



## PhD Position in Innate Immunity



The Institute of Nutritional Medicine, Department of Immunology at the University Hohenheim, Germany is recruiting a PhD student to work in the field of Innate Immunity in the laboratory of Prof. Thomas Kufer. The position is available immediately for a duration of three years.

The research interest of the Department is to understand the mechanisms used by the innate immune system to combat infection. In particular we are interested to decipher the mode of activation and the molecular signalling induced by a group pattern recognition receptors and regulators, the NLR-proteins.

Members of the NLR family contribute to innate immune responses towards bacteria and viruses as well as to the regulation of MHC gene expression. Our lab has characterized NLRC5 and shown that this NLR protein acts as a transcriptional regulator of MHC class I expression (Neerincx, et al. Journal of Immunology 2014 and 2012). Using molecular analysis combined with cell-biological approaches as well as the use of knock-out mice, this project aims to further our understanding of this pathway and to clarify potential additional roles of NLRC5 in innate immune signalling.

The successful applicant will hold a master-degree or equivalent qualification in immunology, cell-biology or a related discipline. Basic research experience in the field molecular biology, immunology or biochemistry is required. The applicant should have a strong background in cell-biology, immunology and biochemistry. A high level of motivation for scientific wet lab work as well as good English speaking and writing skills are expected.

Written applications including motivation letter, current CV, copies of academic certificates and the names of at least two professional referees should be emailed until the 15<sup>th</sup> of October as a single PDF document to [p.retzbach@uni-hohenheim.de](mailto:p.retzbach@uni-hohenheim.de) .

The salary is based on the Public Sector Collective Agreement, along with your employment and social benefits. The position will be located in Hohenheim, Germany. The University Hohenheim is an equal opportunity employer and encourages and welcomes interest from persons with a disability.

More information on our research and lab can be obtained at <https://immu.uni-hohenheim.de/>.