



Přírodovědecká  
fakulta  
Faculty  
of Science

Jihočeská univerzita  
v Českých Budějovicích  
University of South Bohemia  
in České Budějovice



BIOLOGY  
CENTRE  
CAS

We are a research campus with a strong tradition in biosciences focused on complex ecological, evolutionary & developmental aspects of LIFE.

**Laboratory of Molecular Biology of Protists** of the Institute of Parasitology, Biology Centre, Czech Academy of Sciences and **Department of Molecular Biology and Genetics**, Faculty of Science, University of South Bohemia in České Budějovice are looking for highly motivated candidates for a

## PhD position in Protist Molecular Biology

We are a well-established laboratory studying several molecular aspects of (mostly) parasitic protists. We are interested in various aspects of biology of the trypanosomatid and diplomemid flagellates. These are protists that branched off the main eukaryotic lineage and contain numerous departures from the prototypical eukaryotic cell. In trypanosomes we explore (by knock-downs and -ins, tagging, overexpression) proteins involved in RNA editing, tRNA import and modifications, heme metabolism, and mitochondrial morphogenesis. In diplomemids we explore their evolution, diversity, morphology, metabolism, and structure of mitoribosomes. More info: (<https://www.paru.cas.cz/en/sections/molecular-parasitology/laboratory-of-molecular-biology-of-protists/>).

The joint University and Academy campus in České Budějovice provides a vibrant research environment.

Available **research topics** include, depending on the previous experience and interest of the student:

- genetic code alterations (e.g. Kachale et al., *Nature* 2023)
- endosymbiosis in protists (e.g. George et al., *Curr. Biol.* 2023)
- various aspects of molecular biology of marine protists (e.g. Pilátová et al., *mBio* 2023).

### What do we offer

- we possess a strong and continuous funding, which allows to supplement the standard PhD salary

- PhD fellowship & part-time job employment on research grants
- support for career development and mentoring
- stimulating English language environment
- international team and collaboration and opportunities to travel
- meals allowance, full health insurance, student benefits,
- administration support with relocation & settlement in the Czech Republic,
- work-life balance in a middle-sized university city offering options for outdoor, sport & cultural activities.

## **Requirements**

- Master degree in Life Sciences
- strong interest in research
- fluency in English
- flexibility and ability to work both independently and in a team

**THE APPLICATION DEADLINE IS 30<sup>th</sup> April 2023.**

**Preferred starting date** is autumn/ winter 2023 but is negotiable.

**To apply** please send your application including a **complete CV**, a copy of your **degree certificate** (the master degree in Life Sciences is required), a letter detailing your **motivation** to apply with a concise summary of your previous research activities, and contact information of **one referee** to [veronikaprantlova@gmail.com](mailto:veronikaprantlova@gmail.com)

**Please note that selected candidate will also need to submit an application for admission as a graduate student. More information :**

**<https://www.prf.jcu.cz/en/admissions/phd-study?view=article&id=1479&catid=10>**