

University Hospital Aachen - Department of Gastroenterology and Hepatology

Project: Recognition of intestinal commensals by regulatory and effector T cells.

PhD position in life sciences (TV-L E13/50%) available in the Department of Gastroenterology and Hepatology, University Hospital Aachen from October/November 2010. The position is funded by the DFG (German research foundation) for three years.

Tolerance to food antigens and commensal bacteria is of pivotal importance to maintain immunological homeostasis in the intestine. Disturbance of tolerance leads to food allergies and inflammatory bowel diseases. We seek to study antigen-specific T cell responses towards floral bacteria and plan to analyse whether the strain specific nature of different commensals is critical for effector T cell vs. regulatory T cell induction.

We are offering a scientifically stimulating surrounding with communicative atmosphere. All technical facilities required for basic molecular biology, cell biology, microbiology, and immunology are available. The laboratory is equipped with several microscopes, Real-time PCR machines, 8-colour FACS, Cell sorter, large animal facilities etc.

Applicants should have a **master** (or equivalent) in biology, biochemistry, human or veterinary medicine or other life sciences. Skills in molecular biology, biochemistry, microbiology, and immunology would be helpful. We hope that candidates show interest in commensal bacteria and gastrointestinal immunology and are team players openness as well as enthusiastic for research lab work.

Please send application by email to [gsellge@ukaachen.de](mailto:gsellge@ukaachen.de) or by mail to  
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\*<http://jobs.uni-hd.de>

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