



MEDICAL  
UNIVERSITY  
OF WARSAW

## CHAIR AND DEPARTMENT OF BIOCHEMISTRY

### **Doctoral (PhD) student position in p53 and cancer therapy.**

#### **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.

#### **The research group**

A doctoral student position financed by the National Science Centre, Poland OPUS 20, is now open for a highly-motivated and skilled candidate with a strong background in biochemistry, molecular and cell biology, and/or cancer biology to join Dr Joanna Zawacka-Pankau's Lab.

The main objective of Dr. Zawacka-Pankau's group is basic and translational cancer research, and the PhD candidate will study the mechanisms and outcomes of reactivation of p53 proteins using selected pre-clinical cancer models.

#### **The doctoral student project and the duties of the doctoral student**

p53 is a critical tumor suppressor and is extensively studied as a therapeutic target for improved cancer therapy.

The doctoral project aims at expanding our understanding which structural elements in p53 proteins can be targeted for effective reactivation of tumor suppressor function in cancers. Thus, the research can deliver new, essential knowledge regarding the organization and the allosteric modulation in p53 structure which can be harnessed for the therapeutic purpose.

#### **Eligibility requirements for doctoral education**

At the time of employment at the doctoral student position, the candidate must be registered to PhD program at the University in Poland or be enrolled in the doctoral school in Poland.

#### **A) General eligibility requirement**

You meet the general eligibility requirement for doctoral/third-cycle/PhD education if you:

1. have been awarded a second-cycle/advanced/master qualification (i.e. master degree),

**Specific duties and qualifications:**

- Establishing and performing experiments using biophysical and biochemical assays
- Planning and performing experimental work in the pre-clinical cancer models
- Data collection, analysis, reporting and cataloguing using recommended platforms
- Presentation of results
- Organization of laboratory routines and related documentations
- Attending seminars, courses and conferences.

**Required:**

Master of science in medical chemistry, biotechnology, biomedicine or equivalent, with a focus on biochemistry and/or tumor biology.

Hands-on knowledge of cell culture, biophysical assays used to study protein-protein interactions, molecular biology techniques (western blotting, qPCR, FACS, gene silencing).

**Desirable:**

Practical experience in drug screens, fluorescent microscopy and immunohistochemistry. Knowledge of relevant software for data analysis is a merit.

**Skills and personal qualities**

We are looking for a motivated, organized and creative researcher with proven experience in biochemistry and cancer biology.

The successful applicant is expected to work independently and in a team, have very good communication skills and be fluent in spoken and written English. We stress personal suitability.

**Application process**

Submit your application and supporting documents via email by 14/09/2022 to [joanna.zawacka-pankau@wum.edu.pl](mailto:joanna.zawacka-pankau@wum.edu.pl). We prefer that your application is written in English, but you can also apply in Polish.

Your application must contain the following documents:

- A motivation letter and a curriculum vitae
- Degree projects and previous publications, if any
- Any other documentation showing the desirable skills and personal qualities described above
- Documents certifying your general eligibility
- Candidate's declaration of consent to the processing of personal data " / hereby authorize you to process my personal data included in my job application for the purpose of the recruitment process ( in accordance with die Act of May 10, 2018 on the protection of personal data. Journal of Laws of 2018, item 1000)"

## **Selection**

A selection will be made among eligible applicants on the basis of the ability to benefit from doctoral education. The qualifications of the applicants will be evaluated on an overall basis.

## **Bases of assessment:**

- Documented subject knowledge of relevance to the area of research
- Analytical skill
- Other documented knowledge or experience that may be relevant to doctoral studies in the subject.

All applicants will be informed when the recruitment is completed.

## **Conditions of employment**

The position remains open until filled.

Planned starting date not later than October 2022.

The position is offered for four years 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](mailto:iod@wum.edu.pl).
3. Personal data will be processed in order to implement the recruitment process pursuant to art. 22<sup>1</sup> 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. 22<sup>1</sup> § 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.