

**Job Announcement Ref. #12-22013**

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

**PostDoc (m/f/d) Position**

**Recolonization genomics of iconic European wildlife**

(full time, 3 years)

Central European landscapes are currently undergoing a stunning refaunation through natural expansion and successful reintroduction of several historically persecuted large vertebrate species. Examples of this rapid return into human-dominated landscapes are both carnivorous (e.g., wolf, golden jackal, lynx, otter), and herbivorous (e.g., European bison, beaver) mammals. While recolonization patterns and current distributions of recolonizing mammals are well known due to effective monitoring, the causes and mechanisms behind this fascinating phenomenon are not fully understood. The postdoc will focus on the genomic consequences of rapid recolonization processes in several large European mammals. Main questions are related to degree and consequences of genetic depletion, inbreeding, anthropogenic hybridization, and rapid adaptation to anthropogenic environments. The postdoc will exploit the large collection of genetic samples present at the Center for Wildlife Genetics (Senckenberg Research Station Gelnhäusen) and collaborate with numerous international partners to produce and analyse large genomic datasets of elusive European wildlife.

**Your tasks**

- Sequencing, assembly and annotation of genomes
- Analysis of large population genomic data sets
- Coordinating research and communication within a network of international scientists
- (Co-)supervising PhD and Master students
- Publication of results in international journals

### Your profile

- PhD in Biology, Genetics, Bioinformatics or a related subject
- Experience with analyzing large genome-wide data sets
- Strong interest in wildlife biology/ecology/conservation/genetics
- Teamwork oriented and excellent communication skills in English

### 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

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

The Senckenberg Gesellschaft für Naturforschung supports equal opportunity for men and women and places an emphasis on fostering career opportunities for women and under represented groups. Qualified women and other under represented groups are strongly encouraged to apply. Equally qualified applicants with disabilities 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. #12-22013**), by e-mail to [recruiting@senckenberg.de](mailto:recruiting@senckenberg.de). The application should 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 **November 20<sup>th</sup>, 2022**.

For scientific information please contact Dr. Carsten Nowak, [carsten.nowak@senckenberg.de](mailto:carsten.nowak@senckenberg.de) (recolonizing mammals, large carnivores, conservation genomics); see also “Genomic Biomonitoring” at <https://tbg.senckenberg.de>.

