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Klinische Mikrobiologie,
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The laboratory „Balancing innate immunity“ (Prof. Dr. med. Roland Lang) at the Institute of Clinical Microbiology, Immunology and Hygiene of the University Hospital Erlangen offers a PhD position (TV-L E13/65%) to study host determinants of resolution or chronic inflammation in *Coxiella burnetii* infection.

Research in the Lang lab investigates how the immune system generates resistance to infection without causing excessive inflammation. This implies a need for efficient sensing of microbes, production of inflammatory cytokines that direct adaptive immune responses, and regulatory mechanisms to prevent immunopathology and to achieve resolution of inflammation.

The DFG-funded PhD position (E13/65%) to be filled is part of a collaborative project with the group of PD Dr. Anja Lührmann on bacterial and host factors controlling the course of Q-fever, a zoonotic infection caused by the intracellular pathogen *Coxiella burnetii*. We have recently established a new mouse model for Q-fever and will in ongoing work determine the function of Myd88- and IFN γ -dependent genes for control and resolution of the infection.

The project belongs to the Collaborative Research Center (CRC) 1881 “Checkpoints for Resolution of Inflammation” at the Friedrich-Alexander Universität Erlangen-Nürnberg.

We are looking for highly motivated candidates holding a Master degree in the Life Sciences with a strong interest in immunology, molecular biology and infection biology. Practical experience in cell culture and mouse models would be advantageous.

Please send your application (including CV, letter of motivation, contact information of references, and list of publications) to roland.lang@uk-erlangen.de

Lab homepage:

<http://www.mikrobiologie.uk-erlangen.de/en/research-teaching/research-groups/research-group-of-prof-roland-lang/>
