



Laboratory of Human Disease Multiomics

Mossakowski Medical Research Centre of Polish Academy of Sciences in
Warsaw, Poland



is seeking PhD and MSc students

for the project: **Multi-onco-map: a multi-omics map of the major oncogene function in cancer**

The project: The main objective is to build a systematic, proteomics- and transcriptomics-based map of downstream functional molecular programs of the main driver oncogenes mutant *TP53*, *KRAS* or *CMYC*, in human cancer types causing most deaths in humans (multi-onco-map) and use this map to pinpoint novel therapeutic targets in human cancers, validated in cell and organoid cultures of pancreatic, colon and lung cancers. **The project is running since mid-2018 and is now at the point of analysis of the obtained large scale data and molecular mechanism validation.**

Location and duration: Participation in the project offers a possibility to take part in expanding a new, dynamic Laboratory of Human Disease Multi-omics with international staff (established 2018) in the bio-medical institute with long traditions (<http://www.imdik.pan.pl/en/research-groups/laboratories/1068-laboratory-of-human-disease-multiomics>), within the stimulating Ochota Biocenter campus environment. The location is the **Mossakowski Medical Research Centre Polish Academy of Sciences in Warsaw, 02-106 Poland, Pawinskiego street 5.**

The laboratory and the institute have a lab space to ensure safe distancing (1-2 people per laboratory) in the time of SARS-CoV-2 pandemics and a remote work for bioinformatics researchers.

The 1-2 PhD students will be recruited for 4 years since October 2020 to PhD schools – School of Translational Medicine (<https://www.cmkp.edu.pl/struktura/studium-studiow-doktoranckich/wspolna-szkola-doktorska/>) and/or School of Information and Biomedical Technologies (<https://www.szkoladoktorskatib.edu.pl/>).

The MSc student will be participating in the project for 2 academic years.

Requirements for a PhD students (the stipends will be in a range of 3000-4500 PLN net per month):

- M.Sc. or equivalent in biology, biotechnology, medicine or other related subjects obtained until 30th September 2020
- Very good command of English and practice in scientific writing/presentation of scientific data in English
- Knowledge of basics of molecular biology techniques and/or cell culture methods
- **Alternatively** – the PhD can be of a mixed bioinformatics-laboratory profile. In this case an interest and skills in bioinformatics will be an advantage.

Requirements for a MSc student (the possible remuneration will depend on a time spend on the project):

- Participation in MSc studies program of biological profile at one of the universities
- Good command of English
- Interest in spending time on a molecular biology laboratory project and co-authorship of research manuscripts

How to apply: Please send your CV in English, a contact to your M.Sc. work supervisor from a university and (if applicable) later employers in science, by e-mail to the lab leader dr Dawid Walerych: dwalerych@imdik.pan.pl. Do not write a motivation letter – if you want to justify your application (not required), do so briefly in the e-mail, in English.

The application deadline is 5th of June 2020. Selected candidates will be invited for an interview between 8th and 15th of June 2020 – the interview will be in English via Skype.

Related reading:

Walerych, D. *et al.* Proteasome machinery is instrumental in a common gain-of-function program of the p53 missense mutants in cancer. *Nat Cell Biol* 18, 897-909 (2016).

Walerych, D., Lisek, K. & Del Sal, G. Multi-omics reveals global effects of mutant p53 gain-of-function. *Cell Cycle*, 1-2 (2016).

Walerych D. *et al.* Wild-type p53 oligomerizes more efficiently than p53 hot-spot mutants and overcomes mutant p53 gain-of-function via a “dominant-positive” mechanism. *Oncotarget*. 2018; 9: 32063-80.

Mossakowski Medical Research Centre PAS hereby informs:

1. The Controller of your personal data is the Mossakowski Medical Research Centre, Polish Academy of Sciences, A.Pawińskiego 5 St., 02-106 Warsaw, Poland ("MMRC PAS").
2. The Controller has designated the Data Protection Officer who can be contacted via the following e-mail address: daneosobowe@imdik.pan.pl
3. Your personal data will be processed for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the MMRC PAS.
4. MMRC PAS processes Your personal data in relation to a legal obligation (the Article 6.1.c of the GDPR) pursuant to Article 221 § 1 of the Act of 26 June 1974 Labour Code (uniformed text: Dz.U. of 2018, item 917) or Your consent (the Article 6.1.a of the GDPR).
5. Provision of data in the scope stipulated in the Labour Code is mandatory, and the remaining data are processed according to your consent for processing of personal data.
6. With regard to processing of Your personal data for purposes mentioned in p. 3, Your personal data might be shared with the following recipients or categories of recipients: entities supporting MMRC PAS in its business processes, in particular administrative and economic service.
7. Your personal data will be processed for the period necessary to serve the purposes indicated in p. 3 -for a maximum of one month and then your personal data will be deleted. If you agree to participate in subsequent recruitment processes, please include the following statement in the submitted application: I hereby agree for my personal data to be processed and stored for the purposes of the recruitment process and subsequent recruitment processes by the Mossakowski Medical Research Centre. If you agree to participate in subsequent recruitment processes your personal data will be stored for subsequent recruitment processes and will be deleted within 6 months of the end of the month when current recruitment process is completed.
8. MMRC PAS wishes to assure You that all persons whose personal data are being processed by the MMRC PAS, are entitled to use their rights resulting from GDPR. You are entitled to the following:
 - right of access to the personal data, including a right to obtain a copy of such data;
 - right to correct or complete your personal data –in case the data are inaccurate or incomplete;
 - right to obtain the restriction of processing of personal data;
 - right to receive or transmit the personal data,
 - right to withdraw the consent at any time.
9. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data.