

2nd Annual Meeting of the Upper Rhine Immunology (URI) Group

October 19, 2018

Albert-Ludwigs-Universität, Kollegiengebäude I, Aula
Platz der Universität 3
79098 Freiburg

Program

09:00 – 09:30 **REGISTRATION, POSTER SET-UP, COFFEE AND SNACKS**

09:30 – 09:45 [Welcome and Announcement of 6 Poster Prizes](#)
Bodo Grimbacher (Freiburg) and Wolfgang Schamel (Freiburg)

09:45 – 10:30 [Surprise Speaker](#)

10:30 – 11:15 **COFFEE BREAK AND POSTER PRESENTATION 1-18**

SESSION I

Chairs: Gennaro de Libero (Basel) and Reinhard Voll (Freiburg)

11:15 – 11:30 [Undiscovered resident CD4 T cell memory arises during influenza A infection](#)
Daniel Kirchmeier (Group Carolyn King)
Department of Biomedicine, University of Basel

11:30 – 11:45 [Lymphoid neogenesis in kidneys during lupus: involvement of CXCR3-expressing T cells](#)
Romain Veber (Group Hélène Dumortier)
IC2T, IBMC, Strasbourg

11:45 – 12:00 [NKp46 Calibrates Tumoricidal Potential of Type 1 Innate Lymphocytes by Regulating TRAIL expression](#)
Gleb Turchinovich (Group Daniela Finke)
Department of Biomedicine, University of Basel

12:00 – 12:15 [Specificity versus redundancy of skin Langerhans cells in TSLP-driven T follicular helper cell differentiation in mouse atopic dermatitis](#)
Pierre Marschall (Group Mei Li)
IGBMC, Strasbourg

12:15 – 12:30 [Nano-Scale Microfluidics to Study 3D Chemotaxis at the Single Cell Level](#)
Corina Frick (Group Matthias Mehling)
Department of Biomedicine, University of Basel

12:30 – 14:00 **LUNCH BREAK AND POSTER PRESENTATION**
12:30 – 13:15 POSTER PRESENTATION 1-18
13:15 CHANGE OF POSTERS
13:15 – 14:00 POSTER PRESENTATION 19-36

SESSION II

Chairs: Bodo Grimbacher (Freiburg) and Christopher Mueller (Strasbourg)

- 14:00 – 14:15 [The baffling modes of BAFF-receptor interactions and signaling](#)
Cristian Roberto Smulski (Group Hermann Eibel)
CCI, Medical Center – University of Freiburg
- 14:15 – 14:30 [Interferon lambda: A modulator of B cell humoral immune response](#)
Mohammedyaseen Syedbasha (Group Adrian Egli)
Department of Biomedicine, University of Basel
- 14:30 – 14:45 [Kidins220 regulates the generation of \$\lambda\$ light chain B cells](#)
Anna-Maria Schaffer (Group Susana Minguet)
BIOSS Centre, University of Freiburg
- 14:45 – 15:00 [Effects of JAK inhibition on physiological and pathological B-cell development](#)
Natalie Frede (Group Marta Rizzi)
Department of Rheumatology and Clinical Immunology, Medical Center – University of Freiburg
- 15:00 – 15:15 [Embryonic hematopoiesis modulates the inflammatory response and larval hematopoiesis in *Drosophila*](#)
Pierre Cattenoz (Group Angela Giangrande)
IGBMC, Strasbourg
- 15:15 – 16:00 **COFFEE BREAK AND POSTER PRESENTATION 19-36**

SESSION III

Chairs: Susan Chan (Strasbourg) and Jean Pieters (Basel)

