

Job offer - PhD Student Position

at the International Centre for Cancer Vaccine Science, University of Gdańsk

Requirements:

- MSc degree in biology, chemistry, computational biology, or similar.
- Knowledge of biochemical issues and experimental techniques.
- Ready to acquire knowledge of using TSA and CETSA techniques for chemical hits.
- Good knowledge and experience in computational biology will be a bonus.
- Understanding of the proteomics field.
- Good knowledge of English (written and spoken).
- Status of PhD student in the Intercollegiate Doctoral School of Biotechnology of the University of Gdańsk and Medical University of Gdańsk during the timeframe of the scholarship.

Responsibilities:

- Perform biological evaluation for the selected ligands and their derivatives against the target; hUPF1.
- Make in vitro experiments for the selected ligands (and derivatives) for the UPF1 protein using thermal shift assay and cellular thermal shift assay methods.
- Ready to learn and design in vitro and in vivo experiments, and make mass spectrometry runs on the selected samples, to identify the peptides and proteins.
- Involve in making experiments for the FRET assay to study interactions between UPF1, UPF2, UPF3a, and UPF3b proteins.
- Involve in designing experiments for scfv phage screen against the UPF1 protein.
- Preparing scientific publications and analysis of data from biological experiments.

The PhD student will work within the project: The impact of UPF1 ATP mimetics on the mutant immunopeptidome (Wpływ mimetyków UPF1 ATP na zmutowany immunopeptydom) led by prof. Theodore Hupp, grant agreement: UMO-2020/39/B/NZ7/02677. This position offers the opportunity to be jointly supervised between Prof. Theodore Hupp and Dr. inż. Umesh Kalathiya (University of Gdansk). The PhD Student will have the opportunity to access the Cyfronet Prometheus (~55, 000 cores) and CI TASK Tryton (~38, 000 cores) supercomputer clusters, which are consistently represented among the top 500 super computers in the world.

Work conditions:

- The position will start from 1 March 2022.
- Scholarship 4250 PLN/month gross/ before deductions for 48 months.
- Work in an interdisciplinary and dynamic team.
- Opportunity to collaborate with Gdansk University of Technology.
- Presentation of scientific results during scientific conferences.

Please note, in case of questions you are encouraged to contact Prof. Theodore Hupp (theodore.hupp@ug.edu.pl) and Dr. inż Umesh Kalathiya (umesh.kalathiya@ug.edu.pl) before submitting an application.



Międzynarodowe Centrum Badań nad Szczepionkami
Przeciwnowotworowymi
(International Centre for Cancer Vaccine Science)
Uniwersytet Gdański
ul. Kładki 24, 80-822 Gdańsk
Kontakt: tel. 0048-58-523 3460
iccvs@ug.edu.pl | www.iccvs.ug.edu.pl

Additional information:

Please send the application in English to: iccvs@ug.edu.pl quoting the reference "OPUS 20 PhD Student" in the email's title until 13 February 2022, 23:59.

Selected candidates will be invited to an (online) interview that will be held between 14-18 February 2022. The scholarship holders will be selected by a competition committee appointed by the Rector of University of Gdańsk.

Application documents

Application documents should be prepared as one single PDF document and include:

- a letter of motivation explaining your general interest for this position.
- a full CV (incl. information on the candidate's research achievements, including publications; research-related achievements, scholarships, awards and research experience gained in Poland or abroad, research workshops and training courses, participation in research projects).
- copy of your MSc (master degree) diploma.
- name, affiliation, email, and phone number of two referees who can be contacted if necessary.
- Please include the signed statement on the GDPR information clause for this recruitment downloaded from:

<https://iccvs.ug.edu.pl/work-with-us/open-positions/>