

Our profile: The childhood leukemia research group at the University Children's Hospital (UKBB) & Department of Biomedicine (DBM), University of Basel functionally studies genetic alterations that are involved in the development, maintenance and relapse of acute myeloid leukemia (AML). We use various models to study the cellular and molecular mechanisms that induce and maintain AML (Stavropoulou *et al.* Cancer Cell, 2016, Leonards *et al.*, Nat Commun 2020, Piqué *et al.* Blood, 2023). Our multi-disciplinary approach allows the student learn and master several techniques ranging from various cell culture models, histology and high-resolution imaging, viral gene transfer, multi-parameter flow cytometry, *in vivo* experiments, NGS-applications and bioinformatic data mining.

Your profile: We are looking for a highly motivated and outstanding PhD candidate that holds a master's or MD degree with genuine interest in cancer research. The applicant should have a curiosity-driven attitude, demonstrating enthusiasm for science and be able to work independently but also being a good team player. The ability to work with animals is a plus, and previous experimental experience in molecular biology and flow cytometry is expected. Basic knowledge in bioinformatics using R and/ or GraphPad Prism is desired. Fluency in spoken and written English is mandatory.

The Department of Biomedicine of the University Hospital Basel (<https://biomedizin.unibas.ch/en/>) hosts over 30 different research groups and offers an international stimulating and friendly atmosphere in an attractive culture-rich city in the middle of Europe. Our PhD students are enrolled in a joint program in Biomedicine associated with Molecular and Cellular Biology PhD-program offered by the Biozentrum of the University of Basel. More information can be found at <https://biomedizin.unibas.ch/en/education-careers/phd/>.

The position is open upon negotiation. For further inquiries and submission of your application documents (motivation letter, CV with contact details of 2-3 referees, copies of master diploma or MD degree and summary of master thesis (one page)) please contact j.schwaller@unibas.ch.