



St. Anna Kinderkrebsforschung  
CHILDREN'S CANCER RESEARCH INSTITUTE



## Postdoc (m/f/d) in the field of mechanisms of tumor cell plasticity

**Location:**  
Vienna

**Research Group:**  
Molecular Biology of Solid Tumors

**Workig hours:**  
Full-time

Tumor cell plasticity is the basis of cancer progression and metastasis. A better understanding of the underlying molecular mechanisms may allow tailoring of effective anti-metastatic treatments. Fluctuations in driver oncogene expression has recently been identified to promote the invasive and metastatic potential of Ewing sarcoma, a highly aggressive bone cancer in children and adolescents.

Funded by the Austrian Science Fund FWF, we seek to explore causes and consequences of oncogene fluctuations in Ewing sarcoma, and to identify therapeutic agents blocking EMT-like transitions and consequently progression of this devastating disease.

We are looking for a curious **molecular biologist at post-doctoral level** to explore and target mechanisms of tumor cell plasticity by employing a broad spectrum of high-throughput genomic, functional, and cell biological techniques.

### **As a postdoc, you will**

- Join the Molecular Biology of Solid Tumors group at CCRI, led by Heinrich Kovar
- Plan and perform genetic perturbation experiments in vitro and in vivo, and analyze functional consequences using cutting-edge molecular and imaging technologies
- Apply a broad spectrum of cell biology, molecular biology, and omics methods
- Bring in your own ideas and expertise to make the project your own
- Interpret, present, and discuss your results with biologists and clinical researchers locally and internationally
- Independently monitor the literature and community resources to keep abreast with latest developments and to identify information, data, and methods to integrate in your own work
- Write papers, visit conferences, review papers, apply for fellowships, and contribute to grants
- Contribute to the supervision of junior group members

### **Your profile**

- PhD in a relevant life sciences subject (molecular biology, biotechnology, genomics, pharmacy, etc.)
- At least one year of postdoctoral experience
- At least two first-author publications in reputable journals
- Good knowledge of and prior experience in cancer biology and/or developmental biology
- Extensive experience with state-of-the-art cell culture, molecular biology, gene editing and omics technologies
- Experience with genomic/epigenomic technologies is desirable
- Excellent verbal and written communication skills in English (German not required)
- An exceptional level of curiosity, enthusiasm, determination, and creativity

### **Our offer**

- A three-years-contract for a challenging position in 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 in our canteen and other great benefits
- Great location in the center of Vienna, a capital of biomedical research in Europe with excellent quality of life
- A fair and attractive salary package according to the Austrian Science Fund FWF (<https://www.fwf.ac.at/en/research-funding/personnel-costs/>)

## **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, the Technical University and the University of Natural Resources and Life Sciences, 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 Molecular Biology of Solid Tumors Group at CCRI performs predominantly basic research with the aim of translating clinical observations into molecular patterns, and molecular patterns into diagnostic/prognostic tools and novel treatment options. Since many years, we have been focusing on understanding the molecular etiology of pediatric bone sarcomas. There is an urgent need for new treatment options for these very malignant cancers in children and adolescents. The ultimate goal of our research is the development of novel disease models that allow for preclinical testing and optimization of innovative therapies.

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 race, color, 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**

Please send your application via email to Prof. Heinrich Kovar, [application@ccri.at](mailto:application@ccri.at). Applications should at least contain your Curriculum Vitae, a motivation letter, list of publications (please mark / explain your three top contributions), and the contact details of three references. Applications will be reviewed on a rolling basis. The position shall remain open until a suitable candidate is found. The start date for the position is in spring 2021.