

Job Announcement ref. #12-21007

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

Evolutionary Biologist/Ecotoxicologist/Bioinformatician (m/f/d)
(full time position)

About the project

In this LOEWE-TBG project, we want to assess, how anthropogenic substances influence the mutation rate of metazoan organisms. Based on an existing genome-wide mutation rate test, we thus want to develop and introduce new ecotoxicological assessment methods that will be eventually internationally established within the ISO framework. Furthermore, the project encompasses population genomic analyses of the fitness consequences of the applied substances. It is planned to work with several ecotoxicological model species such as *Chironomus riparius*, and *Eisenia fetida*.

Your tasks

- Developing, maintaining and running high-throughput pipelines for the assembly and annotation of *de novo* genomes from diverse eukaryotes
- Organizing and documenting the work-flow from receiving the raw data over issuing the assembled genomes to the client users to archiving in public databases
- Communication with user groups, service providers and external database managers

Your profile

The ideal candidate (m/f/d) commands two or more of the following skills plus the ability and will to acquire the missing one:

- PhD degree in bioinformatics / computational biology, genomics or a related area
- Population genomic experience with individual resequencing data
- Mapping to reference genome, genotype calling, awareness of data quality issues etc.
- Experience with ecological / ecotoxicological experiments
- Programming and / or scripting experience to adjust / improve existing bioinformatic pipelines
- Ability to work in close collaboration with several partners
- Excellent communication skills

What is awaiting you?

- An interesting task in a dynamic team of researchers in an internationally renowned research institution
- The opportunity to gain experience in the above-mentioned research field
- The occasion to build a network with scientists in interdisciplinary fields
- Flexible working hours – annual special payment – company pension scheme – Senckenberg badge for free entry in museums in Frankfurt, the Zoo, botanical garden and Palmengarten – leave of 30 days/year – a subsidized job ticket for public transport.

Place of employment:	Frankfurt am Main
Working hours:	Full time (40 hours/week)
Type of contract:	Initially limited for 2 years
Salary:	According to the collective agreement of the State of Hesse (pay grade E 13)

The contract should **start as soon as possible in 2022** and is **initially limited to two years**. The employer is the Senckenberg Gesellschaft für Naturforschung who supports equal opportunity of men and women and therefore strongly invites women to apply. Equally qualified handicapped applicants will be given preference.

How to apply

Please send your application, mentioning the reference of this job announcement (**ref.#12-21007**) by e-mail until **December 15th, 2021** and include

- a cover letter detailing research interests and experience (maximum 1 page),
- a detailed CV and a copy of your certification (all transcripts and grades)

To: recruiting@senckenberg.de or use our online application form on our homepage www.senckenberg.de.



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