



### 9h-10h30 First Morning Session

Chairs: Susan Chan (Strasbourg) and Christopher Mueller (Strasbourg)

- 9h Welcome
- 9h10-10h **Surprise Speaker**
- 10h-10h15 **Sebastian Baasch - CCI, Medical Center - University of Freiburg**  
CMV manipulates macrophages for persistence and dissemination
- 10h15-10h30 **Peter Reuther - University of Basel**  
Antibody-mediated virus control in "tolerant" congenitally infected virus carriers

### 10h30-11h Coffee Break and Poster Set-up

### 11h-12h30 Second Morning Session

Chairs: Pauline Soulas-Sprauel (Strasbourg) and Gennaro De Libero (Basel)

- 11h-11h15 **Peggy Kirstetter - IGBMC, Strasbourg**  
Ikaros promotes plasmacytoid dendritic cell development from common dendritic cell progenitors by antagonizing the TGF- $\beta$  pathway
- 11h15-11h30 **Susanne Kirschnek - Institute for Microbiology and Hygiene, Medical Center - University of Freiburg**  
From epithelial infection to immune-mediated tissue damage by the intracellular bacterium Chlamydia
- 11h30-11h45 **Josua Wehner - University Hospital, Basel**  
The source of IL-1 $\beta$  expression and its role in type 2 diabetes mouse models
- 11h45-12h **Janina Sponzel - IBMC, Strasbourg/University of Freiburg**  
Pseudomonas aeruginosa lectin inhibits lymphocyte recruitment to peripheral lymph nodes
- 12h-12h15 **Neftali Ramirez - CCI, Medical Center - University of Freiburg**  
Transcriptional dysregulation in common variable immunodeficiency (CVID) patients
- 12h15-12h30 **Mayumi Mori - Biozentrum, Basel**  
The role for coronin 1 in T cell expansion and survival in peripheral lymphoid organs — what is being sensed?

### 12h30-14h Buffet Lunch and Poster Presentations

### 14h-15h30 First Afternoon Session

Chairs: Bodo Grimbacher (Freiburg) and Blandine Maître (Strasbourg)

- 14h-14h15 **Daniela Di Blasi - University of Basel**  
In-depth immune profiling of hepatocellular carcinoma using multidimensional flow cytometry

14h15-14h30 **Jacques Moritz - IGBMC, Strasbourg**  
Identification of novel partners for Activation Induced Cytidine Deaminase using BioID

14h30-14h45 **Anita Schuch - Department of Medicine II, Medical Center - University of Freiburg**  
Differential contribution of exhausted CD8<sup>+</sup> T cell subsets in chronic HBV versus HCV infection

14h45-15h **Matthieu Sawaf - IBMC, Strasbourg**  
Defective BTLA functionality is rescued by restoring lipid metabolism in lupus CD4<sup>+</sup> T cells

15h-15h15 **Stefan Martin - Department of Dermatology, Medical Center - University of Freiburg**  
Mechanisms of skin inflammation in chemical-induced contact dermatitis

15h15-15h30 **Mara Kornete - University Hospital, Basel**  
Allele switching enriches gene-corrected Foxp3-expressing scurfy T cells

### 15h30-16h **Coffee Break and Poster Presentations**

### 16h-18h05 **Second Afternoon Session**

Chairs: Jean Pieters (Basel) and Wolfgang Schamel (Freiburg)

16h-16h15 **Tobias Straub - Institute for Immunology, Medical Center - University of Freiburg**  
CD8 T cell-mediated control of Lymphocytic Choriomeningitis Virus infection is influenced by LPS

16h15-16h30 **Mathias Schmalzer - University and University Hospital, Basel**  
Modulation of bacterial metabolism controls activation of MAIT-cells

16h30-16h45 **Delphine Bouis - IBMC, Strasbourg**  
Sting V154M +/- mice develop a profound, type I interferon-independent, combined immunodeficiency disease

16h45-17h **Anne Halenius - Institute for Virology, Medical Center - University of Freiburg**  
From degradation to retention: adapted manipulation of polymorphic MHC class I molecules by human cytomegalovirus

17h-17h15 **Alexandre Mariotte - Inserm UMR S1109, Strasbourg**  
Which place for the NLRP3 inflammasome in the MSU crystal-induced inflammatory response in vivo?

17h15-17h30 **Nicola Sanderson - University of Basel**  
Characterisation, isolation and cloning of haemagglutinin-capturing, antigen-specific B cells from human blood

17h30-17h45 **Najwa Issa - IBMC, Strasbourg**  
Sensing of pathogen virulence factors by the Drosophila Toll pathway

17h45-18h05 **GeFI Prize: Kathrin Kläsener - BIOS Centre, University of Freiburg**  
Compartmentalization of the BCR defines functional entities

### 18h10 **Concluding remarks by organizers of the next meeting**

### 18h15-20h **Evening Aperitifs and Poster Presentations**

## Poster Presentations

The number corresponds to the location in the poster sessions.

