



PhD position (Heidelberg University, Germany)

Deadline for application: 15.01.2021

PhD position (65%) in plant evolutionary genomics (d/f/m)

Who we are:

We are working at the interphase of organismal biology, systematics and taxonomy, and evolutionary biology. Our team has a wide range of expertise from taxonomy and field work towards comparative genomics and database management. Our group "Department of Biodiversity and Systematics" (<https://www.cos.uni-heidelberg.de/index.php/m.koch?l=e>) is embedded into the excellence center COS (Centre for Organismal Studies at Heidelberg University).

What we offer:

- A motivating and innovative working environment at our university
- Full access to modern facilities and infrastructure at a strong research institution
- Scientific exchange, flexibility, independence and self-responsibility
- Extensive options of vocational training (meetings, workshops, conferences)
- Excellent opportunities for cooperation and networking preparing its own scientific career
- A great chance to receive your doctoral degree and joining an excellent doctoral training programme (HBIGS)
- TV-L E13 (65%), limited to 3 years

HU is an equal opportunity employer. Qualified people of all gender are encouraged to apply. HU strives to increase the proportion of women. Applicants with disabilities will be given preference, if they essentially have the same qualifications.

Job description

The position is embedded into a DFG funded research project (Evolutionary principles and the genomic basis of convergent evolution in tribe Arabideae, Brassicaceae family") and continues our evolutionary work on Brassicaceae (Nature Comm. 2020, ps://doi.org/10.1038/s41467-020-17605). The successful candidate will be focusing on analyzing whole-genome sequence data and elaborating on the genomic footprints of parallel and convergent evolution in selected independent biological replicates. Additional data will come from other sources such as GBIF and physiological experiments to define key traits to be studied in detail.

The candidate ideally has

- A strong background in the field of genomics or transcriptomics
- Enthusiasm for and competence in large-scale data management and handling
- First experience and some conceptual competence with multivariate statistics, modelling and relevant languages (e.g. R, Python, etc.)
- An intrinsic and high motivation in developing strong skills in scientific writing
- A high interest to work within a team and motivate other students to contribute

Job requirement

An excellent diploma or master's degree in biosciences or close disciplines is mandatory, same as excellent knowledge of English and pronounced writing skills. We also expect some interest in plant species biology, ecology and evolutionary history.

The starting day is scheduled latest with March, 1st, 2021 (part-time 65%, fixed-term for 3 years)

If you are interested, we are looking forward to receive your comprehensive standard application documents as one single PDF file. Please send the documents to: Prof. Dr. Marcus Koch and Dr. Christiane Kiefer using marcus.koch@cos.uni-heidelberg.de.

We will arrange ZOOM meetings to discuss applications continuously until the position is filled (latest January 20th, 2021).

As part of your application for a position at Heidelberg University (HU), you are transmitting personal data. Please note our data protection information in accordance with Art. 13 General Data Protection Regulation (GDPR; Datenschutzgrundverordnung DSGVO) on collection and processing of personal data in the context of your application (https://www.uni-heidelberg.de/md/studium/interesse/bewerbung/verfahren/infoblatt_zum_datenschutz_fur_bewerber_innen.pdf). By submitting your application, you confirm that you have read HU's data protection information.