- 16:00 – 16:15 [The role of TFEB in the metabolic reprogramming of macrophages](#)
Ev-Marie Schuster (Group Angelika Rambold)
MPI-IE, Freiburg
- 16:15 – 16:30 [Functional autophagy is required for homeostasis maintenance and survival of Langerhans cells](#)
Florent Arbogast (Group Pauline Soulas-Sprauel/ Christopher Mueller)
IC2T, IBMC, Strasbourg
- 16:30 – 16:45 [Distinct progenitor lineages contribute to the heterogeneity of plasmacytoid dendritic cells](#)
Patrick Rodrigues Fernandes (Group Roxane Tussiwand)
Department of Biomedicine, University of Basel
- 16:45 – 17:00 [Lipid lowering in established atherosclerosis dampens macrophage proliferation in atheroma](#)
Simon Rauterberg (Group Ingo Hilgendorf)
University Heart Center Freiburg – Bad Krozingen
- 17:00 – 17:15 [Key role for human bone marrow primary endothelial cells in the latest phase of megakaryocyte differentiation](#)
Camille Jost (Group François Lanza)
EFS-INSERM, Strasbourg
- 17:15 – 17:30 [6 Poster Prizes](#)
Bodo Grimbacher (Freiburg) and Wolfgang Schamel (Freiburg)
- 17:30 – 17:45 [Closing Remarks](#)
Gennaro de Libero (Basel)
- 17:45 – 19:00 **GET TOGETHER**

Poster Presentation

1. [B cell engineering with the CRISPR/Cas9 method](#)
Yaneth Marcela Ortiz (Group Michael Reth)
BIOSS Centre, University of Freiburg
2. [Accumulation of multi-potent hematopoietic progenitors in peripheral lymphoid organs of mice over-expressing Interleukin-7 and Flt3-ligand](#)
Fabian Klein (Group Antonius Rolink)
Department of Biomedicine, University of Basel
3. [HIV Controllers' distinct antibody profile](#)
J romine Klinger (Group Christiane Moog)
INSERM, Strasbourg
4. [Assessing the functional relevance of disease-causing mutations in *IKZF1* in thirteen patients with Common Variable Immunodeficiency \(CVID\)](#)
Zoya Eskandarian (Group Bodo Grimbacher)
CCI, Medical Center – University of Freiburg
5. [Identification of the Transcriptional Network Enabling Peripheral Na ve T-cell Survival and Homeostasis](#)
Ravindra Mode (Group Jean Pieters)
Biozentrum, University of Basel
6. [Tenascin-C promotes oral squamous cell carcinoma impacting immune cell infiltration](#)
Caroline Spen  (Group Gertraud Orend)
INSERM, Strasbourg
7. [Transcriptional dysregulation of CVID patients harboring C104R *TNFRSF13B* mutation](#)
Neftali Jose Ramirez (Group Bodo Grimbacher)
CCI, Medical Center – University of Freiburg
8. [A computational model of the influenza vaccine response in stem cell transplant patients to identify non-responders](#)
Janina Linnik (Group Adrian Egli)
Department of Biomedicine, University of Basel
9. [Keratinocyte-produced cytokine thymic stromal lymphopoietin \(TSLP\) promotes the growth and metastasis of melanoma](#)
Wenjin Yao (Group Mei Li)
IGBMC, Strasbourg
10. [Development of novel tools to investigate trogocytosis in T lymphocytes](#)
Simon Zenke (Group Jan Rohr)
CCI, Medical Center – University of Freiburg

