



Postdoctoral Position: Vectors, symbionts and pathogens

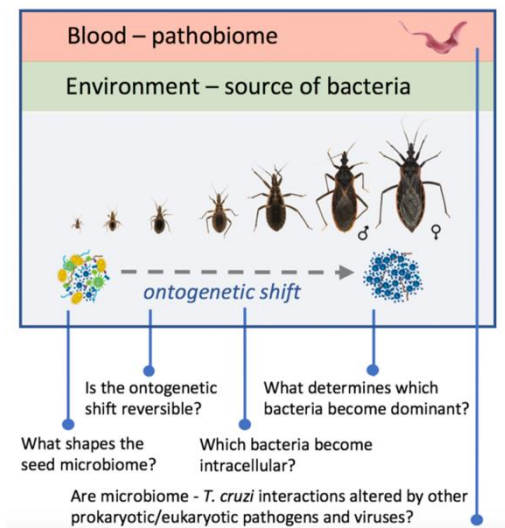
Novakova group, University of South Bohemia, announces openings for a postdoctoral position in the field of insect symbiosis.

Location: Department of Parasitology, Faculty of Science USB, Ceske Budejovice, Czech Republic

Starting date: August to November 2024

Application deadline: June 30, 2024

The selected candidate will be involved in the project entitled **Vectors, symbionts and pathogens: a complex story of Triatominae microbiomes**. The project main aims are to explore environmental determinants of the microbiome, its transmission, structural and ontogenetic changes, metabolic and immune interaction with host cells, and finally its interaction with pathogens. From the methodological point of view, the project relies on experimental manipulation of the laboratory colonies and extensive field sampling of US native species. It employs advanced tools for metagenomics, metatranscriptomics, and high-end visualization methods (FISH and laser confocal microscopy, EM).



The position is funded till December 2025 (possible extension).

The Postdoctoral candidate must possess a PhD in evolutionary biology, genomics, bioinformatics or related relevant field. Bash knowledge and ability to handle large data sets is a must. Candidates with solid experience in metatranscriptomics and/or prokaryotic and eukaryotic metagenomics are preferred. Excellent English communication at both written and oral level is required.

Documents to submit

- CV including a list of publications
- Contact information for two references



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- Scanned proof of PhD degree
 - Brief description of prior research, skills, experience and interests (a single page)

The project offers collaboration with two US partnering laboratories and the group supports highly international environment. Members of the group are guaranteed direct access to Confocal Microscopy facility, Electron Microscopy facility, MetaCentrum supercomputing facilities and BSL2 level laboratory. The laboratory is well equipped for high-throughput processing setup and in-house sequencing (Illumina MiSeq). More info on the group can be found here: <https://sites.google.com/view/novakovalab/>

Please submit your application electronically via e-mail jobs@prf.jcu.cz . The applications will be reviewed as they are received and interview calls scheduled accordingly. The closing date for applications is June 30, 2024. For further enquiries, please contact Eva Novakova (novake01@prf.jcu.cz).
