



Postdoc in eco-evolutionary dynamics of communities

A three-year postdoctoral position in eco-evolutionary dynamics of host-parasite communities is available in Jan Hrcek's lab [<http://lab.hrcek.net>] at the Biology Centre, Czech Academy of Sciences, Ceske Budejovice, Czech Republic.

The candidate will develop a project on the interface between population genetics and community ecology. Our laboratory utilizes a novel experimental community model system of wild *Drosophila* species and their parasitoids from tropical Australia. We are able to perform multigenerational laboratory microcosm experiments and track eco-evolutionary dynamics in fine detail. The candidate's project will be complementary to Jan's ERC-CZ grant (2020 to 2025) investigating relationships between the maintenance of genetic variation within populations and species diversity within ecological communities. These processes are typically studied separately, but likely interact to structure diversity in ecological communities. The laboratory is an international 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. Further, the candidate will collaborate within the PI's wide network and establish new links for this project.

Primarily, we are looking for a candidate with experience in eco-evolutionary dynamics modelling, preferably using individual based models. Other experience in population genetic or population genomic modelling would also be useful. The candidate is expected to develop models tied to our *Drosophila* – parasitoid system, as well as more general models for addressing theoretical questions in eco-evolutionary dynamics. The candidate's project can also include laboratory and field experiments.

Interested candidates are encouraged to contact Jan [janhrcek@gmail.com] with brief motivation letter and CV as soon as possible in order to have a chance to submit Czech Science Foundation or Marie-Curie fellowship applications. Main funding routes are:

– Czech Science Foundation postdoc incoming fellowship – deadline already on 6th April 2021!

– Marie-Curie fellowship – deadline in September. Only two years, but another year extension possible on ERC-CZ grant.

– a position will be available on ERC-CZ grant even if a fitting candidate is not successful in the above fellowship calls.

The salary of 60.000CZK/month gross + benefits more than comfortably covers living expenses in Ceske Budejovice and international holiday travel. Salary would be even higher with Marie-Curie. Expected starting date is beginning of 2022. The working language is English and applicants from all countries are eligible.