

Technical Assistant in Mucosal Immunology (m/f/d)

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The newly established laboratory of Clarissa Campbell at CeMM, the Research Center for Molecular Medicine of the Austrian Academy of Sciences in Vienna, is recruiting a highly motivated Technical Assistant to join an international team working in the field of immunology and metabolism. The lab is interested in investigating how changes in microbial and organismal metabolism contribute to regulate immune cell function. In your role as Technical Assistant you will be involved in setting up the laboratory, you will be responsible for the lab organization and you will contribute with your technical skills and research experience to the success of the Campbell research group.

Clarissa Campbell is looking for a dedicated Technical Assistant to help set-up an own independent research laboratory in an interdisciplinary and international research institute. After receiving the appropriate training, the new team member will independently carry out experiments using mouse models and cell culture-based techniques. In addition, the new group member will be a part of individual as well as group meetings to deepen the understanding of the scientific directions in the field of immunology and metabolomics.

Your profile

- Degree in life sciences (BSc, MS., Mag, DI) or equivalent training (HBLVA Rosensteingasse, etc.)
- Eager to join a young team and be trained in new techniques and science of mucosal immunology
- Qualified laboratory experience in molecular and cellular biology and/or immunology
- Experience with cell culture and/or mouse handling is a plus
- Experience with basic molecular biology (e.g. PCR)
- Experience with microbiology (plating and growing bacteria) desired
- Excellent written and oral communication skills in German and English
- High accuracy and reliability, able to work seamlessly in a team
- Excellent communication skills and organizational skills

Your tasks

- Laboratory organization, ordering of laboratory consumables
- Molecular biology, such as cloning or preparation of next-generation sequencing libraries
- Cell Isolation and cell sorting of primary immune cells from different tissues (mouse, human)
- Immune cell functional assays, such as T cell activation/polarization
- Phenotyping of immune cells using multicolor flow cytometry
- Running ELISAs, Luminex and other enzymatic assays
- Mouse models, gnotobiotic husbandry

The Laboratory

The goal of the laboratory Clarissa Campbell is to understand how immunity and metabolism are integrated at the organismal level. Adaptive lymphocytes of higher vertebrates play an essential

role in immunity and perform extensive accessory functions that contribute to tissue homeostasis. Although the fundamental operative principles of immune cells are well characterized, many functional mechanisms still lack contextualization in physiological settings and therefore fail to yield novel concepts and therapeutic avenues. The team will be investigating how metabolic cues affect the differentiation and function of T cells. The studies focus on the intestinal mucosa, where T cells are exposed to a myriad of microbial metabolites and dietary nutrients. They also want to understand how changes in organismal metabolism that occur as a consequence of gastrointestinal infections impact immune responses. The group will be using gnotobiotic husbandry, engineered bacterial strains, metabolomics and experimental infection to identify novel mechanisms contributing to the regulation of T cell function in physiological settings.

<https://cemm.at/research/groups/clarissa-campbell-group/>

About the Institute

CeMM is a unique biomedical institute in the heart of Vienna, Austria. The mission of CeMM is to achieve maximum scientific innovation in molecular medicine to improve healthcare. An international and creative team of scientists and medical doctors from more than 45 nations 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 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 trains a modern blend of biomedical scientists to make great contributions. The goal is to pioneer the science that nurtures the precise, personalized, predictive and preventive medicine of the future. The working language is English. We welcome applications from candidates with diverse backgrounds.

We offer

We offer an interesting and challenging position in a meaningful, inspiring, and international setting, with an excellent work climate and the possibility to join our social (cultural or sports) activities. Benefits include full health insurance, company health care, and a daily bonus for the in-house cafeteria. This position offers a competitive salary and is remunerated with a minimum yearly gross salary of € 31000 on a full-time base (40 hours/week). The definite salary will be based on education and working experience.

Application details

We offer a great working environment for passionate scientists and an attractive employee benefits package.

Please click on the apply now-button below or visit this link:

<https://cemm.jobbase.io/job/hpw29gvs> to apply online with your application documents (cover letter, CV and names and contact details of 2 referees).

Application deadline is 25.05.2021 and the starting date will be 01.07.2021

Additional information

City **Vienna**

Position type **Full-time employee**

Start of work **01.07.2021**

Responsible

Memo Mokhles

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