

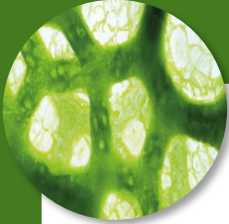
FUNCTIONAL BIOLOGY OF PROTISTS



Přirodovědecká
fakulta
Faculty
of Science



BIOLOGY
CENTRE
CAS



Explore the fascinating world of parasitic protists. Gain deeper insight into the molecular world of an eukaryotic cell.

When a cell encounters a new environment, it has two options: die or adapt. To study this phenomenon, we use an excellent model, a parasite *Trypanosoma brucei*, a master of metabolic adaptations.

Our goal is to understand the molecular mechanisms underlying the metabolic remodeling that drives cellular differentiation not only of parasites, but of all eukaryotic cells, including human stem cells, primary immune cells, and cancer cells.



Join my research team!

I am an experienced researcher who received PhD in Molecular Parasitology in 2006. After a 4-year postdoctoral stay at Seattle Biomedical Research Institute, USA I established my research group at Biology Centre CAS. I am a former EMBO grantee and current holder of an ERC Consolidator grant.

My team includes 3 researchers, 4 PhD students and several enthusiastic undergraduate students.

Contact:

Alena Panicucci Zíková

[Laboratory of Functional Biology of Protists](#)

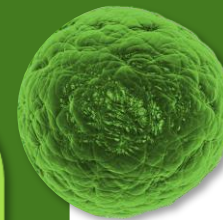
Biology Centre CAS

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Master's research project 2024-2026:
Starvation as a trigger for cellular differentiation

Enroll in the new two-year Masters Programme **Functional Genetics & Bioinformatics** at Faculty of Science, University of South Bohemia in České Budějovice, Czech Republic.

Offered specializations:

- **Bioinformatics**
- **Biotechnology**
- **Human Molecular Genetics**
- **Molecular Cell Biology & Genetics**

Application deadline: **19 May 2024**

Study start: **September 2024**

Find more information [HERE](#)