



**UNIVERSITÄTS  
KLINIKUM** FREIBURG

# 5<sup>th</sup> Annual Meeting of THE UPPER RHINE IMMUNOLOGY (URI) GROUP

**OCTOBER 15, 2021**

ALBERT-LUDWIGS-UNIVERSITÄT | KOLLEGIENGEBÄUDE I | AULA  
PLATZ DER UNIVERSITÄT 3 | 79098 FREIBURG



**The URI meeting will take place in presence. Please note, that you have to follow the 3G if you join the meeting, this means:**



» Presentation of a vaccination certificate. This must show that the last required individual vaccination was at least 14 days ago.

or



» Presentation of proof of convalescence. This must be at least 28 days but no more than 6 months old.

or



» Presentation of an officially issued test certificate with a negative result. The underlying test may not be older than 24 hours. We will have to check your certificate prior to the meeting. So please present your certificate at the meeting, otherwise, you are not allowed to participate.



A medical face mask must be worn, please bring your own medical face masks to the meeting.

**THANKS TO THE URI GROUP:**



Universität  
Basel

Université

de Strasbourg



# PROGRAM

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

09:30 **Welcome**

Wolfgang Schamel (Freiburg)

09:45 **Assembly of the TCR signalling pathway in the plasma membrane**

Prof. Dr. Björn Lillemeier

Inst. Biology III, Excellence Cluster CIBSS, University Freiburg

10:30 **COFFEE BREAK AND POSTER PRESENTATION 1-20**

11:15 **Presentation of EURIdoc**

Christopher Mueller (Strasbourg)

## **SESSION I**

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

11:25 **Vaccine-induced SARS-CoV-2-specific CD8+ T cell responses**

Kemming, Janine

AG Hofmann/Neumann-Haefelin/Thimme, Department of Medicine II,  
Medical Center - University of Freiburg

11:40 **Role of monoclonal antibodies during mycobacterial infection of macrophages**

Putanantickal, Namitha

AG Finke, Dept. of Biomedicine, Basel

11:55 **Ubiquitous anti-S. aureus antibody**

Falk, Fabian

AG Frank Breitling, KIT, Karlsruhe

12:10 **Nanotechnology systems to deliver peptides in inflammatory and autoimmune diseases**

Talamini, Laura

AG Sylviane Muller, CNRS, University Strasbourg

12:25 **Dysfunction of HBV-specific CD8+ T cells in chronic HBV infection**

Heim, Kathrin

AG Thimme/Hofmann, Department of Medicine II,  
Medical Center - University of Freiburg

12:30 **LUNCH BREAK AND POSTER PRESENTATION**

**12:40 – 13:25 POSTER PRESENTATION 1-20**

**13:20 CHANGE OF POSTERS**

**13:20– 14:00 POSTER PRESENTATION 21-40**



# PROGRAM

## SESSION II

Chairs: Gennaro de Libero (Basel) and Jean Pieters (Basel)

- 14:00 **Fam72a controls the balance between error-prone and error-free DNA repair during antibody diversification.**  
Reina-San-Martin, Bernardo  
AG Reina-San-Martin, University Strasbourg
- 14:15 **3 dim topography of B cell antigen receptor clusters on the membrane**  
Saltukoglu, Deniz  
AG Reth, Faculty Biology, Freiburg
- 14:30 **Targeting intra-tumoral crosstalk between adaptive and innate immunity enhances cancer immune control**  
Kirchhammer, Nicole  
AG Zippelius, Dept. of Biomedicine, Basel
- 14:45 **Understanding germinal center B cell dysfunction in CVID**  
Payne, Kathryn  
AG Warnatz, CCI, Medical Center - University of Freiburg
- 15:00 **Self-reactive B-cells escape B-cell selection in IKZF1-mutant patients**  
Dieudonne, Yannick  
AG Korganow, Universtiy Hospital and Medical Faculty, University Strasbourg

15:15 **COFFEE BREAK AND POSTER PRESENTATION 21-40**

### SESSION III

Chairs: Stephan Ehl (Freiburg) und Hartmut Hengel (Freiburg)

