
**International Conference on
Molecular Mechanisms of Inflammation**

June 3-6 2019
Trondheim, Norway

Registration and all symposia will take place at Kunnskapssenteret, St. Olavs Hospital.

Program

Monday June 3

1600 – 1800	Registration of participants at Kunnskapssenteret, St Olavs Hospital
1800 – 1900	Symposium Opening
1800	Opening remarks by Dean Bjørn Gustafsson and CEMIR Director Terje Espevik, NTNU
1815 – 1900	EMBO Keynote lecture : Fiona Powrie, UK <i>Chair: Terje Espevik</i> <i>Title: Gut reactions: Immune pathways in the intestine in health and disease</i>
1930	Concert in Nidaros Cathedral
2030	Welcome Reception at To Tårn (drinks, snack food)

Tuesday June 4

0830 – 1200	Session 1: Re-programming of Innate Cells / Innate Cell Biology <i>Chair: Egil Lien</i>	
0830 – 0900	Eicke Latz, DE	<i>Metabolic reprogramming and the transcriptional response in macrophages</i>
0900 – 0930	Douglas Golenbock, USA	<i>Trained Innate Immunity in Malaria</i>
0930 – 0950	Willianne Hoepel	<i>Human IgG subclasses induce bacteria and virus-specific immunity through differential signaling and metabolic reprogramming by FcγRIIa</i>
0950 - 1015	Coffee Break	
1015 – 1045	Clare Pridans, UK	<i>New rodent models for studying macrophage development and function</i>
1045 – 1115	Geir Bjørkøy, NO	<i>IL-6 secreted from ovarian carcinoma cells induce autophagy and cancer cachexia</i>
1115 – 1135	Ben Wielock	<i>HIF-2α is a fundamental regulator of migration in PHD2-deficient neutrophils</i>
1135 – 1155	Martina Borroni	<i>mRNA decay determines tissue protection by resident macrophages</i>
1200 – 1315	Lunch (Laboratory Centre)	
1315 – 1500	Session 2: Inflammatory Signaling Pathways <i>Chair: Richard Kandasamy</i>	
1315 – 1345	Andrea Ablasser, CH	<i>cGAS (in)action: regulation of innate DNA sensing</i>
1345 – 1415	Veit Hornung, DE	<i>Inflammasome signalling in the human system</i>
1415 – 1435	Anna Gram	<i>Species-specific differences in flagellin-mediated inflammasome activation</i>
1435 – 1455	Ann Kristin de Regt	<i>5'-monophosphate mediates immunotolerance of endogenous RNA to RIG-I recognition</i>
1500 – 1530	Coffee Break	
1530 – 1730	Session 3: Inflammation in Cancer Progression and Bone Loss <i>Chair: Menno Oudhoff</i>	
1530 – 1600	Aline Bozec, DE	<i>Arginase-1 inhibition by the transcription factor Fra-1 in macrophages exacerbates inflammatory arthritis</i>
1600 - 1630	Therese Standal, NO	<i>Multiple myeloma bone disease: do immunoglobulins play a role?</i>
1630 – 1650	Styliani Iliaki	<i>Identification and characterization of novel CARD14-interacting proteins</i>

1650 – 1710	Yvonne Dombrowski	<i>The role of inflammasomes and IL-1beta in sterile CNS damage and regeneration</i>
1710 – 1730	Korbinian Bösl	<i>Critical Nodes of Virus–Host Interaction Revealed Through an Integrated Network Analysis</i>
1800 – 2100	Poster Presentations /snack (warm and cold) : MTFS	

