13th B Cell Forum

February 19 - 21, 2015

Hitzacker, Elbe
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PROGRAM/GENERAL INFORMATION

MEETING SCHEDULE

- February, 19: Registration will start at 15:00
- February 21: Farewell Lunch / Departure at 11:30

ORAL PRESENTATIONS

- All talks will be **10 minutes** plus 5 minutes discussion (exception: keynote speakers)
- Please hand in your PowerPoint presentation on a USB stick before or during the break before your session.
- Sorry, no personal laptops can be used for presentation.

POSTER PRESENTATIONS

- Posters should be printed in size A0
- Posters should be mounted on February 19 between 15:00 and 19:00
- Poster presentation will begin on February 20 at 18:30
PROGRAM

Thursday, February 19, 2015

15:00 – 19:00 Registration and Poster Setup
15:30 – 16:50 Get-together (coffee and cake)
16:55 Welcome (Jürgen Wienands)

Session I: B cell memory, germinal centers and T follicular helper cells
Chair: Thomas Winkler / Hyun-Dong Chang

17:00 Andreas Hutloff, Berlin
ICOS maintains the T follicular helper cell phenotype by downregulating Krüppel-like factor 2

17:15 Michael Meyer-Hermann, Braunschweig
Overcoming the dichotomy of quantity and quality of germinal centre output

17:30 Thomas Winkler, Erlangen
Adoptive immunotherapy with memory B cells - A Phase I/IIa clinical trial for patients after hematopoietic stem cell transplantation

17:45 – 18:10 Break

Keynote Lecture
Chair: Rudolf Manz

18:10 – 19:10 Surprise Speaker
19:30 Dinner (Buffet)
Friday, February 20, 2015

07:00 – 8:45  Breakfast

Session IIa: B cell development, signaling and activation
Chair: Jürgen Wienands / Ari Waisman

8:45  Jianying Yang, Freiburg
      The dissociation activation model of B cell activation

9:00  Dirk Mielenz, Erlangen
      Quantification of surface receptor clustering by flow cytometry

9:15  Bernd Schröder, Kiel
      Processing of CD74 by the intramembrane protease SPPL2a is critical for PI3K/Akt signaling in developing B cells

9:30  Christian Kosan, Jena
      The transcription factor 'Myc interacting zinc finger protein 1' is a key regulator for B cell development and activation

9:45  Kristin Schröder, Lübeck
      The anaphylatoxin C5a drives pathogenic IgG auto-antibody formation in an active model of experimental epidermolysis bullosa acquisita

10:00 Coffee Break
Session IIb: B cell development, signaling and activation
Chair: Andreas Radbruch / Rudi Hendriks

10:30 Edgar Serfling, Würzburg
The Transcription Factor NFATc1 Affects the Fate of Peripheral B Cells by Controlling their Aerobic Glycolysis

10:45 Glen Pearce, Dresden
The Role of SWAP70 in DNA Repair and Cancer

11:00 Alexander Weber, Tübingen
Oncogenic MyD88 mutations in B cell malignancies

11:15 Jürgen Wienands, Göttingen
Absence of CIN85 expression presents with X-chromosome-linked antibody deficiency in humans

11:30 Nadine Hövelmeyer, Mainz
Over-Expression of an Alternative Splice Variant of the Negative NFkappaB Regulator CYLD Leads to the Development of B-CLL in Mice.

12:00 Lunch

Session III: B cell ontogeny and dynamics of B cell homeostasis
Chair: Edgar Meinl / Lars Nitschke

14:00 Franziska Fettke, Magdeburg
The effect of pregnancy hormones and trophoblast-derived factors on IL-10 producing regulatory B cells

14:15 Alice Muggen, Rotterdam
Dynamics in B cell subset and B cell repertoire distribution during human aging

14:30 Martina Przekopowitz, Essen
Ontogeny, differentiation and function of human mature CD5+ B cells

14:45 Katharina Bröker, Lübeck
Non-classical complement activation regulates the peritoneal B1 cell compartment

15:00 Martin Lipp, Berlin
The transcriptional coactivator Bob1 regulates the development of TFH cells
15:30 – 17:30  Elbe /Hitzacker Walk

17:30  Meeting Study Group Biology of B Lymphocytes

18:30  Poster Session and Dinner (Buffet)

20:45  Concession of poster award

21:00  Party
### Saturday, February 21, 2015

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<th>Time</th>
<th>Session IVa: Plasma cells, antibody production and autoimmunity</th>
<th>Presenter</th>
<th>Title</th>
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<tr>
<td>8:45</td>
<td>Edgar Meinl, München</td>
<td>The immunoregulator soluble TACI is released by ADAM10 and reflects B-cell activation in autoimmunity</td>
<td></td>
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<tr>
<td>9:00</td>
<td>Odilia Corneth, Rotterdam</td>
<td>Dysregulated Btk expression in peripheral blood B lymphocytes in systemic autoimmune disease</td>
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<tr>
<td>9:15</td>
<td>Simon Eschweiler, Lübeck</td>
<td>Development of differentially glycosylated antibodies</td>
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<tr>
<td>9:45</td>
<td>Break</td>
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### Session IVb: Plasma cells, antibody production and autoimmunity

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<tr>
<td>10:15</td>
<td>Stefanie Schmidt, Berlin</td>
<td>Towards a synthetic niche for memory plasma cells</td>
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<td>10:30</td>
<td>Britta Frehse, Lübeck</td>
<td>Increased c-mpl dependent megakaryopiesis controls plasma cell formation in lupus</td>
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<tr>
<td>10:45</td>
<td>Claudia Berek, Berlin</td>
<td>Eosinophils promote the generation and maintenance of IgA plasma cells</td>
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<td>11:30 – 13:00</td>
<td>Farewell Lunch /Departure</td>
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1. **Caren Bartsch**, Göttingen
*Regulation of intracellular B cell antigen receptor signalling events by a recombinant soluble FcγIIB receptor*

