**Mossakowski Medical Research Institute**

**Polish Academy of Sciences in Warsaw**

**is looking for a candidate for a post-doc position (assistant)**

The recruitment is for the SONATA project **“Identification and therapeutic targeting of the mRNA splicing alteration mechanisms driven by gain-of-function TP53 mutants in human cancers”** financed by the National Science Center at the Laboratory of Multi-omics of Human Diseases

Scientific discipline: medical science

Date of announcement: 03.10.2022

Deadline for submitting offers: 04.11.2022

Link to the website: www.imdik.pan.pl/en/

Key words: tumors, TP53, alternative RNA splicing

**Project:** The main aim of the project is to investigate the mechanism of regulation of mRNA alternative splicing by the mutant p53 protein in the most dangerous human cancers. We were the first to publish results showing that mutant p53 influences alternative splicing in breast cancer. This finding was supported by the work of another team showing the role of mutant p53 in the regulation of splicing in pancreatic cancer.

In the project, we will perform RNA sequencing in cell lines of selected tumors with a mutation in *TP53*, after silencing this gene using the CRISPR-Cas9 method to reveal genes whose mRNA is alternatively spliced ​​by mutant p53. The obtained RNA-seq results will be the basis for studying the mRNA splicing control mechanism by mutant p53 and the function of alternative isoforms of selected proteins in neoplasm. Understanding the mechanism and oncogenic functions of the studied proteins will allow for the design and testing of new therapeutic protocols.

**Description of activities within the workplace:**

• independent planning and conducting experiments with the use of biochemistry, molecular biology and cell culture methods

• data collection, analysis and processing

• writing scientific publications, reports, preparing conference presentations

• participation in scientific conferences related to the subject of the project

• supervising doctoral students, graduate students and interns in the laboratory

**Necessary requirements:**

* PhD in biological / medical / pharmaceutical or related sciences obtained not earlier than 7 years ago (this period may be extended by the duration of maternity, parental leave, or long-term incapacity to work due to illness)
* experience in laboratory work in the field of biochemistry, molecular biology (knowledge of western blot techniques, PCR, confocal microscopy, etc.) and cancer cell culture
* ability to work individually and in a team
* excellent knowledge of the English language allowing for effective communication and participation in international scientific conferences and the preparation of scientific publications
* indication of Mossakowski Medical Research Institute Polish Academy of Sciences as a first place of employment

**Additional requirements:**

• knowledge of bioinformatics tools for the analysis of RNA-seq data

• knowledge of primary / organoid tissue cultures

**We offer:**

• employment in the form of a full-time employment contract in the period November/December 2022 - September 2025, extension possible

• salary in the amount of approx. PLN 6000 net / month,

• research collaboration with a partner research center in Italy

• the opportunity to present research results at international scientific conferences.

**Submission of documents:**

If you are interested, please send documents with the number of the procedure:

PMCC-111-2/2022 to e-mail of the project manager: dr Magdalena Oroń **moron@imdik.pan.pl** until 04/11/2022

**Please submit the following documents:**

• CV in English with a list of publications

• a copy of the diploma confirming possession of the required academic degree or information on the planned date of the doctorate thesis defense

• contact details of the doctoral supervisor and (if applicable) later employer in science

Interested persons can obtain additional information by contacting the project manager,

The expected date of the interview: 07-11.11.2022 in English (also possible on-line)

The expected date of the recruitment: 12/11/2022

Estimated date of taking up the position: November/December 2022

**Information clause regarding the processing of personal data:**

Pursuant to Art. 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46 / EC (general regulation on data protection ) hereinafter referred to as the GDPR, we would like to inform you that:

-The administrator of personal data is the Institute of Experimental and Clinical Medicine Mirosław Mossakowski of the Polish Academy of Sciences, 02-106 Warsaw, ul. A. Pawińskiego 5 (hereinafter referred to as IMDiK PAN).

-At IMDiK PAN, a Data Protection Officer has been appointed, who can be contacted at the following e-mail address: daneosobowe@imdik.pan.pl or by sending a letter to the address of IMDiK PAN.

-Personal data will be processed in order to carry out the recruitment procedure / competition for the position indicated in the announcement by IMDiK PAN, ending with the possible conclusion of the contract.

-Personal data will be processed on the basis of the legal obligation of the administrator referred to in art. 22 'of the Labor Code (Article 6 (1) (c) of the GDPR). Other data will be processed on the basis of your voluntary consent (Article 6 (1) (a) of the GDPR), understood as sending a recruitment / competition application to IMDiK PAN, and their submission does not affect the possibility of participating in the recruitment / competition. If you do not want us to process additional data, please do not include it in the documents.

-By submitting your candidacy, you consent to the fact that if you win the recruitment / competition, your name and surname together with information about the recommendation for employment will be posted on the IMDiK PAN website.

-Applications of candidates not selected in a given recruitment / competition containing personal data will be processed up to one month from the end of the recruitment process, and then will be deleted.

-The recipients of personal data may be entities providing administrative and organizational services as well as authorized entities.

-Within the limits and on the terms set out in the GDPR, you have the right to request access to your personal data, rectification, deletion or limitation of processing, as well as the right to submit a declaration of withdrawal of consent to the processing of personal data at any time. Withdrawal of consent does not affect the lawfulness of the processing which was carried out on the basis of consent before its withdrawal, as well as the processing of data processed by the administrator on the basis of other provisions.

-You have the right to lodge a complaint with the President of the Personal Data Protection Office (ul. Stawki 2, 00-193 Warsaw).