Msc Student (m/f/x) in Tumor Immunology (Barbara Maier group)

The Maier laboratory at CeMM, the Research Center for Molecular Medicine of the Austrian Academy of Sciences in Vienna, is recruiting a highly motivated Msc Student to join our team of international scientists working in the field of tumor immunology & cancer immunotherapy. We are looking for a candidate with a background in immunology, molecular biology or computational biology. A commitment of 12 months is required for this position. The project will include both wetlab and computational methods, therefore, we are looking for a candidate with a strong drive to acquire wetlab as well as drylab skills.

The Position

Our team is looking for a passionate Msc student to support an ongoing project on dissecting premetastatic alterations in tumor-draining lymph nodes. Tumors release systemic and lymph-borne signals that trigger the formation of a so-called premetastatic niche in distant tissues. We are focusing on the premetastatic niche in the tumor-draining lymph node as the tissue where anti-tumor immunity is orchestrated. In this project, we aim to understand what molecular changes as well as spatial rearrangements occur in tumor-draining lymph nodes upon tumor progression; how those alterations compromise anti-tumor immunity; and how we can manipulate the lymph node to restore anti-tumor T cell responses.

Your tasks in this position will include:

- Establish and test high-dimensional imaging panels (e.g. for imaging mass cytometry)
- Computational analysis of high-dimensional images and/or single cell RNA sequencing data
- Isolation of primary immune cells from different tissues (mouse, human)
- Molecular biology techniques, such as cloning and lentiviral transduction

After receiving the appropriate training, the new Msc student will independently carry out experiments using high-dimensional imaging and cell culture-based techniques. In addition, the new group member will be a part of individual as well as group meetings to deepen their understanding of the background and current scientific directions in the field of tumor immunology and cancer immunotherapy.

We offer:

- close mentoring in a small, highly cooperative lab environment
- the chance to contribute to a high impact scientific publication
- training in various cutting-edge wetlab and drylab immunology techniques
- becoming a part of an international team that values diversity, inclusion, and a positive work environment
- monthly gross salary of EUR 1.073,7, full health insurance, company health care, and a daily bonus for the in-house cafeteria

The Candidate:

- Currently pursuing a Msc degree in life sciences
- Eager to join a young team and be trained in new techniques
- Strong interest in the field of tumor immunology
- Experience with basic molecular biology (e.g. cloning and PCR) or computational methods
- Excellent written and oral communication skills in English
- High accuracy, reliability and independence, able to work seamlessly in a team

Your Application:

Interested candidates are encouraged to upload their application documents (including a cover letter, a CV, and contact details of two references) online at www.cemm.at.

Closing date for applications: 15 Oct. 2023