



MEDICAL
UNIVERSITY
OF WARSAW

CHAIR AND DEPARTMENT OF BIOCHEMISTRY

Postdoctoral fellow in p53 and cancer therapy.

Do you want to contribute to top quality medical research?

Department

Department of Biochemistry, Medical University of Warsaw, Poland brings together basic and clinical competences to pursue high quality research improving the understanding of mechanisms of human diseases including cancer.

Your mission

A postdoctoral researcher position financed by National Science Centre, OPUS 20, is now open for a highly-motivated and skilled scientist with a strong background in molecular and cell biology, and/or cancer biology to join Prof. Joanna Zawacka's Team.

The main objective of Prof. Zawacka's Team is basic and translational cancer research, and the postdoctoral researcher will study the mechanisms and outcomes of reactivation of p53 protein family members by repurposed drugs alone and drug combinations using pre-clinical models of lung cancer.

The position involves application of the various methods through national and international collaborations. Additionally, you will be responsible for supervision of students.

Your main task is to decipher the mechanism and cellular outcomes of reactivation of p53 proteins by pharmacological means. To address this, you will apply biochemical and biophysical assays and utilize relevant cellular model systems and will perform state-of-the-art functional genomics and gene editing approaches.

The work may also require the use of pre-clinical mouse models for lung cancer.

The purpose of the studies is to understand the mechanisms underlying reactivation of the p53 pathway by selected repurposed drugs and targeted drugs in lung cancer and to identify novel therapeutic targets that are synthetic lethal with mutant p53.

The position will offer a highly collaborative environment in which you will be working in teams consisting of academic colleagues from various research groups.

The right candidate should have practical experience in some of the aforementioned techniques. You will also be given the opportunity to participate in national and international scientific meetings, courses and in-house trainings.

Your profile

A person is eligible to be appointed postdoctoral fellow if he or she has been awarded a Degree of Doctor.

Bases of assessment

The applicant is expected to hold a Ph.D., and have a broad knowledge in molecular, cell and cancer biology. The candidate should be able to show productivity in terms of published papers and have experience in training and mentoring students.

Specific entry requirements and personal qualities

- Ph.D. degree, in tumor biology or biochemistry (or equivalent) obtained within the last 3 years.
- Fluent in spoken and written English.
- Excellent oral and written communication skills.
- Hands on experience in molecular biology techniques including gene silencing (e.g. CRISPR-Cas9/shRNA technology), drug combinations screens, detection of cell death and reactive oxygen species, migration and invasion assays, gene expression analysis and fluorescent microscopy.
- Basic knowledge in bioinformatic analysis and FACS is a merit.
- Ability to work independently and in the team.
- Engagement and flexibility are important personal characteristics for the post.

Required documents and declaration (in English):

Application should be written in English and sent to Prof. Joanna Zawacka at **Joanna.zawacka-pankau@wum.edu.pl** and should contain the following documents:

- Cover letter (including research interest and justification of application for the position)
- A complete curriculum vitae, including date of the thesis defence, title of the thesis, previous academic positions, academic title, current position, academic distinctions, and committee work
- List of publications with DOI.
- A summary of current work (no more than one page).
- Copy of PhD diploma in English.
- Declaration about authorization for personal data processing:
“I hereby authorize you to process my personal data included in my job application for the needs of the recruitment process (in accordance with the Personal Data Protection Act, Journal of Laws of 2002, no 101, item 926 as amended)”

Conditions of employment

The position remains open until filled.

Planned starting date as soon as possible.

Competitive salary commensurate with the candidate experience.

The position is offered for 24 months with the possibility of extension for another 12 months with an initial probation period of 6 months.

The 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.
2. Contact to the Data Protection Officer - email address: iod@wum.edu.pl.
3. 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.
4. Access to personal data within the University's organizational structure shall only have employees authorized by the Administrator in the necessary scope.
5. Personal data will not be disclosed to other entities, except for entities authorized by law.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. Decisions will not be taken in an automated manner and personal data will not be subject to profiling.