

Master's Project at the Regensburg Center for Interventional Immunology (RCI)

The group of **Christian Schmidl** (<http://www.rcii.de/forschung/nachwuchsgruppen/dr-christian-schmidl/>) at the RCI is looking for a highly motivated student interested in exploring new treatment options for chronic lymphocytic leukemia (CLL), one of the most common leukemias in the western world.

The Project — You will employ ex vivo drug treatment of primary patient cells with new compounds that are provided via a collaborating pharmaceutical company. Your tasks include:

- Establishing cell culture conditions for primary patient cells
- Ex vivo drug treatment of CLL cells
- Measurement and analysis of apoptosis/viability/proliferation of treated cells
- Investigation of the molecular changes of cell states caused by drug treatments using western blot, FACS, and next generation sequencing approaches such as ATAC-seq/RNA-seq.

The Candidate — We are looking for a highly motivated master student who wants to work in a young and ambitious team, and fits the following profile:

- Bachelor in molecular biology/biochemistry/molecular medicine or related fields.
- Training in molecular cell biology
- Keen interest in using state-of-the-art technology (i.e. next generation sequencing)
- Strong interest in immunology, leukemia, and molecular biology

The Institute/Lab — The RCI Regensburg Center for Interventional Immunology (<http://www.rcii.de/en/>) was established in 2010 as a central unit of Regensburg University in order to tie all academic research areas related to the development of new immunotherapies. The RCI aims at researching, developing, and quickly applying improved therapies against cancer, infections, autoimmune diseases as well as in the field of organic and stem cell therapy.

The Christian Schmidl lab provides a dynamic and motivating working environment with flat hierarchies where you can foster your skills and get the opportunity to learn cutting-edge technologies. The small lab size offers excellent mentoring and gives you the opportunity to work on a medically highly relevant topic.

Application Details — If you want to become part of our team and join the RCI please compile an application package containing

- A cover letter
- Your CV
- Contact details of two referees

and **submit your application to: christian.schmidl@ukr.de**

Applications will be reviewed on a rolling basis. The starting date is flexible in summer/autumn 2019.