

# Research Technician: Epigenomics, Cell Culture, Cancer (m/f/d)

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Apply now

We are recruiting a **research technician** who wants to contribute to cutting-edge biomedical research in a highly ambitious, collaborative, and international environment. Our lab is based at the **CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences in Vienna**, on the campus of one of the world's largest hospitals.

At CeMM, we take career development of our staff seriously. For example, we will train the successful candidate in **state-of-the-art technologies** that are in high demand in academia, industry, and the medical sector. We encourage contribution to and co-authorship of scientific publications. Importantly, genomic medicine is a hot topic in Austria and internationally, creating a highly promising area for a **career in biomedical research and applications**.

## Your Profile

- Bachelor's or master's degree (or equivalent) with strong wet-lab experience
- High accuracy, reliability, precision under time pressure, and organizational skills
- Very strong motivation and commitment, proactive mindset, getting-things-done attitude
- Prior experience working with molecular biology techniques including cell culture and DNA/RNA assays
- Friendly, collaborative mindset and ability to work well in an international environment
- Written and oral communication skills in English (German language skills are not required)
- Motivation to work in one of the fastest-moving and most future-oriented areas of biomedicine

## Your Tasks

- High-throughput profiling of patient samples, including next generation sequencing, single-cell technologies, and CRISPR screens
- Cell culture and cell-based assays including the cultivation of patient-derived organoids and immune cells
- Optimization and testing of new assays and protocols, e.g. for cancer epigenetics, tumor immunology, and stem cell biology
- Contribution to lab management, training of new lab members, and scientific publications

## The Bock Lab (<http://epigenomics.cemm.oeaw.ac.at/>; <https://twitter.com/BockLab>)

The Medical Epigenomics Lab at CeMM seeks to advance precision medicine through collaborative, technology-driven biomedical research, developing wet-lab and computational methods and investigating the epigenetic (de)regulation underlying cancer and immunity.

- *Single-cell genomics.* Many diseases show deregulation of epigenetic cell states. As members of the [Human Cell Atlas](#), we use single-cell sequencing and human organoids to dissect the gene-regulatory foundations of cancer & immunity.
- *Computational biology.* Bioinformatic methods are essential for advancing biomedical research. We develop algorithms and software for large-scale data analysis, and we pursue clinical collaborations to demonstrate health impact.
- *High-throughput technology.* Many groundbreaking discoveries are driven by new technologies. We invest heavily into technology development, including single-cell sequencing, CRISPR screens, epigenome editing, and synthetic biology.
- *Machine learning.* Huge datasets pose new analytical challenges. As members of the [European Laboratory for Learning and Intelligent Systems](#), we develop methods for interpretable deep learning and artificial intelligence in biology.
- *Immune cell engineering.* CAR T cells have shown dramatic efficacy for blood cancers and may spearhead a broad shift toward personalized, cell-based therapies. We use high-throughput technology to design synthetic immune cells.

Christoph Bock is a Principal Investigator at the CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences and Professor of [Bio]Medical Informatics at the Medical University of Vienna. He is also the scientific coordinator of the Biomedical Sequencing Facility at CeMM and co-founder of a Vienna-based start-up company (Myllia Biotechnology). He has received major research awards, including an ERC Starting Grant (2016-2021), an ERC Consolidator Grant (2021-2026), the Otto Hahn Medal of the Max Planck Society (2009), the Overton Prize of the International Society for Computational Biology (2017), and the Erwin Schrödinger Prize of the Austrian Academy of Sciences (2022).

## The Institute (<http://www.cemm.at>)

The mission of CeMM, the Research Center for Molecular Medicine of the Austrian Academy of Sciences is to achieve maximum scientific innovation in molecular medicine to improve healthcare. At CeMM, an international and creative team of scientists and medical doctors pursues free-minded basic life science research in a large and vibrant hospital environment of outstanding medical tradition and practice. CeMM's research is based on post-genomic technologies and focuses on societally important diseases, such as immune disorders and infections, cancer and metabolic disorders. CeMM operates in a unique mode of super-cooperation, connecting biology with medicine, experiments with computation, discovery with translation, and science with society and the arts. CeMM discovers and develops technologies to explore human biology with the purpose of defeating disease at its roots. Because Science is our Medicine! CeMM trains a modern blend of biomedical scientists and is located at the campus of the General Hospital and the Medical University of Vienna. More than 150 people from 45 nationalities are working at CeMM. 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 35,000 (the salary will reflect the successful candidate's qualifications and can be higher)
- Flexible start date. Open-ended full-time contract available after an initial trial period. Support for relocating to Vienna is provided

Please apply online (<https://cemm.jobbase.io/job/tdtew99q>) with cover letter, CV, academic transcripts, and contact details of 3 referees. Applications will be reviewed on a rolling basis. Any application received by 22 July 2022 will be considered.

#### Additional information

City	Vienna
Position type	Full-time employee
Start of work	01.08.2022

#### Responsible

Memo Mokhles

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