Postdoc position in Evolutionary Genetics available

We seek an enthusiastic Post-doc interested in joining the EvoGen lab (https://tgossmann.github.io/, principal investigator Prof Toni Gossmann) at TU Dortmund University (https://www.tu-dortmund.de/). Our new lab focuses on experimental approaches and data analysis to identify imprints of selection in natural populations, making use of newly available biodiversity data produced through next and third generation sequencing approaches.

Project

What genomic regions are involved in adaptation? While this is a central problem in evolutionary ecology, little is known about the interplay of genetics and epigenetics underlying short-term and long-term adaptation in wild animals. The aim of the project is to address this fundamental knowledge gap by investigating the role of genomic and epigenomic responses in avian species across the species spectrum, using the great tit (*Parus major*) species complex as a model. This study will combine computational approaches (e.g. simulations, bioinformatics) as well as novel sequencing approaches and their data analysis+interpretation.

Requirements and position details

The applicant needs to hold a **PhD** in biology, bioinformatics, molecular biology or a related discipline at time of start date with a background and/or interest in at least one of the following subjects:

- evolution
- third/next generation sequencing
- climate change
- genomics and biodiversity
- disease biology

Anticipated start date is summer semester 2023 (**1.4.2023**), though the exact start date is negotiable. The position is open to National and International applicants (EU and worldwide) and funded for 30 months (TV-L E13, 100%).

Some exposure to statistics and programming is expected, though mastery of specialiased tools is not required and there will be ample opportunity to continue to build and refine your skills through mentorship and collaboration in our lab. Wet-lab (e.g. DNA extraction from tissues) and/or field work experience is a plus.

How to apply

Interested applicants are encouraged to send the following materials:

- Cover letter discussing their interest in science and joining their lab
- CV
- Copies of undergraduate and (if applicable/possible) graduate transcripts
- Contact details of two references

to **Prof. Toni Gossmann** (toni.gossmann@gmail.com) preferably as a **single PDF** including the identifier **Postdoc position Evogen** in the Email subject line. Review of applications will begin 23.1.2023.

About TU Dortmund University

Since its founding more than 50 years ago, TU Dortmund University has developed a special profile encompassing 17 departments ranging from science and engineering to social sciences and culture studies. The university has about 32,843 students and 6,900 employees, including approx 300 professors. TU Dortmund University has a strong focus on research. The university's disciplines, e.g. mechanical engineering with its emphasis on production and logistics, physics, biochemical- and chemical engineering, statistics and computer science, as well as education research, are well known for their outstanding research achievements both nationally and internationally. TU Dortmund University is becoming more and more international. More than 4,000 students from around 115 countries are enrolled here; they make up about 13 percent of all students.