2. **Alexander Beller**, Berlin
*Development and survival of IgA+ plasma cells in peyer’s patches of eosinophil-deficient mice*

3. **Julia Bischof**, Lübeck
*Establishment of an infrastructure for the analysis of the B cell immune repertoire: application to the analysis of B cell subpopulations in auto-immune blistering dermatoses*

4. **Kathrin Brenker**, Freiburg
*Photo-Caging of the Spleen Tyrosine Kinase*

5. **Katharina Bröker**, Lübeck
*Non-classical complement activation regulates the peritoneal B1 cell compartment*

6. **Eva-Maria Cox**, Mainz
*B cell specific overexpression of Akt leads to expansion of marginal zone B cells*

7. **Marjolein de Bruijn**, Rotterdam
*Regulatory role for Tec Kinase in B cell immunity*

8. **Kai Dittman**, Göttingen
*mb1-Cre-controlled ablation of Shp2 (Ptpn11) causes metachondromatosis*

9. **Asmaa El Beidaq**, Lübeck
*Can diet affect the B cell receptor repertoire diversity in mice?*

10. **Niklas Engels**, Göttingen
*The extracellular membrane-proximal domain of membrane-bound IgE restricts surface expression and signaling of mIgE-BCRs*
11. Simon Eschweiler, Lübeck
   The development of pro-inflammatory agalactosylated IgG antibodies is dependent on the pro-inflammatory cytokines IFN-γ and IL-17

12. Stephanie Gläsener, Hannover
   Human neonatal B cell subpopulations are intrinsically immature

13. Matthias Hahn, Mainz
   Over-expression of an alternative splice variant of the negative NFκB regulator CYLD leads to the development of B-CLL in mice

14. Juliane Hobusch, Lübeck
   Allergen-specific immunotherapy (SIT) induce sialylated immune-suppressive IgG antibodies

15. Bimba Hoyer, Berlin
   Differential B and plasma cell homing mechanisms in inflamed kidneys of NZB/W F1 mice

16. Andreas Hutloff, Berlin
   Local T/B cooperation in inflamed tissues is supported by a unique population of B helper T cells distinct from T follicular helper cells

17. Kathrin Kläsener, Freiburg
   B cell activation involves nanoscale receptor reorganizations and inside-out signaling by Syk

18. Alexei Leliavski, Lübeck
   Identifying molecular pathways that govern the development of tolerogenic plasma cells in vivo

19. Christopher Link, Lübeck
   The impact of IL-10 on IgE-mediated food allergy

20. Anna Lollies, Essen
   The AP-1 transcription factor BATF3 is aberrantly expressed in classical Hodgkin lymphoma and contributes to tumor cell survival and proliferation

21. Dirk Mielenz, Erlangen
   Quantification of surface receptor clustering by flow cytometry
22. Lavanya Mokada Gopal, Erlangen
   Functional characterization of STAT6-regulated genes in B cells and their impact on the Germinal Centre response

23. Alice Muggen, Rotterdam
   Dynamics in B cell subset and B cell repertoire distribution during human aging

24. Zane Orinska, Borstel
   CD37-specific monoclonal antibodies as a tool to target B cells

25. Lamia Özgör, Erlangen
   Effects of Epratuzumab, a monoclonal antibody targeting human CD22, on B cell function in human CD22 knock-in mice

26. Katharina Pracht, Erlangen
   Function of miR-148a in mature plasma cells

27. Dorothea Reimer, Erlangen
   Regulation of Lymphocyte Adhesion and Migration by Swiprosin-1/EFhd2

28. Marta Rizzi, Freiburg
   Treatment with tofacitinib alters human B lymphocyte development and function

29. Julia Schmid, Erlangen
   miR-148a – a key regulator in plasma cell differentiation?

30. Stefanie Schmidt, Berlin
   Towards a synthetic niche for memory plasma cells

31. Maren Schmidt, Göttingen
   Global transcriptional amplification by Myc in B lymphocytes: an assay to detect selective up- and downregulation of specific Myc target genes.

32. Verena Schmitt, Erlangen
   IL-36α is expressed in B lymphocytes and activates synovial like fibroblasts
33. **Heike Schmitt**, Erlangen
   *The role of Siglec-H in autoimmunity and during infection*

34. **Kristin Schröder**, Lübeck
   *The anaphylatoxin C5a drives pathogenic IgG auto-antibody formation in an active model of experimental epidermolysis bullosa acquisita*

35. **Wolfgang Schuh**, Erlangen
   *The role of KLF2 and KLF4 in generation, homing and survival of plasma cells in vitro and in vivo*

36. **Kathrin Schulz**, Göttingen
   *Absence of CIN85 expression presents with X-chromosome-linked antibody deficiency in humans*

37. **Simar Pal Singh**, Rotterdam
   *Characterization of novel mouse cell lines to study the role of B-cell receptor signaling in development of Chronic Lymphocytic Leukemia*

38. **Merle Stein**, Erlangen
   *Function of the protein Swiprosin-2/EFhd1 in early B lymphocyte development*

39. **Sandra Tretow**, Berlin
   *Molecular interference of vitamin A and D receptors in B lymphocytes*
**LEGENDplex™ Multi-Analyte Flow Assay Kits**

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<td>Inflammation (13-plex) - NEW</td>
<td>Th9 (3-plex)</td>
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