



## PhD Student (f/m) in Molecular Immunology

### Role of the Ca<sup>++</sup>/Calcineurin/NFAT-Signaling network in allergic skin reactions

We offer a PhD student position (starting 01.01.2019) for highly motivated candidate at the department of Pathology, University of Würzburg. The project is funded by IZKF and will be conducted in close collaboration with department of Dermatology (PD Dr. Andreas Kerstan). In this project, we would like to elucidate the Role of the Ca<sup>++</sup>/Calcineurin/NFAT-Signaling network in allergic skin reactions. Characterization of different immune cells involved in allergic skin reactions will be delineated with particular focus on molecular mechanisms. We showed previously that the Ca<sup>++</sup>/Calcineurin/NFAT signaling network plays a crucial role in B and T cell activities by regulating differential genes (Alrefai *et al.*Nat.Comm.2016; Klein-Hessling *et al.*Nat.Comm.2016, 2017, Muhammad *et al.*Front.Imm.2018). Our laboratory uses a wide variety of molecular, cellular, immunological and transgenic techniques in a highly motivating environment. The selected candidate will be embedded within highly successful structured doctoral training program of the Graduate School of Life Sciences.

A successful applicant should have strong background in Immunology along with working knowledge of basic techniques like FACS, cell culture, molecular biology and/or regulation of gene expression. Applicant should be willing to work with animal models and adoptive cellular transfer models and/or microscopy. Excellent communication skills, fluency in English and the ability to work independently and together with a team are highly desired. Applications from severely handicapped persons with similar qualification will be given priority. Compensation will be according to German TVL 13/65% for 3 years.

Interested applicants should send their electronic application as single PDF including a brief cover letter describing their research experiences and motivation, updated CV, and names of two potential referees until 25.11.2018 to:

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