completion. After this period, the data will be deleted.
7. The candidate has the right to access their data, rectify it, request its deletion, restrict processing, request data portability, object to processing, and withdraw consent.
8. The candidate has the right to withdraw consent to the processing of personal data at any time, without affecting the lawfulness of processing carried out on the basis of consent before its withdrawal.

9. The candidate has the right to lodge a complaint with the Personal Data Protection Office if it is justified that their personal data is being processed by the Controller in violation of the General Data Protection Regulation of 27 April 2016.
10. Providing personal data is voluntary; however, it is necessary to participate in the recruitment process to the extent specified in Article 221 §1 of the Labour Code; in the remaining scope, it is voluntary.
11. Decisions will not be made in an automated manner, and personal data will not be subject to profiling.

Project **“PsiloBiota: Exploring activities of natural products from Psilocybe sp. A microbiota-gut-brain axis perspective.”**

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N A R O D O W E C E N T R U M N A U K I
