

Pursuant to § 7 sections 1 and 3 of Resolution No. 5/I/2020 of the Senate of the Jagiellonian University of 29 January 2020 on: the rules of recruitment for the Doctoral School of Exact and Natural Sciences at the Jagiellonian University in the academic year 2020/2021, the Director of the Doctoral School of Exact and Natural Sciences announces a competition for 1 doctoral student/s with a scholarship financed from the research project funds as part of the PhD study programme biophysics.

Within the PRELUDIUM BIS project entitled *High pressure studies of protein structure on the SOLCRYS beam line at the SOLARIS National Synchrotron Radiation Center*, a commission set up at the School will conduct recruitment for the PhD study programme biophysics in the academic year 2020/21.

Requirements: MSc degree (or equivalent) in physics, biophysics, chemistry, biochemistry or related fields, good knowledge of English, motivation and teamwork skills.

Application documents:

- CV;
 - copy of the Master's degree (or equivalent) diploma
 - a certificate of average grade in first cycle studies and a certificate of average grade in the first year of supplementary master studies (second cycle) or for candidates who have completed five-year master studies a certificate of average grade in the last year of studies excluding the last year of studies;
 - letter of motivation;
 - copies of documents confirming competences and scientific achievements,
 - a statement with information on the processing of personal data along with consent to their processing
- (https://cawp.uj.edu.pl/documents/102715934/137506372/2018_10_25+klauzula+informacyjna_rek_rutacja+i+umowa+stypendium+NCN+clean_PDSP+DAR%2814.11.2018%29+%E2%80%94+kopia.doc/0e4eeb44-e437-4209-a6c5-72f2a4cd70ad)

Please send your application documents to the project manager, prof. dr hab. Maciej Kozak at: ma.kozak@uj.edu.pl and upload them into the Online Application System (irk.uj.edu.pl).

Application submission deadline: 12.09.2021

Entrance exams: 15-16.09.2021

Announcement of results: 20.09.2021

Start of research work on October 1st, 2021.

The candidate will be involved in following research tasks:

- Protein purification;
- crystallization of proteins selected for planned research;
- participation in HP diffraction experiments and SAXS studies;
- participation in the design of the high pressure system for SAXS experiments;
- structural analysis of the studied systems based on the obtained XRD and SAXS data.

Scholarship (4 years):

months 1-24 - 5000 PLN

months 25-48 - 6000 PLN

Detailed information on the project is provided by the project manager - Prof. dr hab. Maciej Kozak (ma.kozak@uj.edu.pl) or dr inż. Joanna Sławek (joanna.slawek@uj.edu.pl).

Detailed information on recruitment procedure:

https://science.phd.uj.edu.pl/en_GB/rekrutacja/konkursy_otwarte/-/journal_content/56_INSTANCE_7wPbBpOFVEyc/142594442/148518513