

## **Analysis of the human antigen-specific T cell response in health and disease**

Referent: Prof. Alexander Scheffold

Antigen-specific lymphocytes are the drivers of adaptive immune responses protecting us from infections but which may also cause immunopathologies, if not properly controlled. I will give an overview how antigen-specific T cells (particularly CD4 T helper cells and regulatory T cells) can be identified and characterized. I will introduce the technology we have developed in the lab to identify T cells reacting against autoantigens and environmental antigens including pathogens. I will provide examples how we are using this technology to characterize human T cells involved in tolerance and immunopathologies or infections.