



international infrastructures. More information is available at <http://www.nrm.se/en/forskningochsamlingar/bioinformatikochgenetik.9000580.html>

The Swedish Museum of Natural History (<http://www.nrm.se>) is one of the leading institutions of its kind in Europe. It combines a venerable tradition and unique collections with cutting-edge research in geology, paleontology and biology. The research at the Department of Bioinformatics and Genetics focuses on computational phylogenetics, population genetics and genomics. We run a DNA sequencing facility and host several national and

The Department of Bioinformatics and Genetics is looking for a full time, **lab technician** to join the Insect Biome Atlas project (www.insectbiomeatlas.com). The Insect Biome Atlas is a five-year international project aimed at characterizing the diversity of insects in Sweden and Madagascar. The project uses metabarcoding of thousands of Malaise trap and soil samples to study the size, origins, structure and function of the insect biomes. The IBA is a collaboration between the Swedish Museum of Natural History (Fredrik Ronquist), the Swedish University of Agricultural Sciences (Tomas Roslin), Stockholm University (Ayco Tack), SciLifeLab/KTH Royal Institute of Technology (Anders Andersson), the Madagascar Biodiversity Centre (Brian Fisher, California Academy of Sciences) and Jagiellonian University in Kraków, Poland (Piotr Lukasik).

Responsibilities include (but are not limited to):

- Perform DNA extraction from bulk insect samples
- Perform PCR, including optimization and gel electrophoresis
- Amplicon library preparation for Illumina sequencing
- Prepare buffers
- Ability to efficiently and accurately handle high volume of samples in limited time
- Maintain good time-management and organization
- Maintain good record keeping for all work performed
- Learn and assist with troubleshooting
- Assist with daily routine work in maintenance of lab cleanliness and order
- Report to the designated research team supervisor regarding all daily assigned duties or any issues and concerns related to job performance and safety

Education and work Experience:

- Bachelor's Degree in molecular biology, genetics, or related field. Sufficient previous work history in the listed fields may substitute educational requirements.
- Minimum of 1 year of experience in lab work with hands-on involvement in molecular biology/genetics

Skills Required:

- Knowledge of routine laboratory procedures, including buffer preparation, DNA extraction, DNA purification, PCR (including optimization), running agarose gels
- Good work ethic and attention to detail
- Motivation to learn and apply new techniques and methods
- Knowledge of Word, Excel spreadsheets and basic database management
- Good communication in English

Skills Preferred:

- Experience with metabarcoding lab protocols
- Experience setting up and running experiments

- Experience with library preparation for Illumina sequencing
- Experience working with insects

Starting date. The starting date is 1st of January 2021, or soon thereafter, and the position is for 6 months.

For more information about the position, contact Andreia Miraldo, (andreia.miraldo@nrm.se).

The application should consist of a personal letter and a CV with contact details of 2 references. Mark your application with dnr 4.1.107-2017 and send it to rekrytering@nrm.se **no later than 09th November 2020**.