

Job Announcement

PhD Position in Nano-Immunology

University of Freiburg, Germany

The laboratory of Molecular Immunology of the Excellence Cluster of Biological Signalling Studies (BIOSS) is looking for a PhD student who is interested to learn more about the nanoscale organization of lymphocyte membranes. The project aims at investigating how different classes of the B cell antigen receptor (BCR) and B cell coreceptors are regulated by their nano-environment and organized inside protein islands on the membrane of resting B lymphocytes. The candidate should have a solid theoretical and practical knowledge in cell biology and immunology and experience in cell culture and cell sorting. She/he will join a small international team that is using and developing novel techniques to study the nanoscale organization of receptors on either normal or tumor B cells such as human leukemia and lymphoma. She/he will also be part of the integrated research training group of the Transregio 130 (<http://www.trr130.forschung.uni-erlangen.de/index.php/en/home.html>)

The University of Freiburg and BIOSS are offering optimal working conditions, ample lab space and technological support and an active signaling research community. This position is available from November 2017 in the laboratory of Prof. Michael Reth, Biology III, Faculty of Biology, University of Freiburg and director of BIOSS, Freiburg, Germany.

<http://www.bioSS.uni-freiburg.de/de/molecular-immunology/reth-lab/>

The position is funded by project P05 of the TRR130 till June 30, 2021

Applications which should include a detailed CV and a letter of motivation and scientific track record should be sent **exclusively per email as one single pdf file** to

Christine Ehler: christine.ehler@bioSS.uni-freiburg.de

Deadline for application is October 15, 2017.

Publications:

1. Kläsener K, Maity PC, Hobeika E, Yang J, Reth M. (2014). B cell activation involves nanoscale receptor reorganizations and inside-out signaling by Syk. *Elife* 3: e02069.
2. Maity PC, Yang J, Kläsener K, Reth M. (2014). "The nanoscale organization of the B lymphocyte membrane." *Biochim Biophys Acta* **1853**(4): 830-840.
3. Maity PC, Blount A, Jumaa H, Ronneberger O, Lillemeier BF, Reth M. (2015). B cell antigen receptors of the IgM and IgD classes are clustered in different protein islands that are altered during B cell activation. *Sci Signal* 15 (8).