- 16:00 **A population of self-reactive MAIT cells with a potential role in autoimmunity**  
Chancellor, Andrew  
AG De Libero, Dept. of Biomedicine, Basel
- 16:15 **In vitro modeling of cytokine release syndrome**  
Dibas, Ala  
AG Cathomen, Institute for Transfusion Medicine and Gene Therapy, CCI, Medical Center - University of Freiburg
- 16:30 **Unraveling PI3Kgamma adaptor subunit roles: targeting allergy with minimal impact on host immunity**  
Xavier, Ana  
AG Wymann, Dept. Biomedicine, Basel
- 16:45 **Altered BTLA expression on lupus regulatory T cells**  
Aubergeon, Lucie  
AG Monneaux, CNRS, University Strasbourg
- 17:00 **Vitamin D3-elicited CD14+ human skin dendritic cells promote thymic stromal lymphopoietin-independent type 2 T-helper responses**  
Flacher, Vincent  
AG Chris Mueller, Inst. Biol Mol and Cell, University Strasbourg
- 17:15 **Development of small molecule miR-17-92 inhibitors for potential therapeutic use**  
Matter, Romina  
AG Jeker, Dept. of Biomedicine, Basel
- 17:30 **Closing Remarks**  
Wolfgang Schamel (Freiburg)

17:45 **GET TOGETHER**



## CONFIRMED POSTERS

### **1. How clonal hematopoiesis of indeterminate potential hits the cardiovascular system - a single cell parallel sequencing approach**

Dederichs, Tsai-Sang  
Immunocardiology, UHZ Cardiology and Angiology I,  
Medical Center - University of Freiburg

### **2. Targeting cancer glycosylation repolarizes tumor-associated macrophages allowing effective immune checkpoint blockade**

Läubli, Heinz  
Department of Biomedicine, University Hospital and University of Basel

### **3. Deciphering the implication of lymphoid organ stromal cells in autoimmune responses during Systemic Lupus Erythematosus**

Airoidi, Annaick  
AG Hélène Dumortier, University Strasbourg

### **4. The impact of CD44 on the metastatic niche of pancreatic cancer** **Mehner, Lisa-Marie**

AG Véronique Orian-Rousseau, KIT, Karlsruhe

### **5. Understanding the crosstalk between juvenile leukemia (JMML) and immune cells**

Rajak, Jovana  
Division of Pediatric Hematology & Oncology, AG Erlacher,  
Medical Center - University of Freiburg

### **6. Targeting PD-L1 with locked nucleic acid-modified antisense oligonucleotides in cancer**

Fernandez-Rodriguez, Laura  
Department of Biomedicine, University Hospital Basel

### **7. Specific targeting of dendritic cells using plant-derived Virus Like Particles: towards the development of an innovative anti-tumor vaccine**

Guingand, Armelle  
AG Hélène Dumortier, University Strasbourg

### **8. Impact of the removal of CD44 in pancreatic cancer-associated fibroblasts on tumor growth and metastasis**

Treffert, Swen  
AG Véronique Orian-Rousseau, KIT, Karlsruhe

### **9. Fine-composition of the immune infiltrate in autoimmune hepatitis identifies spontaneous and checkpoint-therapy associated diseases**

Krimmel, Laurenz  
AG Bengsch, Department of Medicine II, Gastroenterology, Hepatology,  
Endocrinology, and Infectious Diseases TEXIMMED2,  
Medical Center - University of Freiburg

**10. Broad tumor recognition by MR1T cells**

Beshirova, Aisha

Experimental Immunology, Department of Biomedicine, University of Basel

**11. Identification of Marginal zone B cells as key players in a murine model of platelet alloimmunization**

Couvidou, Adele

AG Blandine Maitre, University Strasbourg

**12. Impact of vaccination history on influenza-specific CD4 T cell and antibody responses**

Wild, Katharina

AG Böttler, Klinik für Innere Medizin II, Medical Center - University of Freiburg

**13. T cell survival is promoted by coronin 1 in a cell-intrinsic manner**

Bianda, Christelle

Biozentrum, Universität Basel

**14. CD169+ macrophages in lymph node and spleen critically depend on dual RANK and LTβR signaling**

Lavanant, Alice

AG Chris Mueller, University Strasbourg

**15. Cytomegalovirus subverts macrophage identity  
Baasch, Sebastian**

Institute for Immunodeficiency, AG Henneke, Institute for Immunodeficiency, CCI, Medical Center – University of Freiburg

**16. Determination of the role of H3K27me3 dose in the epigenetic control of thymic epithelial cell development and function**

