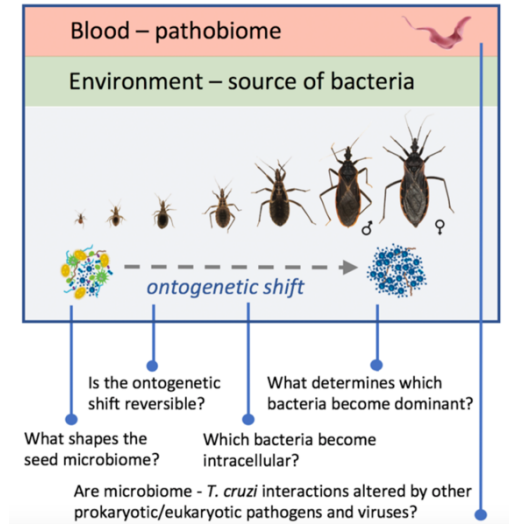


Postdoctoral Position: Insect Microbiomes

Novakova group, Department of Parasitology, Faculty of Science, University of South Bohemia announces openings for two postdoctoral positions in the field of **insect symbiosis** starting between January and June 2021.

The positions are funded for a 2-year period (possible extension for up to 5 years). The selected candidates 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 Postdoctoral candidate must possess a PhD in evolutionary biology, microbiology, parasitology, entomology, genomics, bioinformatics or related relevant field. Solid proficiency with standard molecular techniques and handling large data sets is a must. Candidates experienced in advanced microscopy (SEM, TEM, LCSM), microbiome analyses, transcriptomics and/or genome assembly are preferred. Previous experience with insect colonies and field sampling is a plus. 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
- Scanned proof of PhD degree
- Brief description of prior research, skills, experiences and interests (a single page)

The project offers collaboration with two US partnering laboratories, including funds for annual short-term research visits, 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://www.prf.jcu.cz/en/kpa/teams/groups/eva-novakova/people.html>.

Please submit your application electronically. The applications will be reviewed as they are received and interview calls scheduled accordingly. The closing date for applications is December 10th, 2020. For further enquiries and to apply, please contact Eva Novakova (novake01@prf.jcu.cz).