



## Postdoc in Population Genetics and Community Ecology

A three-year **Postdoc position** is available for a highly motivated candidate to help explore the interface between population genetics and community ecology. The processes that maintain genetic variation in populations and allow species to coexist in diverse communities are likely to interact, but are typically addressed separately. However, genetic variation is likely to have a key role in determining species coexistence. Similarly, species diversity may improve maintenance of genetic variation within interacting populations.

The postdoc position is part of a frontier, high-level funding from 2020 to 2025 (ERC-CZ grant). The candidate will lead the population genomics aspect of the project, which includes laboratory microcosm experiments, experimental evolution, field surveys and ecological modelling. This collaborative project utilizes a novel experimental community model system of wild *Drosophila* species and their parasitoids from tropical Australia. We will sequence genomes of five *Drosophila* and five parasitoid species and use whole genome genotyping to quantify changes in genetic variation and link host resistance phenotypes to their associated genotype. There will also be opportunities to develop the project in a direction of the candidate's own choosing.

The successful applicant will join the Laboratory of Experimental Ecology [ <http://lab.hrcek.net> ] at the Biology Centre, Czech Academy of Sciences, Ceske Budejovice, Czech Republic, under the supervision of Dr Jan Hrcek. The laboratory is a multinational team of PhD students, postdocs and technicians and the applicant will have the opportunity to work extensively with other team members. The laboratory can provide substantial resources and support for exceptional research. The laboratory is part of the Department of Ecology, a dynamic international centre for research on interaction networks, with regular publications in leading journals. Further, the candidate will collaborate within a wide network of the PI's collaborations and establish new links for this project.

The review of applications will begin on **10<sup>th</sup> June 2020** and will continue until the position is filled. The salary of 50.000-60.000CZK/month gross + benefits more than comfortably covers living expenses in Ceske Budejovice and international holiday travel. Further, there will be opportunity to apply for fellowships. The working language is English and applicants from all countries are eligible.

### Required:

- A PhD degree in Biology with a strong track record
- Experience with population genetics or genomics
- Experience in bioinformatics or population genetic modelling

### Desirable:

- Research experience with laboratory experiments or insect ecology

To apply please send one document with your CV, contact details for three references, and cover letter stating qualifications, previous work and motivation to Jan Hrcek [ [janhrcek@gmail.com](mailto:janhrcek@gmail.com) ].