

Development of Tissue- and Pathogen-specific Cellular Innate Immunity

International Symposium
September 27 – 29, 2017
Freiburg, Germany

PRELIMINARY SCIENTIFIC PROGRAM

Wednesday, 27 September 2017

12:00 – 13:00 “Live Cell Imaging” with Andreas Müller, Robert Kirmse

Workshop sponsored by Zeiss

13:10 – 13:20 Introduction

Lung and Intestine

13:20 – 13:50 Steffen **Jung**

Macrophage strategies in gut and brain

13:50 – 14:20 Manfred **Kopf**

PPAR γ in lung immunity

14:20 – 14:35 *Selected Speaker*

14:35 – 15:05 Georg **Gasteiger**

Development and differentiation of tissue-resident memory T cells and innate lymphoid cells

15:05 – 15:35 Gioacchino **Natoli**

Transcriptional and chromatin-mediated control of inflammatory response

15:35 – 16:00 Break

Mycobacteria and Intracellular Microorganisms

16:00 – 16:30 Andrea **Ablasser**

Cytosolic DNA sensing during infection and disease

16:30 – 17:00 Philipp **Henneke**

Origin and function of giant macrophages in mycobacterial infections

17:00 – 17:15 *Selected Speaker*

17:15 – 17:45 Petr **Broz**

Sensing the enemy within: innate immune detection of intracellular bacteria

17:45 – 18:15 Lalita **Ramakrishnan**
How mycobacterial phenolic glycolipids subvert macrophages

18:15 – 18:40 Break

Key Note

18:40 – 19:40 Sarkis **Mazmanian**
Immune modulation by the gut microbiome during intestinal inflammation

19:40 Science (Posters), Schnitzel, Spirits

Thursday, 28 September 2017

Skin and Soft Tissue

08:30 – 09:00 Victor **Nizet**
Streptococcal manipulation of host innate immune cell responses

09:00 – 09:30 Sandrine **Henri**
Complexity of the dermal myeloid compartment: from phenotype to function

09:30 – 09:45 Selected Speaker

09:45 – 10:15 Tim **Lämmermann**
Innate immune cell swarming at sites of inflammation and infection

10:15 – 10:45 Florent **Ginhoux**
Ontogeny and differentiation of tissue-resident macrophages

10:45 – 11:10 Break

Central Nervous System

11:10 – 11:40 Marco **Prinz**
Functions of myeloid cells in the CNS

11:40 – 11:55 Selected Speaker

11:55 – 12:25 Josef **Priller**
Innate immunity in neuropsychiatric diseases

12:25 – 12:55 Ido **Amit**
Single cell genomics: An immunologist guide to the immuneiversum

13:05 – 14:05 “CrispR/ Cas9” with Ralf Kuehn and Claudio Mussolino
Workshop sponsored by Addgene

Monocytes and Dendritic Cells

14:15 – 14:45 Veit **Hornung**
Inflammasome signalling in the human system

14:45 – 15:15 Roland **Elling**
*Regulation of innate inflammatory responses through the long noncoding RNA
lincRNA-COX2*

15:15 – 15:30 Selected Speaker

15:30 – 16:00 Catherine **Hedrick**
Monocyte heterogeneity in the vasculature

16:00 – 16:30 Caetano **Reis e Sousa**
Sensing of tissue damage by dendritic cells

16:30 – 16:55 Break

Parasites

16:55 – 17:25 Douglas **Golenbock**
Trained immunity in plasmodium infections

17:25 – 17:55 Edward **Pearce**
Metabolic regulation of innate immune cell activation

17:55 – 18:10 Selected Speaker

18:10 – 18:40 Judith **Allen**
Tissue-specific custodians during helminth infection and injury

20:00 Social event with awards ceremony (Wodan-Halle)

Friday, 29 September 2017

Heart and Vessels

- 09:00 – 09:30 Andres **Hidalgo**
Phagocytic macrophages at the heart's core
- 09:30 – 10:00 Michael **Sieweke**
Harnessing macrophage self renewal
- 10:00 – 10:15 Selected Speaker
- 10:15 – 10:45 Eicke **Latz**
Trained immunity in atherogenesis
- 10:45 – 11:10 Break

Macrophage and Dendritic Cell Regulation

- 11:10 – 11:40 Katherine **Fitzgerald**
Regulation of inflammatory responses in macrophages
- 11:40 – 12:10 Olaf **Groß**
Role of metabolism in NLRP3 inflammasome activation and anti-cancer effects of Imiquimod
- 12:10 – 12:25 Selected Speaker
- 12:25 – 12:55 Michael **Sixt**
A new mode of force transduction in amoeboid migrating cells
- 12:55 – 13:25 Luke **O'Neill**
Krebs cycle reprogrammed for cytokines
- 13:30 – 14:30 “Meet the Editor” with Domenico Mavilio, J. of Leukocyte Biology;
Bruce Koppelman, Cell Press and Achim Breiling, EMBO Press
- 13:30 – 14:30 Farewell with finger food