

Job Announcement

The Max Planck Institute for Evolutionary Biology, Max Planck research Group Behavioural Genomics

Postdoctoral Position – Genomics of Migration

Review of applications: 18.03.2019

[\[printable version .pdf\]](#)

Postdoctoral Position – Genomics of Migration

We are hiring - come and work with us!

The Max Planck Research Group Behavioural Genomics combines several biological disciplines including evolutionary genomics, bioinformatics, molecular biology, behavioural experiments in controlled lab and field settings, using emergent technologies to identify the genetic basis of migratory traits.

Here we focus on identifying the genes and signalling pathways behind the components shaping the migratory phenotype in the blackcap, a well characterised migratory songbird species. We combine high-throughput- sequencing data to identify sequence variants with alternative approaches, such as gene expression profiling and characterisation of chromatin modification or epigenetic markers to investigate the extent of phenotypic variation manifested by expression differences, either through slight genetic differences or epigenetic processes.

Our core project aims to understand: *Which genes harbour coding variation with relevant consequences for migratory traits, and which signalling cascades are involved in shaping the migratory phenotype?*

The ideal candidate holds a PhD in Biology, has a strong background in one or several of the following areas: population genetics, computational biology, experience working with high-throughput sequencing data, and is familiar with the use of data on gene expression or epigenetic markers (scripts and analysis pipelines).

Experience in identification and characterizing of behaviourally regulated genes, avian neurobiology or genome editing are great assets, but not required. The successful candidate will participate in fundamental research questions on migratory genomics. As a central member of the group, the postdoc has good communication and organization skills and will take part in supervising students. We would especially welcome a creative postdoc who is motivated to contribute to and extends our research agenda developing own ideas. The position will be offered for 2 years with the possibility of extension, starting date is negotiable.

The Max Planck Institute for Evolutionary Biology offers a stimulating and ambitious international working environment. Excellent infrastructure is available at all levels, including a new high-performance computer clusters and high-throughput sequencing core facilities. The MPI collaborates with the nearby Kiel University and the GEOMAR (Helmholtz Centre for Ocean Research). The town of Plön is surrounded by lakes and the Baltic Sea is nearby, offering plenty of opportunity for leisure and outdoor activities. The nearby ports of Kiel and Travemünde provide access to Scandinavia, the closest airports are Hamburg and Lübeck.

The Max Planck Society is committed to also employing handicapped individuals and especially encourages them to apply. The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

Applications should include:

- **A cover letter describing your motivation to work on this project and your relevant experience**
- **A detailed CV**
- **Copies of relevant certificates**
- **The contact details of three academic referees**

Please send the above as a single PDF file to liedvogel@evolbio.mpg.de.

Review of applications will start March 18th, 2019 and will continue until the position is filled. Feel free to contact me for further information.

Dr. Miriam Liedvogel

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