

Two PhD student positions in molecular parasitology at the University of Ostrava, Czech Republic

Laboratory of Trypanosomatid Biology, University of Ostrava, Czech Republic invites enthusiastic highly motivated students with a strong background in biochemistry, molecular biology, and genomics to apply for two PhD positions starting from January 2024 (the actual start date can be negotiated individually).

Project 1 will be focused on *in silico* analysis of RNA editing in non-model trypanosomatids within a broader context of multi-omics analyses in this group of parasites.

Project 2 will deal with molecular mechanisms governing endosymbiosis in Trypanosomatidae.

The successful candidate will also have a chance to get involved in other on-going projects in the laboratory, such as those addressing comprehensive genomics of Trypanosomatidae, evolutionary biology of parasitism, or mechanisms of translation in these fascinating flagellates.

Requirement: fluent English, ability to work in a team, enthusiasm. Advanced skills in genome and transcriptome analyses (for project 1) or molecular biology (for project 2) would be a plus.

Recent publications:

1. doi:10.1038/s41586-022-05584-2 (Nature, 2023)
2. doi:10.1016/j.cub.2023.04.060 (Curr Biol, 2023)
3. doi:10.1016/j.csbj.2022.11.023 (Comput Struct Biotechnol J, 2022)
4. doi:10.1371/journal.pntd.0010510 (PLoS Negl Trop Dis, 2022)
5. doi:10.1261/rna.079088.121 (RNA, 2022)
6. doi:10.1093/nar/gkab114 (Nucl Acids Res, 2021)
7. doi:10.1016/j.pt.2020.01.006 (Trends Parasitol, 2020)

Laboratory of Trypanosomatid Biology is well equipped and provides excellent conditions for research. The successful candidate will work in an international team of friendly and talented people, in which collaboration is strongly encouraged. The official laboratory language is English. For more information visit the lab web page at <https://web.osu.cz/~Yurchenko/>

How to apply:

Please send your **Resume and names/contact information of two potential referees** to Prof. Vyacheslav Yurchenko, Ph.D. by **September 30st, 2023**. E-mail: vyacheslav.yurchenko@osu.cz