



Master Thesis in Cancer Molecular Biology

Location:
Vienna

Research group:
Sabine Taschner-Mandl Group

Working hours:
Full-time

To strengthen our excellent research team, which is focused on the development and research of innovative approaches for the treatment of childhood cancer, we are looking for a Master Student (m/f/d) in the field of Cancer Cell Biology/Multi-modal Microscopy. In this responsible role, you will have the unique opportunity to be part of a multidisciplinary competence center for pediatric oncology and to have a direct influence on the development of new cancer therapies and diagnostics.

The Taschner-Mandl group tackles unresolved questions of neuroblastoma pathogenesis and develops new diagnostic and therapeutic approaches to facilitate precision medicine for children with malignant tumors. We study determinants of inter- and intra-tumor heterogeneity and metastasis in neuroblastoma by combining molecular biology and computer-based research (e.g. Weiss T *et al.*, *Nat Comm* 2021, Lazic D *et al.*, *Cancers*, 2021). This project, will investigate temporal and spatial tumor cell plasticity in childhood cancer using a multi-modal imaging workflow including immunofluorescence microscopy and imaging mass cytometry. Learn more about our research topics at <https://www.ccri.at/sabine-taschner-mandl-group/>

As a Master student, you will

- Join an exciting, multi-disciplinary environment with lots of support for your personal and professional development from your supervisor, team, and peers
- Obtain experience in biology and automated microscopy while optimizing sample preparation and imaging workflows for the analysis of consecutive tumor sections
- Learn to take on ambitious research in close interaction with bioimaging experts and biologists towards establishing new diagnostic assays
- You will provide thorough and creative thinking that makes these projects a success and bring in your own ideas and expertise.

Your profile

- Bachelor degree in a relevant subject (biology, molecular biology, or similar)
- Laboratory experience, preferably in the preparation of tumor sections, immunostaining and/or microscopy
- Excellent verbal and written communication skills in English (German not required)
- Proactive personality and enthusiasm as well as determination, independent working ability and creativity
- Willingness to learn and a structured working style, problem solving attitude
- Good teamplayer

Our offer

- A meaningful, inspiring, and international environment
- An outstanding working atmosphere in a strong team with excellent research and development opportunities
- Access to state-of-the-art infrastructure
- Flexible working hours, discounted lunch and other great benefits
- Great location in the center of Vienna, a capital of biomedical research in Europe with excellent quality of life
- A 12 months contract and monthly allowance of € 485,85

Who we are

The St. Anna Children's Cancer Research Institute (CCRI), located in the center of Vienna, the world's most livable city and one of Europe's most important places for biomedical research and life sciences, is an international and multidisciplinary competence center striving to improve treatment of children and adolescents with cancer by connecting translational and clinical research with open-minded exploration of basic disease mechanisms. Through close cooperation between clinic and research, the CCRI provides an ideal environment for cutting-edge research and its translation into clinical practice. To achieve our ultimate goal of advancing the well-being of patients, the CCRI constantly pushes scientific boundaries and strongly promotes close collaboration and exchange with external institutions like the Medical University of Vienna, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, the Institute of Molecular Biotechnology of the Austrian Academy of Sciences (IMBA) and the Institute of Molecular Pathology (IMP).

The CCRI is an equal opportunity employer. We value diversity and are committed to providing a work environment of mutual respect to everyone without regard to ethnicity, religion, national origin, age, gender identity or expression, disability, or any other characteristic protected by applicable laws, regulations and ordinances.

Find more information here: <https://science.ccri.at/> or <https://kinderkrebsforschung.at/>.

Your application

We are looking forward to your application! Applications should at least contain your Curriculum Vitae, a motivation letter, the contact details of two references and - if applicable - list of publications.

Apply now