11. [T cell homeostasis versus thymic output – the role for coronin 1 in peripheral T cell maintenance](#)
Mayumi Mori (Group Jean Pieters)
Biozentrum, University of Basel
12. [RANKL-activated lymphatic endothelial cells control CD169+ macrophage differentiation in lymph nodes](#)
Abdouramane Camara (Group Christopher Mueller)
IC2T, IBMC, Strasbourg
13. [Retroviral *UNC13D* transfer restores cytotoxic function in T cells derived from familiar hemophagocytic lymphohistiocytosis type 3 patients](#)
Viviane Dettmer (Group Toni Cathomen)
Institute for Transfusion Medicine and Gene Therapy, Medical Center – University of Freiburg
14. [miR-17~92 regulates CD28-induced metabolic changes during CD4+ T cell activation](#)
Marianne Dölz (Group Lukas Jeker)
Department of Biomedicine, University of Basel
15. [Ikaros: a new downstream player of AhR-dependent responses favoring platelet biogenesis by an enrichment of a megakaryocytic precursor](#)
Valentin Do Sacramento (Group Catherine Strassel)
EFS-INSERM, Strasbourg
16. [Investigating the function of p62 in the metabolic adaptations of activated B cells](#)
Ellen McAllister (Group Julia Jellusova)
Faculty of Biology, University of Freiburg
17. [Antigen-Capturing Human B Cells from Myasthenia Gravis Patients Secrete Acetylcholine-Receptor-Specific Immunoglobulins in Vitro](#)
Natalie Rose (Group Tobias Derfuss)
Department of Biomedicine, University of Basel
18. [Deciphering the phenotype and function of lymph node stromal cells in systemic lupus erythematosus](#)
Sophie Lecompte (Group Hélène Dumortier)
IC2T, IBMC, Strasbourg
19. [Oncogenic JAK2 signaling causes PD-L1 expression, mediating immune-escape in Myeloproliferative Neoplasms](#)
Alessandro Prestipino (Group Robert Zeiser)
Department of Medicine I, Medical Center – University of Freiburg
20. [Analysis of genes involved in antigen presentation to MR1T cells](#)
Alessandro Vacchini (Group Gennaro de Libero)
Department of Biomedicine, University of Basel
21. [In vitro reconstitution of early immune responses in atopic dermatitis](#)
Adrien Brulefert (Group Christopher Mueller)
IC2T, IBMC, Strasbourg

22. [Innate memory training of dermal macrophages increases resistance to Staphylococcus aureus infection](#)
Reinhild Feuerstein (Group Philipp Henneke)
CCI, Medical Center – University of Freiburg
23. [Notch1 target genes in T cell development](#)
Mladen Mitrovic (Group Roxane Tussiwand)
Department of Biomedicine, University of Basel
24. [Transitional B cells display an early IFN signature in quiescent SLE](#)
Yannick Dieudonné (Group Anne-Sophie Korganow)
IC2T, IBMC, Strasbourg
25. [Resident macrophages in the skin interconnect immune and nervous system](#)
Julia Kolter (Group Philipp Henneke)
CCI, Medical Center – University of Freiburg
26. [Immune profiling of Hepatocellular Carcinoma using multidimensional flow cytometry](#)
Daniela Di Blasi (Group Gennaro de Libero)
Department of Biomedicine, University of Basel
27. [Transcriptional control in early hematopoiesis](#)
Giovanni Cova (Group Susan Chan/ Philippe Kastner)
IGBMC, Strasbourg
28. [Optogenetic control shows that kinetic proofreading regulates the activity of the T cell receptor](#)
Sascha Yousefi (Group Wolfgang Schamel)
Bioss Centre, University of Freiburg
29. [Undiscovered resident CD4 T cell memory arises during influenza A infection](#)
Daniel Kirchmeier (Group Carolyn King)
Department of Biomedicine, University of Basel
30. [Janus role of tenascin-C in tumor immunity](#)
Devadarssen Murdamoothoo (Group Gertraud Orend)
INSERM, Strasbourg
31. [The mitochondrial apoptosis apparatus can be used to detect microbial infection](#)
Dominik Brokatzky (Group Georg Häcker)
Institute for Microbiology and Hygiene, Medical Center – University of Freiburg
32. [NKp46 Calibrates Tumoricidal Potential of Type 1 Innate Lymphocytes by Regulating TRAIL expression](#)
Gleb Turchinovich (Group Daniela Finke)
Department of Biomedicine, University of Basel
33. [Development of innovative platinum \(II\) compounds for the activation of the antitumor immune response](#)
May Wantz (Group Sylvie Fournel)
University of Strasbourg

34. [Immune evasion strategies of HCMV: Functional characterization of the highly polymorphic HCMV Fcγ receptor *RL12/g p95*](#)
Katja Hoffmann (Group Hartmut Hengel)
Institute for Microbiology and Hygiene, Medical Center – University of Freiburg
35. [Distinct progenitor lineages contribute to the heterogeneity of plasmacytoid dendritic cells](#)
Patrick Rodrigues Fernandes (Group Roxane Tussiwand)
Department of Biomedicine, University of Basel
36. [Investigating the role of Ikaros in TH17 cell differentiation](#)
Chiara Bernardi (Group Susan Chan/ Philippe Kastner)
IGBMC, Strasbourg