

Monday, 15. February 2021

13:00 Welcome & General Assembly

Chair: Klaus Warnatz

13:45 Ellen McAllister (Project Jellusova)
The interconnection of signalling and metabolism in B cell development and activation

14:15 Sophia Urbanczyk (Project Mielenz)
Selection for functional mitochondria in B cells

14:45 Bettina Röder (Project Nitschke)
Siglec-G controls the severity of B-cell Chronic Lymphocytic Leukemia

15:15 Break

15:30 Round Table Discussions

17:30 Dinner

18:30 Kathrin Kläsener (Freiburg)
CD20 as a gatekeeper of the resting state of human B cells

19:00 Roberta Pelanda (Aurora, CO, USA)
Central tolerance of human B cells: Should I Stay or Should I Go?

20:00 Meet-the-Guest-Speaker

21:00 End of Day 1

Tuesday, 16. February 2021

Chair: Henrik Mei

13:00 Violeta Block (Project Eibel)
Polymorphic variants change activity and function of human BAFF-R

13:30 Jens Wittner (Project Jäck/Schuh)
Loss of Krüppel-like factor 2 (KLF2) results in IgA deficiency

Tuesday, 16. February 2021

14:00 Dirk Mielenz (Erlangen)
TFG is required for autophagy flux and to prevent endoplasmic reticulum stress in CH12 B lymphoma cells

14:30 In parallel:
Assembly project investigators
Assembly PhD students

15:15 Break

15:30 Poster Session

1. Timm Amendt (Project Jumaa)
The role of IgD BCR during late B cell development and humoral immunity

2. Valerio Renna (Project Jumaa)
The physiological role of IgD and its involvement in the CD19–CXCR4 signaling circuit

3. Michael Schmidt (Project Nitschke)
Sialic acids are crucial for B-cell survival and protect against complement attack

4. Paul Haase (Project Vöhringer)
Influence of the IL-4 receptor on and fate-mapping of germinal center B cells during helminth infection

5. Kathryn Payne (Project Warnatz)
Germinal center B cells in common variable immunodeficiency (CVID)

6. Huda Jumaa (Project Jellusova)
GSK3 inhibition via stabilized β -Catenin drives B cell proliferation and metabolism in a context dependent manner

7. Padmavathy Ramanarayanan
(Project Worm/Heine)
Impact of vitamin A and D on B cell migration and survival

17:30 Dinner

18:30 Eirini Sevdali (Freiburg)
Differences in BAFFR signaling and responses between naive and switched memory B-cells in humans

19:00 Mark Shlomchik (Pittsburgh, PA, USA)
Control of extrafollicular vs germinal center B cell responses

20:00 Meet-the-Guest-Speaker

21:00 End of Day 2

Wednesday, 17. February 2021

Chair: Michael Reth

13:00 Nina Gleußner (Project Winkler)
The role of plasma blasts in the development of autoantibodies

13:30 Rebecca Cornelis (Project Radbruch/Chang)
Stromal cell contact-induced PI3K/FoxO1/3 signaling prevents cell death of memory plasma cells

14:00 Antonia Niedobitek (Project Mei/Dörner)
Distinct plasma cell subsets reside in the human bone marrow

14:30 Carolin Ulbricht (Berlin)
Cytoplasmic calcium levels as an indicator for metabolic activity of plasma cells

15:00 Break

15:15 Michel Nussenzweig (New York, NY, USA)
Development of antibody responses in mice and humans

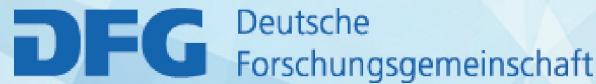
16:15 Meet-the-Guest-Speaker

17:15 Farewell

Table 1 Plasma cells <ul style="list-style-type: none"> • Andreas Radbruch • Reinhard Voll • Kathryn Payne • Padmavathy Ramanarayanan • Michael Schmidt • Antonia Niedobitek • Niema Gleußner 	Table 2 B cell memory <ul style="list-style-type: none"> • Anja Hauser • Thomas Winkler • Violeta Block • Eirini Sevdali • Rebecca Cornelis • Bettina Röder 	Table 3 Metabolism <ul style="list-style-type: none"> • Julia Jellusova • Dirk Mielenz • Sophia Urbanczyk • Asyikhan Rakhymzhan • Katharina Pracht • Timm Amendt 	Table 4 Cell sorting <ul style="list-style-type: none"> • Wolfgang Schuh • Hyun-Dong Chang • Jens Wittner • Andrea Maul-Pavicic • Paul Haase • Marta Ferreira-Gomes 	Table 5 Human neutralizing Antibodies <ul style="list-style-type: none"> • Raluca Niesner • Hans-Martin Jäck • Huda Jumaa • Valerio Renna • Kathrin Kläsener • Ellen McAllister
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Table Moderators

Supported by:



**Immunity and Autoimmunity (TRR130)
B cells and beyond (IRTG)**

The DFG has been supporting the collaborative research center grant Transregio 130 (TRR130) „B cells: Immunity and Autoimmunity“ since 2013. The research consortium, which assembles B cell immunologists from academic institutions in Freiburg, Berlin, Göttingen, Ulm and Erlangen, aims to better understand the function and dysfunction of B cells.

In particular, members of the TRR130 examine mechanisms that control the activation of B cells and the production of protective antibodies. The consortium also aims to elucidate how B cells with autoreactive antigen receptors are activated to produce tissue-destructing auto-antibodies with the long-term goal to develop new therapeutic strategies against antibody-mediated autoimmune diseases (e.g., rheumatoid arthritis or systemic lupus erythematosus).

An integrated research training group “B cells and beyond” was established within the TRR130 to train highly skilled and internationally competitive immunologists and to foster interactions within and between the five participating cities. The program consists of strong research and training modules as well as a mentoring and career development concept. In addition, the IRTG provides platforms, e.g., the annual B Cell Winter School as well as Interregional and local B cell clubs for an intensive exchange between TRR130 members.

Contact

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8th B Cell Winter School
Integrated Research Training Group
B Cells and Beyond
 February 15 - 17, 2021
 Online Meeting

