

Job Announcement Ref. #12-23004

The LOEWE Center for Translational Biodiversity Genomics (LOEWE-TBG, <https://tbg.senckenberg.de/>) aims at making the genomic basis of biological diversity accessible for basic and applied research. Building on genome sequencing and analysis, LOEWE-TBG research topics range from comparative genomics, natural products genomics, and genomic biomonitoring to functional environmental genomics. LOEWE-TBG is based in Frankfurt am Main, Germany, and is a joint venture of the Senckenberg Gesellschaft für Naturforschung (SGN), Goethe University Frankfurt, Justus-Liebig-University Giessen and Fraunhofer Institute for Molecular Biology and Applied Ecology.

The **Senckenberg Gesellschaft für Naturforschung** and the **LOEWE-TBG** invite applications for a

Researcher Position (m/f/d)

Conservation Genomics of the Endangered Common Hamster

(65% - full time, 3 years)

Once considered an abundant pest species throughout Eurasian farmlands, the common hamster (*Cricetus cricetus*) has recently been listed as “*critically endangered*” in the IUCN red list. At the species’ western range edge in Germany, hamster populations are rapidly declining, with several regions where the species is already considered extinct. To understand the processes leading to extinction and investigate the role of genetic diversity loss and inbreeding in declining, isolated hamster populations, we have started a project on hamster conservation genomics funded by the federal state of Hesse in the frame of the Lore-Steubing-Institute (LSI). Using noninvasively collected field samples, as well as tissue and museum samples from various collections the candidate will investigate the genomewide population structure of this endangered species, to (i) help understanding genetic factors contribution to population decline and extinction and (ii) inform in-situ and ex-situ conservation strategies for the common hamster.

For the position, candidates on the postdoc level as well as highly motivated PhD candidates are encouraged to apply.

Your tasks

- Generation and analysis of large population genomic data sets
- Coordinating research and communication within a network of international scientists and local hamster experts
- Supervising students
- Publication of results in international journals

Your profile

- Master or PhD degree in Biology, Genetics, Bioinformatics or a related subject
- Solid experience in producing and analyzing genome data (scripting, R, solid understanding of population genomics) {for PhD candidates basic knowledge is strongly preferred}
- Strong interest in wildlife biology/ecology/conservation/genetics
- Teamwork oriented and excellent communication skills in English; basic knowledge of German is an advantage

What is awaiting you?

- An interesting task in a dynamic team of researchers within an international research group and joining the new LOEWE TBG excellence centre with its 20 new research groups
- The possibility to create a network with scientists in interdisciplinary fields in translational biodiversity genomics
- Flexible working hours – dual career service - leave of absence due to family reasons (audit “berufundfamilie”) – parent-child- office – annual special payment – company pension scheme – Senckenberg badge for free entry in museums in Frankfurt – leave of 30 days/year

Place of employment:	Gelnhausen and Frankfurt am Main
Working hours:	65% (for PhD candidates) to full time (40 hours/week)
Type of contract:	The contract shall start as soon as possible and is limited for 3 years
Salary and benefits:	according to the collective agreement of the State of Hesse (pay grade E13)

The Senckenberg Gesellschaft für Naturforschung supports equal opportunity of men and women and therefore strongly invites women to apply. Equally qualified handicapped applicants will be given preference. The employer is the Senckenberg Gesellschaft für Naturforschung.

How to apply

Please send your application, mentioning the reference of this job offer (**ref. #12-23004**) by e-mail to recruiting@senckenberg.de. The application should and include a brief cover letter detailing your research interests and experience (1 page), a CV with publication list and copies of your certificates, transcripts and grades. The application deadline is **July 5th, 2023**.

For scientific information please contact Dr. Carsten Nowak, carsten.nowak@senckenberg.de (conservation genetics) or Prof. Dr. Axel Janke, axel.janke@senckenberg.de (mammal genomics)

