



PhD student position in Immunology at the University of Lübeck, Germany

 [Universität zu Lübeck; Deutschland;](#)  [Luebeck, Germany](#)

Our Laboratory of Immunology at the University of Lübeck works on the development and function of antibodies. IgG antibodies are not only effector molecules of pathogenic and pro-inflammatory immune responses but can also be mediators of tolerogenic immune responses such as regulatory T cells. The inhibitory function is mediated through a specific kind of IgG Fc glycosylation. Our laboratory has discovered that antigen-specific sialylated IgG antibodies can be used to inhibit pro-inflammatory immune responses in an antigen-specific manner (Oefner et al, JACI 2012, 129(6):1647-1655; Karsten et al, Nature Medicine 2012, 18(9):1401-1406; Hess et al, JCI 2013, 123(9):3788-3796; Strait et al, Nature 2015, 517(7535):501-504; Epp et al, JACI 2018, 141 (1):399-402.e8; Bartsch et al, Front Immunol 2018, 9:1183). Accordingly, we also produce our own monoclonal antibodies with different glyco-forms to investigate their potential in different autoimmune, allergy, vaccination and transplantation models.

For upcoming research projects to investigate how differentially glycosylated pro-inflammatory or immunosuppressive IgG antibodies develop and function in human and mice in the context of autoimmunity, allergy or vaccination against pathogens and tumors, we are looking for a highly motivated PhD student candidate.

Please contact Prof. Marc Ehlers (email: marc.ehlers@uksh.de) for further informations and application (via email).

How to apply:

via email: marc.ehlers@uk-sh.de

Activities and responsibilities

You would also work with mice.

Qualification profile

We are looking for a highly motivated PhD student candidate. Experience with mice and flow cytometry would be good.

Send application to

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