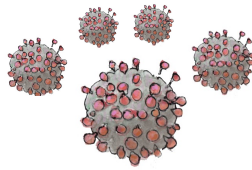


# Post-doc in Evolutionary Virology



## Location:

Institute of Vertebrate Biology, Czech Academy of Sciences, Research Facility Studenec

Team: Evolutionary interactions of the holobiont

Academic advisors: Joelle Gouy de Bellocq, Stuart Baird, Dagmar Cizkova

## The project:

We are using the well-understood species barrier of the European house mouse hybrid zone (HMHZ) as an optimal context to investigate the factors involved in viral emergence and host-switching with particular focus on recombination and reassortment. For this, we are performing an extensive genomic characterisation of house mouse viruses across the European HMHZ and in the sympatric rodent community using Metagenomic approaches. The highly prevalent and well geographically distributed virus species will be further analysed to investigate regions of the viral genomes that recombine in the context of the host hybrid zone.

The post-doc researcher will be responsible for analyzing metagenomics data to characterize the virus community of the HMHZ and local rodent species. Possibility to participate to field sampling in Bulgaria in October 2023.



## Qualifications:

- PhD in evolutionary biology, parasitology, virology or bioinformatics
- Evidence of research productivity, including first author publications though the candidate's existing work will be judged on its quality and utility to the scientific community rather than gross number of publications.
- Ability to work independently; Good writing skills.
- Coding skills (R, Python) and previous experience working with large genome-scale datasets would be a plus but is not mandatory.

## Salary and duration:

Gross monthly salary: 40,000 CZK (with bonuses at the end of the year). The contract can start as early as the 1st of June 2023. The position is funded till December 2024.

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