



University of  
Zurich<sup>UZH</sup>



**Master Thesis Position in Immunology**  
**Prof. Anne Müller Group**  
**Institute of Molecular Cancer Research**

**Background**

Regulatory T cells (Tregs) are a subpopulation of the CD4<sup>+</sup> helper T cells with the vital role of promoting self-tolerance and preventing excessive effector T cell responses. Specifically in the gastric-intestinal tract, gut microbiota, dietary antigens and infectious bacteria affect the Treg repertoire.

**Project outline**

For this Master thesis, we would like to investigate how microbial and infectious bacteria stimuli affect the Tregs subsets. To address this, we will mainly use *in vivo* approaches such as *Helicobacter pylori* and *Citrobacter rodentium* infection, as well as antibiotic treatment.

**Techniques you will learn**

Animal work, flow cytometry analysis, bacterial infections

**We are looking for** someone who is highly motivated, interested in immunology and comfortable with mouse work. Ideally, the student would join our lab 12 months starting as soon as possible.

Interested candidates should send their CV and a motivational letter to [zhang@imcr.uzh.ch](mailto:zhang@imcr.uzh.ch)