

PhD-STUDENT SCHOLARSHIP (4 years) at the Faculty of Biology, University of Warsaw, Poland

We seek a highly motivated and enthusiastic PhD student candidate at the Faculty of Biology, University of Warsaw. The position of a PhD-student is available for a period of four (4) years. The position is part of the OPUS project: "*Benchmarking Human Tissue Culture Systems that Mimic the Tumor Microenvironment*", financed by the NCN (National Science Centre). Principal Investigator (PI) is prof. Matthias Nees from Medical University of Lublin. PhD student will be supervised by dr Tomasz Kaminski (co-PI in the OPUS project) and prof. Andrej Dziembowski from the University of Warsaw.

About a project: <https://www.ncn.gov.pl/sites/default/files/listy-rankingowe/2021-03-15bhga1/streszczenia/516577-en.pdf>

WORK TASKS

- Implementation and optimization of state-of-the-art microfluidic high-throughput methods for single cell RNA sequencing, including inDrop and Vasa-seq (<https://www.biorxiv.org/content/10.1101/2021.09.15.460240v1>, accepted in Nature Biotechnology 2022).
- Applying scRNA-seq for analysis of primary tumor tissue and in vitro model systems such as patient-derived organoids (PDO) and patient-derived explants (PDE) developed at the Medical University of Lublin
- Analysis of high-throughput single cell RNA sequencing data
- Support of project collaborators in development of microfluidic technologies for tissue engineering and high-content screening.
- Publication of the results research articles papers and patent applications, participation in international conferences and research trainings

ELIGIBILITY CRITERIA:

- Graduate of MSc studies in the following fields: molecular biology, biotechnology, biochemistry or related fields.
- At least 1 year of research experience in molecular biology.
- Experience in genomics and data analysis of genomic data is a plus.
- Readiness to start education at the Doctoral School of the University of Warsaw.

THE APPLICATION MUST CONTAIN:

- 1) A brief motivation letter outlining why you are interested in the position, and presenting your work experience and career goals,
- 2) CV describing your previous research projects, complete list of conference abstracts and/or publications, and contact details to 1 or 2 researchers who can recommend you.
- 3) copies of BSc and MSc diplomas (or the information when MSc will be awarded)
- 4) for the purpose of the recruitment process, please attach a scan of signed, written permission for recruitment-related personal data processing, which states: *„I give permission to the University of Warsaw, registered at the address of ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa, to process my personal data for the purposes of carrying out the recruitment procedure, choosing the employee, and entering into an*

employment contract with the University of Warsaw, if applicable. I have been informed about my legal rights and obligations in relation to these actions. I acknowledge that providing the aforementioned personal data is done by me on a voluntary basis.“

WE OFFER

- Basic salary level (scholarship) is around **3800 PLN net** (5000 PLN gross) per month for 4 years. **Additional 2100 PLN net** per month is paid if candidate is accepted to the Doctoral School of the University of Warsaw.
- Possibility of affordable accommodation in the Faculty Residence Hall (rent is around 700 PLN).
- Optional private medical care and multisport card at discounted price.
- Possibility to conduct part of the project abroad and in Poland (University of Cambridge, UK or University of Turku, Finland, Medical University of Lublin)

HOW TO APPLY

Please attach your application **in English** as **one pdf file** (max 20 Mb) and send it to: ts.kaminski2@uw.edu.pl.

The deadline for sending applications: **13th May 2022**

Reviewing of the candidates will begin in the first half of May (2022) and will continue until the position is filled.

Planned date of resolving the competition: End of May 2022 (or later, if the deadline for sending applications is prolonged)

Planned start date of the scholarship: 1st October 2022 (negotiable)

ADDITIONAL INFORMATION

The best candidates will be invited for about 30 minutes job interview that will be organized on the Zoom platform.

The decision of the Recruitment Committee cannot be appealed.

The scholarship is granted according to REGULATIONS FOR AWARDED NCN SCHOLARSHIPS FOR NCN-FUNDED RESEARCH PROJECTS (https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2019/uchwala25_2019-zal1_ang.pdf).

The NCN research scholarship may be combined with other scholarships and salaries financed from NCN (e.g. Preludium) funds awarded under more than one research project, with the reservation that the total amount of scholarships and salaries collected may not exceed 5 000 PLN per month.