



**Institute of Biochemistry and Biophysics PAS, Genetic Department
is opening a call for a PhD student position who will be involved in a project funded by
the Polish National Science Centre entitled "Characterization of function and substrate binding of the
prefoldin chaperone in physiology and cellular stress."**

The laboratory headed by Dr. Ulrike Topf is looking for a **PhD student** interested in pursuing fundamental research in cell and molecular biology. We are interested in the identification and characterisation of mechanisms that help to maintain cellular protein homeostasis (proteostasis). Maintenance of a correctly folded proteome strongly depends on the efficiency of a network of surveillance mechanisms, including the function of molecular chaperones. However, little is known why these mechanisms fail during aging.

The major goal of this project is to determine the role of the folding chaperone complex prefoldin under conditions when cellular proteostasis capacity is challenged.

As a PhD student, you will use the model system yeast *Saccharomyces cerevisiae* to validate putative interaction partners of prefoldin using genetic approaches and further investigate potential protein-protein interactions using biochemical approaches followed by mechanistic analysis of substrate binding of selected candidates. You will test the importance of our key findings under cellular stress conditions including mitochondrial stress.

The laboratory is located in the Institute of Biochemistry and Biophysics, Polish Academy of Sciences in Warsaw (www.ibb.waw.pl/en) – one of the top-ranked biological institutes in Poland and is part of a vivid research environment within large biomedical campus. The scientific interests of IBB cover classical biochemistry, biophysics, physiological chemistry, molecular biology and bioinformatics. IBB possesses in house large facilities that provide support with performing mass spectrometry and data analysis, generation of oligonucleotides and sequencing, transcriptomic facility and fluorescent microscopy suite. The institute offers language courses including polish for foreigners to facilitate the integration of researches from foreign countries.

Requirements for the candidate:

- Holds a Master's degree in biology, biochemistry, genetics or related life science field.
- Has good knowledge of molecular and cell biology.
- Is proficient in spoken and written English.
- Has motivation for experimental work and passion for science.
- Gathered hands-on experience in laboratory work, including basic molecular biology techniques.
- Previous experience with yeast research will be of advantage but is not mandatory.
- Mobility and research experience abroad will be of advantage but is not mandatory.

We offer:

- Full-time PhD scholarship for three years in amount of 3000 PLN/month
- Position with 100% focus on research (no teaching obligations)
- Work in young, active and international research group

Deadline for applications is **August 31st, 2019**. Job starting date is October 1st 2019 (start is negotiable).

How to apply:

- **Apply now** to utopf@ibb.waw.pl
- In the subject include "**PhD student**" and your first and last name.
- Your application must be submitted in English and should contain:
 - copy of diploma, or information about the date of defense
 - List of academic grades, if available
 - CV including scientific achievements and short description of research project(s) conducted so far including used methodology
 - motivation letter
 - contact details to potential referees, including at least one of your supervisors
- All documents should be merged in a single pdf file.
- **Please include the following statement in your application:** I hereby give my consent for the processing of my personal data by the Institute of Biochemistry and Biophysics PAS with its seat in Warsaw Pawińskiego 5a, 02-106 hereinafter referred to as the Institute for the purpose of the recruitment process and for future recruitment processes conducted by the Institute under Art. 23 ust 1 pkt 1 of the Personal Data Protection Act dated on 29 August 1997, consolidated text: Journal of Laws 2016, item 922 with further amendments and under Art. 6 ust.1 lit. a of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such GDPR (Dz. U. UE. L. z 2016 r. Nr 119”

Selected candidates will be invited for interview (also possible via skype).

Applications submitted after the deadline will be still considered if position is not filled.