

POSTER PRESENTATION

1. Genetic analysis of a cohort of 273 patients with hyperige syndromes and mucocutaneous candidiasis
Jessica Rojas (Group Bodo Grimbacher)
2. Single-cell genomic and transcriptomic parallel sequencing method validation with human cell lines
Tsai-sang Dederichs (Group Ingo Hilgendorf)
3. Optogenetic control shows that kinetic proofreading regulates the activity of the T cell receptor
Omid Sascha Yousefi (Group Wolfgang Schamel)
4. Macrophages are a primary source of streptococcus-induced interferon- β
Vitka Gres (Group Philipp Henneke)
5. Analysis of TFH cells in patients with common variable immunodeficiency
David Friedmann (Group Klaus Warnatz)
6. A synchronized interactome of IFN-associated genes characterizes villous atrophy in patients with CVID
Valentina Strohmeier (Group Klaus Warnatz)
7. Dissecting the transcriptome of germinal center B cells in patients with common variable immunodeficiency
Kathryn Payne (Group Klaus Warnatz)
8. Analyzing the glycosylation pattern of B-cell subpopulations in healthy donors and CVID patients
Peter Felixberger (Group Klaus Warnatz)
9. The role of BH3-only proteins in lymphocyte development and function
Constanze Kurschat (Group Georg Häcker)
10. Innate Lymphoid Cells in the female genital tract and their role in chlamydial infection
Svenja Barth (Group Georg Häcker)
11. GMCSF synergizes with LPS for IL-1 β secretion through an alternative NLRP3 inflammasome pathway
Sara Di Carlo (Group Georg Häcker)
12. MHC class II proteins mediate cross-species entry of bat influenza viruses
Thiprampai Thamamongood (Group Martin Schwemmler)
13. Cytomegalovirus reprograms macrophages facilitating asymptomatic infection
Sebastian Baasch (Group Philipp Henneke)
14. TRuC: A Novel T Cell Therapy Engaging the Complete T Cell Receptor
Niko Thoraus (Group Wolfgang Schamel)
15. In search of a genetic diagnosis in complex CVID cases
Andrés Caballero (Group Bodo Grimbacher)

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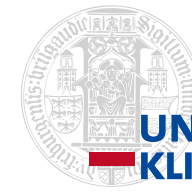
16. The role of the signaling adapter protein p62/SQSTM1 in activated B cells
Ellen McAllister (Group Julia Jellusova)
17. Size matters - Immune evasion strategies of HCMV: Functional characterization of the highly polymorphic HCMV Fc γ -receptor RL12/gp95
Dr. Katja Hoffmann (Group Hartmut Hengel)

INDUSTRY SHOW



Exhibitors with 1.000€ for information booth and promotional purposes (BD, Bio Legend, CSL Behring, IBS Tecnomara, Lilly, Miltenyi Biotec, Octapharma, Carl Roth, Stemcell Technologies, ThermoFisher).
Sponsors with 500€ for promotional purposes (Biomol, LFB, Sobi, Takeda, UCB, Zeiss).

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UNIVERSITÄTS
KLINIKUM FREIBURG

14TH FREIBURG IMMUNOLOGY MEETING NOVEMBER 27, 2019



Albert-Ludwigs-Universität
Kollegiengebäude I (KG I), Aula, first floor
Platz der Universität 3 | 79098 Freiburg



PROGRAM

08:00 REGISTRATION AND POSTER SET-UP

09:00 **Welcome**
Wolfgang Schamel

09:05 **Introduction GEFI**
Michael Reth

09:15 **Introduction PROimmun e.V.**
Bodo Grimbacher



SESSION 1

Chair: Stephan Ehl

09:30 **Deciphering the Regulatory Landscape of Fetal and Adult $\gamma\delta$ T-cell Development by Single-cell RNA-sequencing**
Dr. Sagar (Group Dominic Grün)

09:45 **The exhausted fate of memory-like HCV-specific CD8⁺ T cells**
Nina Hensel (Group Robert Thimme)

10:00 **Selective targeting of HLA-C molecules by the human cytomegalovirus (HCMV) encoded glycoprotein US10**
Carolin Gerke (Group Anne Halenius)

10:15 **A novel chimeric antigen receptor (CAR) T cell approach eliminates prostate cancer in a mouse tumor model**
Jamal Alzubi (Group Toni Cathomen)

10:30 **The role of the signaling adapter protein p62/SQSTM1 in activated B cells**
Ellen McAllister (Group Julia Jellusova)

10:45 COFFEE BREAK AND POSTER PRESENTATION

SESSION 2

Chair: Michael Reth

11:15 **Fas regulates the expansion of highly proliferative IL-10 producing T cells characterized by a unique molecular signature**

Maria Elena Maccari (Group Stephan Ehl)

11:30 **Transposable elements enhance hematopoietic regeneration via immune signaling activation**

Thomas Clapes (Group Eirini Trompouki)

11:45 **Neutrophils but not epithelial cells require tyrosine kinase 2 for interferon- λ -mediated gene expression**

Daniel Schnepf (Group Peter Stäheli)

12:00 **Canonical inflammasome activation is inhibited by virulence effectors ROP5 and ROP18 upon Toxoplasma gondii infection**

Mateo Murillo-León (Group Tobias Steinfeldt)

12:15 **In search of a genetic diagnosis in complex CVID cases**

Andrés Caballero (Group Bodo Grimbacher)

12:30 **GEFI PRICE WINNER**
A subset of skin macrophages contributes to surveillance and regeneration of local nerves

Julia Kolter (Group Philipp Henneke)

13:00 LUNCH BREAK AND POSTER PRESENTATION



SESSION 3

Chair: Klaus Warnatz

14:00 **KEYNOTE LECTURE**
My personal way to immunological research
Hans-Hartmut Peter

14:30 **RASEF enhances $\gamma\delta$ TCR signaling**
Anna Morath (Group Wolfgang Schamel)

14:45 **Refining the understanding of human CD21 low / T-bet high B cells**
Bärbel Keller (Group Klaus Warnatz)

15:00 **Mast Cells Trap Neutrophils to Recover from Degranulation and to Overcome Nutrient Limitations**
Michael Mihlan (Group Tim Lämmermann)

15:15 **Protection of human cytomegalovirus (HCMV)-infected cells by virion-derived 'incoming' vFcγRs at initial stages of replication**

Claudius Biedermann (Group Hartmut Hengel)

15:30 **GMCSF synergizes with LPS for IL-1 β secretion through an alternative NLRP3 inflammasome pathway**

Sara Di Carlo (Group Ian Gentle)

15:45 COFFEE BREAK AND POSTER PRESENTATION

SESSION 4

Chair: Hartmut Hengel

16:15 **MHC class II proteins mediate cross-species entry of bat influenza Viruses**
Thiprampai Thamamongood (Group Martin Schwemmle)

16:30 **Cisplatin facilitates radiation-induced abscopal effects in conjunction with PD-1 checkpoint blockade through CXCR3/CXCL10-mediated T cell recruitment**
Ren Luo (Group Gabriele Niedermann)

16:45 **Interleukin-2 mediated reduction of follicular T helper cells in advanced liver cirrhosis**
Kristi Basho (Group Tobias Böttler)

17:00 **Graft-versus-host disease of the CNS is essentially mediated by the TAK1/TNF/MHC-II axis in microglia**
Janaki Manoja Vinnakota (Group Robert Zeiser)

17:15 **Common Monocyte Progenitors are novel effector cells in Mycobacterial Immunity**
Anne Löblein (Group Philipp Henneke)

17:30 **Closing Remarks**
Bodo Grimbacher

17:45 GET TOGETHER

