

## Program Cluster Science Days 2018, Nov 05 & 06, 2018

This symposium is also organized as "the 10th International Symposium of IFReC"

### Monday, November 05, 2018

<b>08:00 – 09:00</b>	<b>Registration, mounting of posters &amp; coffee</b>
09:00 – 09:30	Opening remarks
09:30 – 10:00 IFReC Speaker	New CAR T cell therapy for multiple myeloma (Prof. Naoki Hosen, Cancer Stem Cell Biology, Osaka University Graduate School of Medicine, Japan)
10:00 – 10:25 PI Talk Bonn	CRISPiTope: A Versatile Approach To Study How The Target Antigen Choice Influences Antigen-Specific T-cell Therapy (Prof. Michael Hölzel, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany)
10:25 – 10:40 Selected from abstracts	Cred1 Regulates T Cell Survival And Fate In Mouse And Human Via Regulation Of The Wnt/ $\beta$ -Catenin Pathway (Lorenzo Bonaguro, Genomics and Immunoregulation, LIMES Institute, University of Bonn, Germany)
<b>10:40 – 11:00</b>	<b>Coffee Break</b>
11:00 – 11:30 IFReC Speaker	Bone marrow microenvironmental niches for hematopoietic stem cells and immune cells (Prof. Takashi Nagasawa, Stem Cell Biology and Developmental Immunology, Immunology Frontier Research Center, Osaka University, Japan)
11:30 – 11:55 PI Talk Bonn	Spatio-temporal Regulation of Leukocyte chemotaxis (Prof. Waldemar Kolanus, Molecular Immunology and Cell Biology, LIMES Institute, University of Bonn, Germany)
11:55 – 12:15 Early Career Talk	Can centrosome numbers shape immune responses? (Prof. Eva Kiermaier, Immune and Tumor Biology, LIMES Institute, University of Bonn, Germany)
12:15 – 12:45 IFReC Speaker	Regulation of immune responses via C-type lectin receptors (Prof. Sho Yamasaki, Molecular Immunology, Immunology Frontier Research Center, Osaka University, Japan)
<b>12:45 – 13:30</b>	<b>Lunch</b>
13:30 – 14:00 IFReC Speaker	Host-microbiota interaction in the intestine (Prof. Kiyoshi Takeda, Mucosal Immunology, Immunology Frontier Research Center, Osaka University, Japan)
14:00 – 14:25 PI Talk Bonn	Environmental control of mucosal immunity and metabolism by the AhR/AhRR pathway (Prof. Irmgard Förster, Immunology and Environment, LIMES Institute, University of Bonn, Germany)
14:25 – 14:45 Early Career Talk	Metabolic Fuelling of Barrier Immunologie (Prof. Christoph Wilhelm, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany)
14:45 – 15:00 Selected from abstracts	Lipid Droplet Formation Fuels Pathogenic ILC2 Responses In Airway Inflammation (Schekufe Kharabi-Masouleh, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany)
15:00 – 15:15 Selected from abstracts	Lung-specific Innate Immune Memory Controls Reactivity Of Mononuclear Phagocytes To Acute And Chronic Inflammation (Dr. Natalie Katzmarski, Myeloid Cell Biology, LIMES Institute, University of Bonn, Germany)
15:15 – 15:30 Selected from abstracts	Neutrophils With An Extravasation Phenotype Are Detectable In The Peripheral Blood Of Patients With Chronic Obstructive Pulmonary Disease (Dr. Theodore Kapellos, Genomics and Immunoregulation, LIMES Institute, University of Bonn, Germany)

<b>15:30 – 16:25</b>	<b>Poster Session with Coffee</b>
16:25 – 16:50 PI Talk Bonn	Posttranscriptional regulation of NLR family members (Prof. Eicke Latz, Institute of Innate Immunity, University of Bonn, Germany)
16:50 – 17:05 Selected from abstracts	Platelets Boost Inflammasome-Derived IL-1 Cytokines By Regulating NLRP3 Expression (Verena Rolfes, Institute of Innate Immunity, University of Bonn, Germany)
17:05 – 17:20 Selected from abstracts	Alternative Splicing: an Alternative Level of NLRP3 Inflammasome Regulation (Florian Hoss, Institute of Innate Immunity, University of Bonn, Germany)
<b>17:20 – 17:30</b>	<b>Coffee Break</b>
17:30 – 18:30 Keynote IFRcC	<b>Keynote Address</b> Regulatory T cells in autoimmunity (Prof. Shimon Sakaguchi, Experimental Immunology, Immunology Frontier Research Center, Osaka University, Japan)
	<b>Bonn Technology Campus Reception (BMZ) &amp; Speakers' Dinner (Marriott)</b>

