The Department of Molecular Ecology at Max-Planck-Institute for Chemical Ecology in Jena, Germany is looking for an

Data Manager (Technician)

Our research and molecular biology facility

The overarching research objective in the Department of Molecular Ecology is to identify traits that are important for the Darwinian fitness of an organism in its complex natural environment. To demonstrate the function of these traits we manipulate the organisms' interactions in nature and characterize the ecological consequences using a broad set of chemical, molecular and ecological experimental tools. Our team of scientists focuses on plant-mediated interactions and we have developed a suite of molecular and chemical tools in a native plant that has a rich web of ecological interactions: the wild tobacco plant *Nicotiana attenuata*. The department is well equipped with modern genetic and molecular, as well as analytical methods and runs field stations in Utah and Arizona (USA).

The data management of the department extends through all three of our platforms: molecular, analytical and ecological. The Department is equipped with state-of-the-art instrumentation designed to support the genetic manipulations of genomic targets imputed from QTL mapping efforts, genotyping and molecular characterization of transformed *Nicotiana attenuata* and *Nicotiana obtusifolia* plants. These genetic manipulations include both transient (Virus Induced Gene Silencing: VIGs) and stable (RNAi transformation and CRISPR-Cas9) gene editing, and molecular characterization by microsatellite-based genotyping, NanoString-nCounter diagnostics, PCR and other standard molecular biological techniques.

Your tasks

The candidate will work in close collaboration with the leaders our platforms and our international team of researchers. Tasks include analysis and interpretation of high throughput data from the analytical platforms, QTL mapping, and the maintenance of current genomic and transcriptomic databases. The candidate may be required to assist researchers in conducting experiments, sample preparation and subsequent data analysis processes.

Your profile

We are looking for a highly organized, communicative individual who enjoys problem solving and interacting with an international team of highly motivated scientists. With a strong background in bioinformatics, familiarity working with Linux environment, R, SQL and Python (etc.) are essential, as well as a strong interest in applying your expertise in a state-of-the-art research facility. Excellent English language skills (written and oral) are required for the position.

Our offer

We are looking for an Informatician (f/m Masters in bioinformatics or equivalent qualification/discipline) to join our group at full-time employment with a fixed-term contract of 3 years. We are looking to fill the position by the end of 2019/beginning of 2020 and it will remain open until filled.

Payment follows the German collective wage agreement for government service workers (TVöD-Bund) and depends on qualifications and professional experience. Various fringe benefits in accordance with public service positions are included. The position will offer many opportunities for developing personal skills and independence.

Your application

The Max-Planck Society is an equal opportunity employer and strives to employ both genders equally, as well as to employ more individuals with disabilities. Therefore we encourage all applicants, independent of their nationality, gender or disability, to apply for this position.

Please send your application (as a single pdf file), including a letter of motivation explaining how your qualifications and experience make you a good candidate for this job, as well as two letters of recommendation together with your full CV to: application@ice.mpg.de.

Further reading

Brockmöller, T., Ling, Z., Li, D., Gaquerel, E., Baldwin, I. T., Xu, S. (2017). *Nicotiana attenuata* Data Hub (NaDH): an integrative platform for exploring genomic, transcriptomic and metabolomic data in wild tobacco. BMC Genomics, 18: 79. doi: 10.1186/s12864-016-3465-9.