

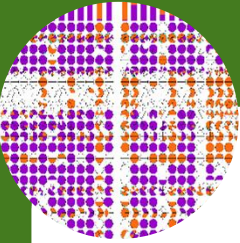
MOLECULAR BIOLOGY OF PROTISTS



Přirodovědecká
fakulta
Faculty
of Science



BIOLOGY
CENTRE
CAS



Explore the evolution of eukaryotic genomes. We are studying the gene repertoire evolution in Euglenozoa, a group of unicellular eukaryotes that includes human pathogens of the genera *Trypanosoma* and *Leishmania*, as well as their well-known free-living relatives such as *Euglena gracilis* and diplomonids.

Our research **focuses on** investigating the genetic changes that underlie lifestyle switches and the genes that define the ecological success of these organisms. We also study the evolution of non-coding DNA. For that we employ cutting-edge methods of bioinformatics and a combination of omics data, including genomic, transcriptomic, proteomic, and metabolomic data.



Join our research team!

I am an experienced bioinformatician (more than 10 years of experience) working in the field of eukaryotic genome evolution. Since 2023 I am holder of a grant of the Czech Science Foundation (GA ČR) aiming at exploring intron evolution in euglenozoan protists.

Contact:

Anzhelika Butenko

[Laboratory of Molecular Biology of Protists](#)

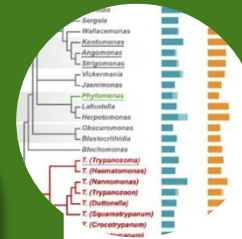
Biology Centre CAS

České Budějovice, Czech Republic

ORCID: 0000-0001-8685-2404

Researcher ID: AAC-5009-2019

anzhelika.butenko@paru.cas.cz



Master's research projects 2024-2026:

Lifestyle genomics of Euglenozoa

Exploring eukaryotic genome evolution: lessons from non-model Euglenozoa

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](#)