



Postdoc (f/m/d) - Image-based drug response profiling for myeloid leukemia

Location:

Vienna

Research group:

Michael Dworzak Group

Working hours:

Fulltime

Are you passionate about research that directly benefits patients? Join our translational research team and help shape the future of pediatric leukemia treatment through image-based drug profiling.

We're looking for a dedicated Postdoc to join our research team, where science meets clinical relevance. You will work directly with patient-derived samples to test drug responses - contributing to science that makes a difference. This is a hands-on, high-responsibility role with meaningful outcomes for young patients.

What makes our team unique is our close collaboration across research groups and our strong connection to the St. Anna Children's Hospital. You'll be part of a dynamic, enthusiastic team where everyone contributes to a shared mission. This position offers purpose-driven, application-oriented work with room to shape projects and contribute your own ideas.

Find more information of our research group [here](#).

Your responsibilities

- Maintenance and further development of a computational pipeline for drug response profiling in pediatric AML
- Development of advanced computer vision models for pipeline improvements: <https://doi.org/10.1016/j.xcrm.2025.102304>
- Multi-omics analysis including high-throughput data from image-based drug screens
- Engagement in an existing skilled technical team for sample processing and wetlab assay optimization
- Data interpretation and reporting for drug screens on individual patients

Your profile

What you bring for this position:

- PhD in a relevant subject, e.g. molecular biology, bioinformatics or related field
- Strong data analysis and coding skills in Python
- Experience with pediatric leukemias or precision oncology
- Experience with biological image analysis and machine learning for computer vision
- Excellent communication skills
- Excellent verbal and written English language skills (German is not required)

Our offer

Does this sound interesting? This is our offer to you:

- A challenging role in a meaningful, inspiring, and international environment
- An outstanding working atmosphere in a young and dynamic team
 - find more information on [Kununu](#) and [Glassdoor](#)
- 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
- An 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 (St. Anna CCRI), located in the center of Vienna, the most livable city in the world and one of the most important sites for biomedical research in Europe. St. Anna CCRI is a multidisciplinary and internationally networked center of excellence whose goal is to contribute to a sustainable improvement in the cure rates of childhood and adolescent cancers through innovative research and development. Due to the close cooperation between clinic and research, St. Anna CCRI offers the ideal environment for cutting-edge research at a high international level and its implementation in clinical practice. and its translation into clinical practice.

St. Anna 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, colour, 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://ccri.at/>

Your application

We are looking forward to your application! Applications should contain:

- Curriculum Vitae
- Cover letter detailing your motivation
- List of publications (explain your most important contributions)
- Contact details of 2-3 scientific references
- Short proposal (max. 1 page) for a research project you would like to pursue would be welcome

The application deadline ends on **31.12.2025**. Applications will be reviewed on a rolling basis until the position is filled.

[Apply now](#)