



Naturhistoriska
riksmuseet

Research assistant/Laboratory assistant

The Swedish Museum of Natural History (NRM) is a world-class research institution and the result of nearly 300 years of research expeditions and collection. Our research encompasses species' relationships and evolution, earth's development, environmental toxins, and human influence in the natural environment. Our collections are a fantastic archive of nearly ten million items. We have many interesting exhibitions as well as Cosmonova. We have the vision to increase our knowledge of nature and inspire responsibility for our world.

The department of Bioinformatics and Genetics (BIO) uses information technology and genetic methods to contribute to the knowledge of life's diversity, the natural environment and our planet. We conduct research within genetics, population genetics and genomics, phylogeny and bioinformatics.

The DNA laboratory is a central facility in NRM that assists researchers in generating genetic data from different plant and animal species. We use laboratory and bioinformatic methods.

Work duties

You will mainly generate genetic data for researchers within the museum. The tasks consist of laboratory work such as DNA extraction, PCR, and preparation of DNA sequencing libraries from botanical and zoological material, as well as from environmental samples. Optimization and modification of analytical methods, as well as post-processing of raw data can also be included in the work tasks. You will participate in the management of the laboratory instruments, as well as the care and maintenance of the laboratory.

Qualifications

You have academic education in biology, biochemistry or equivalent, preferably oriented to molecular biology. You have good knowledge of genetics. Experience working in a laboratory, especially with DNA extraction, PCR and electrophoresis, is a requirement. You are familiar with planning and following laboratory safety routines. Experience working with Next-Generation sequencing (NGS), both practical and theoretical, is merit. Knowledge of data analysis in terminal environment is desirable. Experience of developing and optimizing PCR primers is a big plus. Good language proficiency in English is a requirement, as the laboratory has a significant international component.

Profile

You have good aptitude to plan and organize your work effectively. You enjoy doing routine analyses within clear time frames. We are looking for you who appreciate a high pace of work and work in a careful and structured way. You enjoy working in teams and are interested in developing and optimizing the laboratory's routines and methods together with your colleagues.

Terms of employment

Start of employment as soon as possible, after agreement. The position is a full-time position for twelve months with the possibility of extension.

For more information, please contact Rodrigo Esparza-Salas, Group leader of the DNA laboratory (rodrigo.esparza-salas@nrm.se). Trade union representatives are Ingimar Erlingsson, Saco-S and Anna Sandberg, All can be reached at phone +46 8-519 540 00.

Application

The application should be submitted by **2019-05-17** to rekrytering@nrm.se or the Swedish Museum of Natural History, Box 50007, SE-104 05 STOCKHOLM. It should contain a personal letter and a CV. Mark your application with reference number **dnr 2.3.1-266-2019**.