

Master Student in Cardiac Organoid Engineering (m/f/d)

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CeMM (Research Center for Molecular Medicine of the Austrian Academy of Sciences) & **IMBA** (Institute of Molecular Biotechnology) are leading biomedical research institutes located at the heart of Vienna, among a vibrant ecosystem of universities, research institutes, and biotech companies. The project requires a commitment of 9-12 months.

The Project

We offer a master's thesis position jointly supervised by the **Abdel Fattah** lab (CeMM) and the **Mendjan** lab (IMBA). The aim is to further develop next-generation human cardiac organoid models, integrating technology from the recently established **self-organizing chamber-like heart organoids called cardioids** (Hofbauer et al., Cell 2021; Schmidt, Deyett et al., Cell 2023) and the patented **label-free nozzle-free magnetic bioprinting** approach (Abdel Fattah et al., US patent, 2023, US11788057B2; Abdel Fattah et al., RSC Biomat. Sci., 2018).

Your Profile

We work in a dynamic and collaborative environment and look for highly motivated candidates who share our excitement for fundamental discoveries with direct impact on cardiovascular disease - one of the biggest biomedical problems today. The candidate should:

- Enjoy interdisciplinary research at the interface of engineering, biology, and quantitative analysis
- Have experience in cell culture techniques
- Have experience in molecular and/or developmental biology (or other areas such as bioinformatics)
- Enjoy asking exciting research questions
- Have a creative mindset
- Have a strong commitment to excellence in science
- Enjoy working both independently and in a team
- Have good organizational, analytical, and communication skills (in English)

About the Institutes

CeMM

CeMM is an international research institute of the Austrian Academy of Sciences and a founding member of EU-LIFE. 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. 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, aging 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. CeMM is a proud recipient of the HR Excellence in Research Award (HRS4R). This award indicates that CeMM takes care of the well-being of its employees, that the recruitment process is open, fair, and transparent, and that CeMM offers professional appraisals and career development procedures. More than 150 people from 47 nationalities are working at CeMM. The institute promotes equal opportunity and harbors a mix of different talents, backgrounds, competences, and interests. www.cemm.at

IMBA

IMBA is an academic research institute that conducts basic research in the areas of molecular biology and medicine. We are located in the [Vienna BioCenter](#), a dynamic cluster of research institutes, universities and biotech companies, in the heart of Europe.

IMBA fosters creativity. All our scientists - from established, world-class experts to promising, new talents - follow their visions with the utmost financial and technical support. These resources give our scientists the freedom to develop new approaches, design innovative technologies, create novel model systems – and make groundbreaking discoveries.

IMBA especially helps our young scientists on their path towards excellence in research. Key assets of IMBA include an outstanding infrastructure, a world-renowned team of interdisciplinary scientists, and a vibrant and synergistic environment in one of the world's top-ranked places to work and live.

<https://www.oeaw.ac.at/imba/>

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
- Monthly gross salary of EUR 1.379,60 for 20 hours/ week (following the [recommendations of FWF](#))
- Support for relocating to Vienna is provided (relocation reimbursement, visa support, etc.)

Please apply online (<https://cemm.onlyfy.jobs/job/iy0nira0>) with cover letter, CV, certificates (high school & university Diploma/grades) and contact details of 2 referees. Any application received by July 16th 2026 will be considered.

Additional information

City

Vienna

Position type

Part-time employee

Start of work

01.09.2026

Responsible

Memo Mokhles

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