Bioinformatician and Project Leader:
Bioinformatics for Personalized Medicine

We are recruiting a highly motivated computational biologist to work on the future of genomic medicine, with a focus on diagnosing and curing rare genetic diseases. The successful applicant will develop the bioinformatics program of the Ludwig Boltzmann Institute for Rare and Undiagnosed Diseases in close collaboration with Vienna's Biomedical Sequencing Facility, the CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, and the Medical University of Vienna. You will bring hands-on experience working with large genomic or biomedical datasets, a proactive mindset and getting-things-done attitude in a fast-moving field, and the commitment to help shape the future of personalized medicine in Vienna.

Relevant Qualifications
- PhD and/or postdoc experience in bioinformatics, medical informatics, quantitative biology, or a related field
- Strong software engineering skills (any programming language) and experience working with large volumes of data
- A high level of accuracy, reliability, organization skills, and commitment to high-quality bioinformatics service
- Prior experience working in a data-rich biomedical environment is a plus (but not mandatory)
- Friendly, collaborative mindset, ability to multi-task and to work effectively in an international environment
- High motivation to work in one of the fastest-moving and future-oriented areas of biomedicine
- Proactivity, stress resistance, and willingness to lead critical implementation projects in the area of personalized medicine

Typical Tasks
- *Software engineering.* Develop cutting-edge software and analysis infrastructure for genome data analysis and interpretation
- *Data analysis.* Contribute quantitative and analytical expertise to rare diseases research and to clinical diagnostics collaborations
- *Data management.* Establish and maintain databases and web infrastructure to keep track of data, analyses, and projects
- *Training and outreach.* Contribute to scientific and clinical workshop, teaching scientists and physicians how to analyze their data
- *International networks.* Follow global trends in rare diseases and personalized medicine; represent the institute at meetings
- *Project leadership.* Develop a thriving bioinformatics project at the Ludwig Boltzmann Institute for Rare & Undiagnosed Diseases

Ludwig Boltzmann Institute for Rare and Undiagnosed Diseases (http://rarediseases.at/)
The Ludwig Boltzmann Institute for Rare and Undiagnosed Diseases (LBI-RUD) is Austria's leading center for rare diseases research, working in close collaboration with its partner institutions – the CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, the Medical University of Vienna, and the Children's Cancer Research Institute of the St. Anna Children's Hospital. A total number of ~8,000 rare diseases exist and together affect about 1 in 20 people, thus creating a major health concern. Moreover, rare diseases constitute a prime area for personalized medicine and a test case for new methods that will eventually benefit all patients. For example, whole exome sequencing is already clinical practice for diagnosing rare diseases, and the repurposing of existing drugs based on molecular understanding makes it possible to treat a (small but growing) subset of diagnosed cases with personalized therapies. At LBI-RUD, a team of international and multidisciplinary scientists and medical doctors boldly pursue the vision of making rare diseases the poster child of personalized medicine in Austria. Two ERC grants held by LBI-RUD faculty (institute director Kaan Boztug and bioinformatics group leader Christoph Bock) are testament of the high quality of the research. Moreover, LBI-RUD maintains a strong international network of partners.

CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences (http://www.cemm.at/)
LBI-RUD is the partner, spin-off, and direct neighbor of CeMM, an international research institute of the Austrian Academy of Sciences focused on biomedical research and a founding member of EU-LIFE (http://eu-life.eu), the association of leading biomedical research institutes in Europe. CeMM has an outstanding track record of top-notch science (last five years: >10 papers in Nature/Cell/Science/NEJM, >25 papers in Nature/Cell sister journals), medical translation, and start-up companies. With just over a hundred researchers, CeMM provides a truly collaborative (http://cemm.at/career/why-work-at-cemm/collaborative-work-environment/) and personal environment, while maintaining critical mass and all relevant technologies. Research at CeMM focuses on cancer, inflammation, and immune disorders. CeMM 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" **placed CeMM among the top-5 best places to work in academia world-wide** (http://the-scientist.com/2012/08/01/best-places-to-work-academia-2012). 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 more than 40 nationalities are present at the institute. CeMM aims to promote equality of opportunity for all with the right mix of talent, competences and potential.

The salary for this position is paid according to the FWF salary scheme. This is an annual salary of min. 50,000 EUR (gross).

Please apply online (https://cemm.jobbase.io/job/f7p1jiii) with cover letter, CV, academic transcripts, and contact details of three referees. Applications will be reviewed on a rolling basis. Any application received by 10 December 2017 will be considered. Start dates are flexible.