Kusch, Anja

University Children's Hospital Basel

**17. Regulatory role of Langerhans cells in TSLP-promoted Tfh and Th2 responses during skin allergen sensitization**

Segaud, Justine

AG Mei Li, University of Strasbourg

**18. TCR assembly: controlled release of the TCR from the ER**

Juraske, Claudia

AG Schamel, University Freiburg

**19. Investigating the function of coronin proteins in immune cells**

D'Otolo, Viviana

University of Basel

**20. Tenascin-C impacts CXCR4 signaling: a therapeutical target in a novel acute mouse of ANCA Associated Vasculitis?**

Abou Fayçal, Cherine

AG Gertraud Orend, University Strasbourg



**21. Engineering of novel chimeric antigen receptors (CARs) by learning from the TCR**

Velasco, Misol

AG Minguet, University Freiburg

**22. Epitope engineering to protect cells from targeted therapies**

Devaux, Anna

Department of Biomedicine, University Hospital and University of Basel

**23. Characterising lung mucosal antibody responses against infection with M. tuberculosis**

Hermann, Clemens

University Hospital Basel and University of Basel, Department of Biomedicine, Basel

**24. The role of collagen VII in B cell mediated immunity**

Lehr, Saskia

AG Alexander Nyström and Dimitra Kiritsi from the Department of Dermatology, Medical Center – University of Freiburg

**25. Deep spatial profiling of COVID-19 brains reveals neuroinflammation by compartmentalized local immune cell interactions and targets for intervention**

Salie, Henrike

Department of Medicine II, Medical Center – University of Freiburg

**26. Role of IRE1- $\alpha$  R594C mutant in lymphocyte homeostasis and development of autoimmunity**

Reuschle, Quentin

AG Pauline Soulas-Spraul, University Strasbourg

**27. Identification of the coronin 1 interactome in T lymphocytes**

Zhang, Haiyan

University of Basel

**28. Dual role of T. gondii ROP5/ROP18 for inhibition of inflammasome activation**

Murillo León, Mateo

Institute of Virology, Medical Center – University of Freiburg

**29. Fibroblast mechanosensing: stretch-activated channels at play**

Peyronnet, Remi

Institute for Experimental Cardiovascular Medicine, University Heart Center Freiburg, Bad Krozingen, and Faculty of Medicine, University of Freiburg

**30. Bat-Flu project**

Reuther, Peter

Institute of Virology, Medical Center – University of Freiburg



**31. Metabolic rewiring tunes dermal macrophages in staphylococcal skin infection**

Forde, Aaron

AG Henneke, Institute for Immunodeficiency, CCI,  
Medical Center – University of Freiburg

**32. The role of collagen VII in the vaccination response**

Conradt, Gregor

AG Alexander Nyström and Dimitra Kiritsi, Department of Dermatology,  
Medical Center – University of Freiburg

**33. IFN lambda contributes to *Toxoplasma gondii* control at the initial infection site**

Murillo León, Mateo and Endres, Niklas

Institute of Virology, Medical Center – University of Freiburg

**34. Metabolic programming of exhausted CD8+ T cells in viral hepatitis**

Winkler, Frances

AG Bengsch, Department of Medicine II, Gastroenterology, Hepatology,  
Endocrinology, and Infectious Diseases TEXIMMED2, Medical Center – University  
of Freiburg

**35. Mycobacterial infection uncovers origin-dependent macrophage properties**

Lohrmann, Florens

AG Henneke, Institute for Immunodeficiency, CCI, Medical Center – University of  
Freiburg

**36. Cellular stress integration shapes the metabolic profile of exhausted T cell subsets**

Hipp, Anna

AG Bengsch, Department of Medicine II, Medical Center – University of Freiburg

**37. Antibodies deconvolution in Membranous Nephropathy**

Montagner, Sara

AG Traggrai, Novartis, Basel

**38. Contribution of CD44 to the pancreatic tumor microenvironment**

Heneka, Yvonne

AG Véronique Orian-Rousseau, KIT, Karlsruhe

**39. Optogenetic activation of primary human T cells**

Idstein, Vincent

AG Schamel, University Freiburg

**40. CD4+ T cells require Ikaros to inhibit their differentiation towards a pathogenic cell fate**

Bernadi, Chiara

AG Céline Charvet, University Strasbourg



## THANKS TO OUR PARTNER SPONSORS:



Université  
franco-allemande  
Deutsch-Französische  
Hochschule

## THANKS TO OUR INDUSTRY SPONSORS:\*



Miltenyi Biotec



\* Exhibitors with 1,000 Euro for information booth and promotional purposes.  
Sponsors with 500 Euro for promotional purposes (Grifols, Sobi and Takeda).



# VENUE

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



Kollegiengebäude I (KG I)  
Platz der Universität 3  
79098 Freiburg



Kartenausschnitt  
Google Maps

Stand nach Drucklegung: September 2021

Redaktion: Universitätsklinikum Freiburg | CCI

Layout: Universitätsklinikum Freiburg | Medienzentrum

Titelbild: © Universität Freiburg - Sandra Meyndt