



**The Transregional Collaborative Research Centre TRR130
welcomes you to the:**

**2nd International Symposium on
“B cell responses in immunity and autoimmunity“**

Conference Venue:

Main lecture hall of the Biology faculty, Biology building,
University of Freiburg, Schänzlestr. 1 D-79104 Freiburg

Registration:

Monday 30 September, 8:00 – 10:00 h

Poster Session:

Biology Building, University of Freiburg
Schänzlestr. 1 D-79104 Freiburg

Tuesday 1 October, 17:30- 20:00 h

Congress Party:

Peterhofkeller, Niemensstr. 10, 79098 Freiburg

Tuesday 1 October, 20:00 h

2nd Symposium
“B cells responses in immunity
and autoimmunity”



Programme

Monday

30th September 2019

8:45 **Welcome and introduction**
Michael Reth, Freiburg, Germany

Session 1: B cell development and the BCR repertoire *Chairs: Hassan Jumaa*
Wolfgang Schuh

9:00 **Control of Ig Recognition Capacity**
Duane Weseman, Boston, USA

9:35 **Antibody diversification through non-VDJ insertions**
Kathrin De la Rosa, Berlin, Germany

10:10 **Tolling with B1-Cell Activation**
Nicole Baumgarth, Davis, USA

10:45 Coffee Break

Session 2: B cell signalling (1) *Chairs: Michael Reth*
Raluca Niesner

11:15 **Regulation of B cell receptor (BCR) spatial organization, BCR signaling and B cell activation by actin remodeling proteins**
Michael Gold, Vancouver, Canada

11:50 **Distinct functions of Vav family members in B cell antigen receptor signaling**
Niklas Engels, Göttingen, Germany

12:25 **Tetraspanins: molecular organizers of the B cell surface**
Annemiek van Spriel, Nijmegen, Netherlands

13:00 Lunch

Session 3: B cell signalling (2)

*Chairs: Lars Nitschke
Jürgen Wienands*

14:15 **Molecular insights into the role of protein tyrosine phosphatase PTP1B in B cell antigen receptor signaling**

Bettina Warscheid, Freiburg, Germany

14:50 **Life and Death of B cells**

Victor Tybulewicz, London, UK

15:25 **Quantification of cytoplasmic calcium in vivo reveals dynamic signaling in B cells and heterogeneity among plasma cells**

Anja Hauser, Berlin, Germany

16:00 Coffee Break

Session 4: B cells in infections and allergies

*Chairs: David Vöhringer
Margitta Worm*

16:30 **Human B Cell Memory to Malaria**

Hedda Wardemann, Heidelberg, Germany

17:05 **Germinal center-like B cells in chronically inflamed tissues**

Andreas Hutloff, Berlin, Germany

17:40 **Cooperation between B cells and T cells in CNS autoimmunity**

Scott Zamvil, San Francisco, USA

18:15 **Shaping lymphocyte responses to the microbiota**

Oliver Pabst, Aachen, Germany

20:00 Speakers Dinner

Tuesday

1st October 2019

Session 5: Germinal Centres

*Chairs: Hermann Eibel
Guido Heine*

9:00 **Roles of epigenetic modification in B cell tolerance**

Tomo Kurosaki, Osaka, Japan

9:35 **The Evolution of anti-DNA Autoantibodies in Germinal Centres**

Thomas Winkler, Erlangen, Germany

10:10 **Pax5 controls B cell immunity by regulating PI3K signaling**

Meinrad Busslinger, Vienna, Austria

10:45 Coffee Break

Session of the IRTG: PhD student talks

*Chairs: Andrea Maul-Pavicic
Kathrin Kläsener*

11:15 **Regulation of B cell development and responsiveness to antigens by the lipid phosphatase Pten**

Corinna Setz, Ulm, Germany

11:35 **Antigen dependent internalization and modulation of the B cell antigen receptor**

Melanie Siedler, Freiburg, Germany

11:55 **Assessing mitochondrial metabolism in B cells**

Sophia Urbanczyk, Erlangen, Germany

12:15 **The influence of PI3K signaling and BCMA signaling on memory plasma cell survival**

Rebecca Cornelis, Berlin, Germany

12:35 Lunch

Session 7: B cell metabolism

*Chairs: Dirk Mielenz
Hyun-Dong Chang*

14:00 **The GSK3/beta-Catenin pathway in B cell metabolism and development**

Julia Jellusova, Freiburg, Germany

14:35 **Imaging and manipulating nutrient micro-milieus as B cells effect humoral immunity**

Mark Boothby, Nashville, USA

15:10 **Recall Responses to Flaviviruses**

Deepta Bhattacharya, Tuscon, USA

15:45 Coffee Break

Session 8: B cell Memory

*Chairs: Klaus Warnatz
Thomas Dörner*

16:15 **Pattern recognition and peripheral B cell tolerance: Lessons from age-associated B cells**

Mike Cancro, Philadelphia, USA

16:50 **The organisation of immune memory by bone marrow stromal cells**

Andreas Radbruch, Berlin, Germany

17:30 **Poster Session**

20:00 Congress Party

Wednesday
2nd October 2019

Session 9: Plasma cells

*Chairs: Henrick Mei
Bimba Hoyer*

9:00 **Control of Plasma cell Differentiation**
Hans-Martin Jäck, Erlangen, Germany

9:35 **Assessing the Population Dynamics of Long-lived Antibody Secreting Cells**
David Tarlinton, Melbourne, Australia

10:10 **Integrated protein and organelle homeostasis in plasma cells**
Simone Cenci, Milano, Italy

10:45 Coffee Break

Session 10: Autoimmunity

*Chairs: Reinhard Voll
Falk Hiepe*

11:15 **Modulation of PI3K is required for both central and peripheral B cell tolerance**
Roberta Pelanda, Denver, USA

11: 50 **Anti-transglutaminase 2 autoantibodies in celiac disease**
Ludvig Sollid, Oslo, Norway

12:25 **IgG antibodies exhibit limited protection against food allergy and are derived from different B cell clones than IgE antibodies**
Rudolf Manz, Lübeck, Germany

13:00 Farewell and end of the meeting