



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

Venue: University of Freiburg, Aula Building KG I

October 6th, 2022

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

Session I – Concepts of Basic Molecular Immunology

Chairs: Stephan Ehl, Natalie Köhler

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

Session II – The Paradox of Innate Memory

Chairs: Laura Graf, Philipp Henneke

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

IMPATH Lecture

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

Moderation: Marta Rizzi

speakers: Stephan Ehl, Percy Knolle, Almudena Ramiro, Chiara Romagnani, Mahima Swamy

6:15 pm to 7:00 pm	Making and breaking disruptive research - obstacles, chances and solutions
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October 7th, 2022

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

Georges Köhler Lecture

Chair: Michael 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: Julia Kolter, Robert Thimme

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: Bodo Grimbacher, Maria Elena 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

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12:45 pm to 3:00 pm

Lunch break / industry exhibition

2:00 pm to 2:45 pm

Alexandra Flemming (Chief Editor of Nature Reviews Immunology)

A career jump into science publishing – what's it like and how do you do it?

Session V – Crosstalk in the Immune System

Chairs: Melanie Börries, Marco Prinz

3:00 pm to 3:30 pm

Percy Knolle

Metabolite-mediated control of T cell immunity in the liver

3:30 pm to 3:45 pm

Selected short talk: Gentle, Ian Edward

GM-CSF suppresses LPS induced antioxidant responses through NRF2 downregulation, driving IL-1 β ubiquitylation, and secretion

3:45 pm to 4:15 pm

Almudena Ramiro

Antibodies meet the atheroma plaque: a match made in heaven?

4:15 pm to 4:30 pm

Selected short talk: Amann, Lukas

Specification of CNS macrophage subsets occurs postnatally in defined niches

4:30 pm to 4:45 pm

Selected short talk: Keppler, Selina

B cells fuels intestinal inflammation during autoimmunity

4:45 pm to 5:30 pm

Coffee break / industry exhibition

Science Slam & Poster Session

5:30 pm to 6:00 pm

Science slam

6:00 pm to 7:00 pm

Wine tasting & Poster session with poster walk

Get-together + Science Slam & Poster Prize Ceremony

8:00 pm

Location: Wodanhalle, Leo-Wohleb-Straße 4, 79098 Freiburg

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October 8th, 2022

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

Session VI – Paradoxes in Adverse Immune Responses

Chairs: Bärbel Keller, Christoph Neumann-Haefelin

- 9:00 am to 9:30 am | **Bodo Grimbacher**
Basic science makes a difference: Comparing CTLA4 and NFκB insufficiency
- 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: Laura Gamez, Wolfgang Schamel

- 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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