



Master Thesis in Cancer Biology & Tumor Immunology

Two Master Thesis Positions in “Cancer Biology” and “Tumor Immunology” are available at the **Center for Cancer Research (Medical University of Vienna)**.

Research Area:

The **Herndler-Brandstetter Lab** (<https://krebsforschung.meduniwien.ac.at/en/focus/tumor-biology/herndler-brandstetter-lab/>) is using highly innovative mouse models to investigate the cellular and molecular mechanisms of how immune cell subsets affect tumor growth, metastasis and therapy resistance. We aim to identify new immunomodulatory approaches for colorectal cancer patients by using cutting-edge technologies, such as patient-derived tumor xenografts (PDXs), humanized mouse models (MISTRG-6; <https://pubmed.ncbi.nlm.nih.gov/37296949/>), scRNA-seq, 40-color flow cytometry, cell sorting, *in vivo* imaging and 7-color multiplex immunohistochemistry.

Requirements:

- Bachelor in biology, biotechnology, immunology, pharmacy or a related discipline
- High level of self-motivation, curiosity and collaborative mindset
- High accuracy in scientific work
- Proactive approach to discussing and addressing research questions
- Excellent verbal and written communication skills in English
- Work experience is a plus (e.g. molecular biology, mouse handling)

We offer:

- A Master Thesis Position in an internationally competitive research environment at the Center for Cancer Research located at the Vienna Medical Campus
- A highly supportive, friendly and inspiring lab team atmosphere
- Access to state-of-the-art technologies (scRNA-seq, humanized mouse models, 40-color flow cytometry, cell sorting, *in vivo* imaging and multiplex IHC)
- A stipend for the duration of the Master Thesis

Application Details:

Applications should be written in English and contain:

- Curriculum vitae & letter of motivation
- Synopsis of your bachelor thesis (max. 1 page)
- Transcripts (a list of all courses including grades; Master – until now; Bachelor; Matura & final High School year)
- Name and contact details of your Bachelor or Internship supervisor

Application Deadline: Interviews on a rolling basis

Please send your application documents in one single PDF file (< 5 MB) to Dr. Dietmar Herndler-Brandstetter: dietmar.herndler-brandstetter@meduniwien.ac.at.