

Liebe Kolleginnen und Kollegen,  
das Institut für Experimentelle Infektionsforschung des Twincore lädt herzlich ein zum TGIF Seminar als Parallelsession der VPM Tage am

Donnerstag, 17. September 2015  
um 16:00 Uhr in der Bibliothek des Twincore

Es spricht:

Prof. Dr. Thorsten Buch  
Leiter des Instituts für Labortierkunde der Universität Zürich

zum Thema:

“Adressing T cell development: Bringing ES cells, Cre and Cas9 to use”



Thorsten Buch is Head of the Institute of Laboratory Animal Science in Zurich. From 2001 to 2003 he was postdoctoral fellow in the lab of Irmgard Förster and Ari Waisman at the University of Cologne. Afterwards he became Group Leader at the Institute of Genetics at the University of Cologne (2003-2005) and at the Institute for Experimental Genetics in Zurich (2006-2010).

His research focuses on elucidating tolerance mechanisms and the development of autoimmune diseases.

His lab utilizes advanced technologies for the development of new transgenic mouse models. Prof. Buch will give his perspective T cell development using novel mouse models.

#### Recent publications

- Locatelli G, Baggiolini A, Schreiner B, Palle P, Waisman A, Becher B, Buch T. Mature oligodendrocytes actively increase in vivo cytoskeletal plasticity following CNS damage. *J Neuroinflammation*. 2015 Apr 2;12:62.
- Prazeres da Costa O, Hoffman A, Rey JW, Mansmann U, Buch T, Tresch A. Selection of higher order regression models in the analysis of multi-factorial transcription data. *PLoS One*. 2014 Mar 21;9(3):e91840.
- Sledzińska A, Hemmers S, Mair F, Gorka O, Ruland J, Fairbairn L, Nissler A, Müller W, Waisman A, Becher B, Buch T. TGF- $\beta$  signalling is required for CD4<sup>+</sup> T cell homeostasis but dispensable for regulatory T cell function. *PLoS Biol*. 2013 Oct;11(10):e1001674.