## Tuesday, November 06, 2018

09:00 – 09:25 PI Talk Bonn	Nucleic acid immunity: overview and recent insights (Prof. Gunther Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany)
09:25 – 09:55 IFReC Speaker	Paired receptors in host-pathogen interaction (Prof. Hisashi Arase, Immunochemistry, Immunology Frontier Research Center, Osaka University, Japan)
09:55 – 10:15 Early Career Talk	G-quadruplexes and their implication in biology (Prof. Katrin Paeschke, Medical Clinic III for Oncology, Hematology and Rheumatology, University Hospital Bonn, Germany)
10:15 – 10:30 Selected from abstracts	DNA Inflammasome Formation In Human Myeloid And Non-Myeloid Cells (Maximilian Nastaly, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany)
10:30 – 10:45 Selected from abstracts	NLRP3 is The Innate Immune Sensor for Clostridium difficile Toxins A and B in Human Macrophages (Dr. Matthew Mangan, Institute of Innate Immunity, University of Bonn, Germany)
<b>10:45 – 11:05</b>	<b>Coffee break</b>
11:05 – 11:35 IFReC Speaker	Regulation of B cell tolerance by epigenetic factors (Prof. Tomohiro Kurosaki, Lymphocyte Differentiation, Immunology Frontier Research Center, Osaka University, Japan)
11:35 – 12:05 PI Talk Bonn/ Keynote Bonn	Variation and adaptation in innate immune responses (Prof. Mihai Netea, Immunology and Metabolism, LIMES Institute, University of Bonn, Germany & Experimental Medicine, Department of Internal Medicine, Nijmegen University Medical Center, The Netherlands)
12:05 – 12:25 Early Career Talk	Understanding human innate immune training (Dr. Andreas Schlitzer, Myeloid Cell Biology, LIMES Institute, University of Bonn, Germany)
12:25 – 12:50 PI Talk Bonn	Rule-based data-informed generation of cellular consensus maps (Prof. Joachim L. Schultze, Genomics and Immunoregulation, LIMES Institute, University of Bonn, Germany)
<b>12:50 – 13:35</b>	<b>Lunch</b>
13:35 – 14:00 PI Talk Bonn	The endocannabinoid system in ageing and age-related disorders (Prof. Andreas Zimmer, Institute of Molecular Psychiatry, University of Bonn, Germany)
14:00 – 14:15 Selected from abstracts	The Role of the Cannabinoid Receptor 1 in Stress-induced Inflammation and Behaviour (Eva Beins, Institute of Molecular Psychiatry, University of Bonn, Germany)
14:15 – 14:40 PI Talk Bonn	Innate Immune activation in Alzheimer's disease (Prof. Michael Heneka, Department of Neurodegenerative Diseases & Gerontopsychiatry/ Neurology, University Hospital Bonn, Germany)
14:40 – 14:55 Selected from abstracts	NLRP3 Knockout Protects From Tau Pathology In Tau22 Mice (Dr. Christina Ising, Department of Neurodegenerative Diseases & Gerontopsychiatry/ Neurology, University Hospital Bonn, Germany)
<b>14:55 – 15:50</b>	<b>Poster Session with Coffee</b>
15:50 – 16:05 Selected from abstracts	Murine Eosinophil Extracellular Traps mediate entrapping of Microfilariae of the Rodent Filarial Nematode <i>Litomosoides sigmodontis</i> (Alexandra Ehrens, Institute of Medical Microbiology, Immunology and Parasitology, University of Bonn, Germany)

16:05 – 16:20 Selected from abstracts	<b>Dietary Salt Consumption Induces a Specific Proinflammatory Response in the Macrophage Compartment</b> (Dr. Buqing Yi, Molecular Immunology and Cell Biology, LIMES Institute, University of Bonn, Germany)
16:20 – 16:40 PI Talk Bonn/ Translational group	<b>Type I IFN in liver fibrosis; an indisputable harassing factor</b> (Dr. Zeinab Abdullah, Institute of Experimental Immunology, University of Bonn, Germany)
16:40 – 17:05 PI Talk Bonn	<b>Constitutive RIG-I Activation Causes Skin Lesion Resembling Psoriasis in Mice</b> (Prof. Hiroki Kato, Institute of Cardiovascular Immunology, University of Bonn, Germany)
<b>17:05 – 17:15</b>	<b>Coffee break</b>
17:15 – 18:15 Keynote IFRcC	<b>Keynote Address</b> <b>RNA degradation controls inflammation</b> (Prof. Shizuo Akira, Host Defence, Immunology Frontier Research Center, Osaka University, Japan)
18:15 – 18:45	<b>Awards &amp; Closing remarks</b>
	<b>Congress Party (Stella Rheni)</b>