



**Institute of Biochemistry and Biophysics PAS, Genetic Department
is opening a call for a position of postdoctoral researcher 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 **postdoctoral researcher** 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 postdoctoral researcher, you will be responsible for establishing *in vitro* and *in vivo* approaches for identification of prefoldin interactors in the context of protein folding of newly synthesized proteins. You will characterize selected candidates in terms of their mechanism of binding and perform functional studies during physiology. While most research is performed using the model organism yeast *Saccharomyces cerevisiae*, you will also have the possibility to test key findings in the nematode *Caenorhabditis elegans*, the pioneering model organism in aging research.

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 Doctoral degree/ PhD in biology, biochemistry, genetics or related life science field.
- Has solid knowledge and experience with techniques in molecular and cell biology.
- Is proficient in spoken and written English.
- Has motivation for experimental work, passion for science.
- Previous experience with yeast or *C. elegans* research will be of advantage but is not mandatory.
- Mobility and research experience abroad will be of advantage but is not mandatory.
- Previous success in funding application will be of advantage.

We offer:

- Full-time employment contract for three years in amount of 5500 PLN/month (netto)
- Position with 100% focus on research (no teaching obligations)
- Work in a young, active and international team

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 "**PostDoc**" 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 doctoral defense
 - List of academic grades, if available
 - CV including scientific achievements and short description of research projects conducted so far including used methodology
 - motivation letter
 - contact details to 2 potential referees, including 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.