

Munich/Neuherberg, Feb 17th 20

Master's Thesis „Pathophysiology of chronic lung disease in STAT3-hyper IgE syndrome“ in collaboration with Stöger lab (ILBD/CPC)

Translational Immunology at the Institute of Environmental Medicine (IEM) located at Helmholtz Zentrum München offers a master's thesis in biology, biomedicine or comparable fields. Our group focuses on a better mechanistic understanding of the STAT3-hyper IgE syndrome (STAT3-HIES) with the ultimate goal to cure this devastating disease. STAT3-HIES is a primary immunodeficiency that causes high susceptibility to life threatening infections, particularly of the lung. Within this thesis project the pathophysiology of inflammation triggered lung injury will be studied in a STAT3-HIES mouse model.

You are:

- A highly motivated and self-organized student of biology, biomedicine or comparable field
- A team player and a critical thinker
- Enthusiastic in learning

We offer:

- To work in a highly motivated team under close supervision on a translational project with high clinical relevance
- Collaborative work with the group of Tobias Stöger at ILBD/CPC
- Possibility to get hands-on experience in a broad spectrum of well-established methods: analysis of mouse models for inflammatory lung disease, isolation and characterization of pulmonary immune cells (BAL), flow cytometry, quantitative real-time PCR, cell culture, transcription factor/TransAM DNA-binding assay, stereological lung morphometry, (immuno)histology

Please send your application containing a motivation letter, CV, transcript of records to: beate.hagl@helmholtz-muenchen.de

Kind regards,

Beate Hagl

and the whole team of Translational Immunology

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