- 1) Andre Tladen, Diego Kyburz - University of Basel  
TLR2 stimulation impairs the anti-inflammatory activity of M2-like macrophages thereby generating a chimeric M1/M2 phenotype
- 2) Adrian Acker - IBMC, Strasbourg  
An E3-ubiquitin ligase regulates the NF- $\kappa$ B transcriptional selectivity during the Drosophila innate immune response
- 3) Maté Krausz - CCI, Medical Center - University of Freiburg  
Adenosine deaminase 2 (ADA2) is a new member of nucleic acid sensors
- 4) Samuel Liégeois - IBMC, Strasbourg  
Revisiting the social life of bacteria in vivo and their interactions with the host immune system in Drosophila
- 5) Pierre Cattenoz - IGBMC, Strasbourg  
Embryonic hematopoiesis modulates the inflammatory response and larval hematopoiesis in Drosophila
- 6) Gaëtan Caravello - IBMC, Strasbourg  
The drosophila immune response against microsporidia parasites
- 7) Anna Bremser - MPI, Freiburg  
The role of lysosomes during macrophage polarization
- 8) Abdouramane Carama - IBMC, Strasbourg  
RANKL-activated lymphatic endothelial cells control sinusoidal macrophage differentiation
- 9) Sophia Wiedemann - University Hospital Basel  
Role of microglia during cephalic and postprandial phases of insulin release in health and diabetes
- 10) Quentin Muller - IBMC, Strasbourg  
An innervated and vascularized immunocompetent tissue-engineered skin to study cutaneous neuroinflammation
- 11) Beatriz Germán Falcón - IGBMC, Strasbourg  
Keratinocytes play a central role in the inhibition of psoriasis inflammation by topical calcipotriol treatment
- 12) Wenjin Yao - IGBMC, Strasbourg  
Skin TSLP plays a crucial role for T follicular helper (T<sub>fh</sub>) cell response in epicutaneous allergen sensitization
- 13) Alexandra Eichhorst - Medical Center - University of Freiburg  
Influence of dietary fiber and short-chain fatty acids on the pathogenesis of systemic lupus erythematosus
- 14) Romain Veber - IBMC, Strasbourg  
Lymphoid neogenesis in kidneys during lupus: fundamental mechanisms and therapeutic tracks
- 15) Pierre-Marie Duret - University of Strasbourg Hospital  
RANK-L is expressed by salivary gland stromal and epithelial cells in primary Sjögren's syndrome (pSS) and could represent a key player in ectopic lymphoid structure neogenesis
- 16) Sophia Lecomte - IBMC, Strasbourg  
Characterization of the stromal compartment in systemic lupus erythematosus

- 17) Zoya Eskandarian - CCI, Medical Center - University of Freiburg  
Assessing functional relevance of novel disease-associated mutations in a TNF superfamily member in patients with common variable immunodeficiency (CVID)
- 18) Anne Weiss - Medical Center - University of Freiburg  
The role of BAFF in human B cell homeostasis
- 19) Farouk Alloush - IBMC, Strasbourg  
Marginal reticular cells regulate B cell-associated stromal cell differentiation in the steady state
- 20) Natalie Frede - Medical Center - University of Freiburg  
Effects of JAK inhibition on physiological and pathological B cell development
- 21) Magdalena Wehmeyer - CCI, Medical Center - University of Freiburg  
Novel homozygous mutation in a zinc finger transcriptional factor causes STAT3-like hyper-IgE syndrome
- 22) Rocio Amoretti-Villa - IGBMC, Strasbourg  
Functional characterization of a novel IgH locus enhancer during B cell development
- 23) Nadezhda Camacho-Ordóñez - CCI, Medical Center - University of Freiburg  
DNA methylation profiles in CVID patients with unknown aetiology
- 24) Isabelle Robert - IGBMC, Strasbourg  
Maintenance of genome integrity by the DNA damage-dependent PARPs during immunoglobulin class switch recombination
- 25) Melanie Gerhardt - MPI, Freiburg  
Antigen-binding induced conformational change of the B cell antigen receptor
- 26) Mélanie Rogier - IGBMC, Strasbourg  
Identification of genes involved during class switch recombination by genome-scale CRISPR/Cas9 knockout screen (GeCKO)
- 27) Fabian Klein - University of Basel  
Role of the transcription factor Duxbl in T-cell development
- 28) Céline Charvet - IGBMC, Strasbourg  
Investigating the role of Ikaros in TH17 cell differentiation
- 29) Gina Fiala - University of Freiburg  
The proximal Lck promoter-Cre driver mouse line fails to efficiently delete floxed genes in  $\gamma\delta$  T cells
- 30) Sascha Yousefi - University of Freiburg  
Optogenetic control of T cell activation and inactivation
- 31) Marianne Dölz - University Hospital Basel  
Looking for signal 2: who cares about CD28?
- 32) Noriko Mitsuiki - CCI, Medical Center - University of Freiburg  
Genotype and phenotype of 180 CTLA-4 mutation carriers
- 33) Alessandro Vacchini - University Hospital Basel  
A CRISPR/Cas9-based search for genes involved in antigen generation and presentation to MR1T cells
- 34) Jan Rohr - CCI, Medical Center - University of Freiburg  
Investigating the social skills of T lymphocytes
- 35) Franziska Uhl - Medical Center - University of Freiburg  
Metabolic inhibition of T cells upon leukemia contact
- 36) Eleonora Cremonesi - University Hospital Basel  
Gut microbiota modulate T cell trafficking into human colorectal cancer

- 37) May Wantz - Faculty of Pharmacie, Strasbourg  
Innovative antitumoral platinum (II) compounds able to induce immunogenic cell death?
- 38) Célia Jacobberger-Foissac - Faculty of Pharmacie, Strasbourg  
Development of a novel immunotherapy with Toll-like and Nod-like receptors synergy for targeted cancer therapy
- 39) Jérôme Klingler - Inserm UMR S1109, University of Strasbourg  
Efficient profile of antibodies in patients controlling HIV
- 40) Fabian Otte - University of Basel  
HIV's hideout - chasing the viral reservoir
- 41) Laura Gámez-Días  
The immune phenotype of the murine Lrba knockout
- 42) Jessica Rojas  
Genetic analysis of a cohort of 451 patients with primary antibody deficiency