



PhD position in Molecular Biology

The laboratory of Molecular basis of Aging and Rejuvenation headed by Dr. Ulrike Topf is looking for a **PhD student**. You will join the project entitled “**How does ribosome heterogeneity contribute to cellular stress defense?**” funded by the Polish National Science Centre under Sonata Bis grant UMO-2019/34/E/NZ1/00367.

Our laboratory conducts fundamental research in cell and molecular biology using yeast and *C. elegans* as model organism. We are interested in the identification and characterization of mechanisms that help to maintain cellular protein homeostasis. For more information about us see www.topf-lab.org/

The project aims to identify variations in ribosomal protein composition of the cytosolic ribosomes and the analysis of consequences of heterogeneity in ribosomes for the identity of newly synthesized proteins upon cellular stress. As a Phd student you will learn biochemical techniques to analyse the process of translation in *in vitro* and *in vivo* system, learn to perform and interpret ribosome fractionation experiments and analyse ribosome associated mRNAs in a candidate-based approach. Your participation in writing scientific papers, reports and presenting the project in internal and external meetings is expected.

Requirements for the candidate:

- Master degree obtained within 2 years before announcement of the position.
- Master degree in biology with focus on biochemistry, cell biology, genetics.
- Has motivation for experimental work.
- Is proficient in spoken and written English.
- Previous experience with yeast research will be of advantage but is not mandatory.

We offer:

- Full-time PhD-scholarship for 4 years in the amount of 3200 pln net/month
- Enrolment in the IBB “BIOL-CHEM Doctoral School”
- The position with 100% focus on research (no teaching obligations).
- Work in a young, active and international team.

The deadline for applications is **January 03rd, 2020**. The job starting date is January 15th, 2021 (or as soon as possible after this date).

How to apply:

- **Apply now to jobs@topf-lab.org**
- In the subject include “**PhD**” and your first and last name.
- Your application must be **submitted in English** and should contain following documents merged in a **single pdf file**:
 - Motivation letter
 - CV including a short description of research projects conducted so far including used methodology
 - Copy of Master degree
 - List of academic grades, if available
 - Letter of reference or contact details to 1 potential referee
 - **Please include the following statement in your application:** “In accordance with the personal data protection act from 29th August 1997, I hereby agree to process and to store my personal data by the Institution for recruitment purposes.”

Selected candidates will be invited for an interview.

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