NGS Bioinformatician for Biomedical Sequencing Facility (m/f/d)

Apply now

The Biomedical Sequencing Facility at the CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences in Vienna is looking for a highly motivated bioinformatician who wants to contribute to the booming fields of precision medicine and genomic methods in biomedical research. The successful candidate will join a group of experienced bioinformaticians and biomedical scientists who are using a wide range of next-generation sequencing technologies (e.g., genome, transcriptome, epigenome and single-cell sequencing) to support world-class biomedical research and clinical collaborations in precision medicine.

Your Profile

- Training in bioinformatics, computer science, genome biology, physics, or another quantitative field (Master and/or PhD)
- Strong programming skills (any language) and experience working with large volumes of data
- Prior experience with next-generation sequencing data and high-throughput bioinformatics is a plus
- High accuracy and reliability in the processing of large-scale data, solid understanding of quantitative methods
- Friendly, collaborative mindset, and motivation to work in an international, interdisciplinary environment
- Team player with strong communication skills and a proactive "getting things done" mentality
- Written and oral communication skills in English (German language skills are not required)

Your Tasks

- Data processing. Manage a constant flow of sequencing data (terabytes per week) being transformed into valuable information
- Data analysis. Work with customers and collaborators on the analysis, interpretation, and visualization of the generated data
- Data management. Develop workflows, databases, and web infrastructure to keep track of data, analyses, and projects
- Software development. Implement cutting-edge software and analysis pipelines for genome data analysis
- Technology development. Contribute bioinformatically to the development of new next-generation sequencing assays
- Training and outreach. Provide customer support, teach collaborating scientists how to analyze their data, help organize workshops
- Optional: Contribution to the Austrian SARS-CoV-2 genome sequencing initiative at CeMM (https://www.sarscov2-austria.org)

- Optional: Getting more deeply involved in individual research projects, lead bioinformatic analyses, contribute to paper writing

The Biomedical Sequencing Facility (https://www.biomedical-sequencing.org/)

The successful candidate will be part of the Biomedical Sequencing Facility (BSF) based at CeMM. The BSF is Austria's first and leading center of expertise for next-generation sequencing in biomedicine. Led by Christoph Bock (https://bocklab.org) and with a dedicated team of staff scientists, the BSF contributes to biomedical research and whole genome medicine in Vienna, Austria, and internationally. The BSF is equipped with the latest technology for high-throughput genomics (Illumina NovaSeq, Oxford Nanopore, 10X Genomics, etc.) and powerful scientific computing infrastructure. The BSF's mandate includes a strong focus on technology development, contribution to study design and bioinformatic data analysis, as well as training and teaching best practices in sequencing technology and genomic medicine. Furthermore, it supports biomedical scientists and clinicians in the development of custom NGS protocols and in the bioinformatic analysis of the resulting datasets.

The Institute (http://www.cemm.at)

CeMM is one of Europe's leading biomedical research institutes. CeMM researchers routinely publish important discoveries in top journals. Over the last seven years, this included >10 papers in Nature/Cell/Science/NEJM and >30 papers in Nature/Cell sister journals – with a team of 120-150 scientists. Research at CeMM is exceptionally collaborative and has strong focus on medical impact, based on a profound molecular understanding of diseases such as cancer and immune disorders. CeMM is part of the Austrian Academy of Sciences and a founding member of EU-LIFE. It is located at the center of one of the largest medical campuses in Europe, within walking distance of Vienna's historical city center. A study by "The Scientist" put CeMM among the top-5 best places to work in academia worldwide (https://www.the-scientist.com/features/best-places-to-work-academia-2012-40676). Vienna is frequently ranked the world's best city to live. It is a United Nations city with a large English-speaking community. The official language at CeMM is English, and >49 different nationalities are represented at the institute. CeMM promotes equal opportunity and harbors a mix of different talents, backgrounds, competences, and interests.

We offer

- Work within an experienced, interdisciplinary, and international team at one of Austria's leading research institutes
- Ample opportunities to contribute and gain experience in a key area of biomedical research and precision medicine
- An inspiring workplace with an international setting, strong team spirit, and an excellent work climate
- A wide range of social, cultural, and sports activities organized by the institute
- Excellent employee benefits including full insurance coverage (health, accident, retirement), health care services, subsidized cafeteria
- Starting annual gross salary of at least EUR 55,000 (the salary will reflect the successful candidate's qualifications and can be higher)
- Flexible start date. Open-ended full-time contact available after an initial trial period. Support for relocating to Vienna is provided

Please apply online (https://cemm.jobbase.io/job/frqtjjc2) with cover letter, CV, academic transcripts, and contact details of 3 referees. Applications will be reviewed on a rolling basis. Any application received

by April 30th 2022 will be considered.

Additional information

City	**Vienna**
Position type	**Full-time employee**
Start of work	**01.06.2022**

Responsible

Memo Mokhles

Apply now