



# - International Symposium - From Paradigms to Paradoxes in Immunity and Immunopathology (PPII)

**October 6<sup>th</sup>, 2022**

12:00 am to 2:00 pm | Registration and Reception

## Session I – Concepts of Basic Molecular Immunology

Chairs: S. Ehl, N. Köhler

2:00 pm to 2:15 pm	Welcome note & Opening Ceremonies
2:15 pm to 3:00 pm	<b>KEYNOTE Lecture</b> <b>Steven Holland:</b> title tba
3:00 pm to 3:30 pm	<b>Burkhard Ludewig</b> <i>Stromal-immune cell interactions in myocardial inflammation</i>
3:30 pm to 4:00 pm	<b>Jürgen Wienands</b> <i>B-lymphoid nuclear logistics</i>
4:00 pm to 4:30 pm	Coffee break

## Session II – The Paradox of Innate Memory

Chairs: P. Henneke, L. Graf

4:30 pm to 5:00 pm	<b>Chiara Romagnani</b> <i>Clonality and epigenetic inheritance of NK cell memory</i>
5:00 pm to 5:30 pm	<b>Charlotte Scott</b> <i>Reexamining the concept of hepatic macrophage plasticity</i>

## IMPATH Lecture

5:30 pm to 6:00 pm	<b>Martin Schwemmler</b> <i>Human MxA: the antiviral gatekeeper of zoonotic influenza viruses</i>
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## Podium Discussion

Moderation: M. Rizzi

6:15 pm to 7:00 pm | Paradoxes in Immunology

## Speakers Dinner

8:00 pm | Location: Greiffenegg-Schlössle, Schlossberg, Freiburg

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## October 7<sup>th</sup>, 2022

8:00 am to 8:30 am | Registration and Reception

### Georges Köhler Lecture

Chair: M. Reth

8:30 am to 8:45 am | **Michael Reth**  
*Introduction to GEORGES KÖHLER Lecture*

8:45 am to 9:45 am | **GEORGES KÖHLER Lecture**  
**Bruce Beutler**  
*Germline mutations that suppress cancer growth*

### Session III – Paradigms in Infection Immunity

Chairs: M. Prinz, J. Kolter

9:45 am to 10:15 am | **Mihai Netea**  
*Trained immunity: a memory for the innate host defense*

10:15 am to 10:30 am | **Selected short talk: Heim, Kathrin**  
*Diverse mechanisms of HBV-specific CD8+ T-cell dysfunction in chronic infection*

10:30 am to 10:45 am | **Selected short talk: Schnepf, Daniel**  
*Impaired immune response drives age-dependent severity of COVID-19*

10:45 am to 11:15 am | Coffee break / industry exhibition

### Session IV – Impaired Immune Reactions and Immunopathology

Chairs: B. Grimbacher, M. E. Maccari

11:15 am to 11:45 am | **Sophie Hambleton**  
*When less is more in innate antiviral immunity*

11:45 am to 12:00 pm | **Selected short talk: Wössner, Nadine**  
*Novel approach to modulate T cell activation: from molecular mechanism to control of function*

12:00 pm to 12:30 pm | **Diane Mathis**  
*Thymic mimetic cells: tolerogenic masqueraders*

12:30 pm to 12:45 pm | **Selected short talk: Dettmer-Monaco, Viviane**  
*Gene Editing of Hematopoietic Stem Cells Restores the Cytotoxic T Cell Response in a Murine Model of Familial Hemophagocytic Lymphohistiocytosis Type 3*

12:45 pm to 3:00 pm | Lunch break / industry exhibition

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## Session V – Crosstalk in the Immune System

Chairs: W. Schamel, M. Börries

3:00 pm to 3:30 pm	<b>Percy Knolle</b> <i>Metabolite-mediated control of T cell immunity in the liver</i>
3:30 pm to 3:45 pm	<b>Selected short talk: Gentle, Ian Edward</b> <i>GM-CSF suppresses LPS induced antioxidant responses through NRF2 downregulation, driving IL-1<math>\beta</math> ubiquitylation, and secretion</i>
3:45 pm to 4:15 pm	<b>Almudena Ramiro</b> title tba
4:15 pm to 4:30 pm	<b>Selected short talk: Amann, Lukas</b> <i>Specification of CNS macrophage subsets occurs postnatally in defined niches</i>
4:30 pm to 4:45 pm	<b>Selected short talk: Keppler, Selina</b> <i>B cells fuels intestinal inflammation during autoimmunity</i>
4:45 pm to 5:30 pm	Coffee break / industry exhibition

## Science Slam, Wine tasting+Poster Session, e-voting prize

5:30 pm to 6:00 pm	Science slam
6:00 pm to 7:00 pm	Wine tasting & Poster session

## Get-together + Prize Ceremony

8:00 pm	Location: Wodanhalle, Leo-Wohleb-Straße 4, 79098 Freiburg
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## October 8<sup>th</sup>, 2022

8:30 am to 9:00 am | Registration and Reception

### Session VI – Paradoxes in Adverse Immune Responses

Chairs: R. Zeiser, B. Keller

- 9:00 am to 9:30 am | **Maria Casanova-Acebes:**  
title tba
- 9:30 am to 9:45 am | **Selected short talk: Julian Staniek**  
*Non-apoptotic FAS signaling controls CD40-dependent mTOR activation and balances extrafollicular versus germinal center fate in human B cells*
- 9:45 am to 10:00 am | **Selected short talk: Gómez-Escolar, Carmen**  
*Single cell clonal analysis identifies an AID-dependent pathway of plasma cell differentiation*
- 10:00 am to 10:30 am | **Ali Ellebedy**  
*B cell responses to vaccination in humans: Looking beneath the surface*
- 10:30 am to 10:45 am | **Selected short talk: Fuertes, Teresa**  
*miR-28 enhances the anti-tumoral effect of ibrutinib inducing a cell cycle arrest transcriptional program in aggressive B lymphomas*
- 10:45 am to 11:15 pm | Coffee break

### Session VII – Frontiers in Mucosal Immunity

Chairs: R. Thimme, L. Gamez

- 11:15 pm to 12:00 pm | **KEYNOTE Lecture**  
**Florian Krammer**  
*Antibody responses to SARS-CoV-2 after infection and vaccination*
- 12:00 pm to 12:30 pm | **Mahima Swamy**  
*Defining the signalling pathways driving tissue-resident T cell responses*
- 12:30 pm to 1:00 pm | **Andreas Diefenbach**  
*Innate Lymphoid Cells as checkpoints of tissue homeostasis and adaptation*
- 1:00 pm to 1:10 pm | CLOSING REMARKS
- 1:10 pm to 2:00 pm | Lunch break

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