Wednesday June 5

0830 – 1140	Session 4: Intracellular Infections <i>Chair: David Underhill</i>	
0830 – 0900	Warner Greene, USA	<i>HIV, CD4 T Lymphocytes, and Fiery Deaths</i>
0900 – 0930	Katrin Mayer-Barber, USA	<i>Innate Effector cells during Mycobacterium tuberculosis Infection</i>
0930 – 0950	Hany Meås	<i>Sensing of HIV-1 by TLR8 activates human T cells and reverses latency</i>
0950 - 1015	Coffee Break	
1015 – 1045	Trude Helen Flo, NO	<i>Balancing life and death in mycobacterium-infected macrophages</i>
1045 – 1115	Felix Randow, UK	<i>How cells defend themselves against invasive bacteria</i>
1115 – 1135	Susanne Herbst	<i>The Parkinson's disease kinase LRRK2 senses membrane damage caused by intracellular pathogens</i>
1135 - 1155	Matthew Mangan	<i>NLRP3 is the innate immune sensor for Clostridium difficile toxin B in human macrophages</i>
1200 – 1315	Lunch (Lab. Centre)	
1315 – 1630	Session 5: Inflammatory Cell Death <i>Chair: Trude Helen Flo</i>	
1315 – 1345	Arturo Zychlinsky, DE	<i>NETs and chromatin in immunity</i>
1345 – 1415	EMBO Young Investigator Lecture: Petr Broz	<i>Regulation of gasdermin-D-induced cell death</i>
1415 – 1435	Gabriel Sollberger	<i>Gasdermin D is a key executioner in the formation of neutrophil extracellular traps</i>
1435 – 1455	Ingrid Nyhus Moen	<i>IAP antagonists shift human osteoclasts to cell death</i>
1500 - 1530	Coffee Break	
1530 – 1600	Egil Lien, USA	<i>Bacterial secretion systems and interactions with inflammasomes, gasdermins and cell death pathways</i>

1600 - 1630	Edward Miao	<i>Infectious models reveal a unique role for caspase-7 after cytotoxic lymphocyte attack</i>
1630 - 1650	Carlos Donado	<i>A two-cell model for IL-1β release mediated by death receptor signaling</i>
1700 -	Optional activities (own expense – need to sign up)	

Thursday June 6

0830 – 1200	Session 6: Cell Intrinsic Defenses and Compartmentalized Signaling <i>Chair: Geir Bjørkøy</i>	
0830 – 0900	Lynda Stuart, USA	<i>Transposing screening for novel innate immune players</i>
0900 – 0930	Anne Simonsen, NO	<i>Regulation of autophagy by lipid-binding proteins</i>
0930 – 0950	Adriana Mantegazza	<i>Phagolysosomal signaling regulates inflammasome positioning and silencing by autophagy in dendritic cells via modulation of mTOR</i>
0950 – 1015	Coffee Break	
1015 – 1045	Harald Stenmark, NO	<i>Lysosome repair in cell survival and host-pathogen interactions</i>
1045 - 1115	Mariia Yurchenko, NO	<i>TICAM2-SLAMF1 interaction: impact on signaling via Toll-like receptors</i>
1115 – 1135	Manuele Rebsamen	<i>A critical role for the interferon-induced protein CXorf21 in SLC15A4-mediated regulation of endosomal TLR function</i>
1135 - 1155	Harald Husebye	<i>The TLR4 adaptor TRAM controls the phagocytosis of Gram-negative bacteria by interacting with the Rab11-family interacting protein 2</i>
1200 – 1315	Lunch (outside KA 12)	
1315 – 1450	Session 7: Complement and Cardiovascular Disease <i>Chair: Therese Standal</i>	
1315 – 1345	Claudia Kemper, USA	<i>The Complosome as key regulator of cell metabolism</i>
1345 – 1415	Tom Eirik Mollnes, NO	<i>Complement C5 conformation is critical for thrombin-mediated cleavage revealed by a novel human whole blood model</i>
1415 – 1435	Nathalie Niyonzima	<i>The intracellular C5 system is critical to DAMP sensing and cellular responses in human monocytes</i>
1435 - 1455	Gabriela Silva	<i>The NLRP3 inflammasome expression by maternal and fetal cells in the uterine wall and association with preeclampsia development</i>
1500 – 1530	Coffee Break	
1530 – 1800	Session 8: Gut Inflammation	

	<i>Chair: Arne Sandvik</i>	
1530 – 1600	David Underhill, USA	<i>A Role for the Fungal Microbiota in Crohn's Disease?</i>
1600 – 1630	Menno Oudhoff, NO	<i>Epigenetic Regulation of the Intestinal Epithelium in Homeostasis and Disease</i>
1630 - 1700	Ken Cadwell, USA	<i>Host adaptations to microbial diversity</i>
1700 - 1720	Naveen Parmar	<i>Decoding the role of the H3K4 demethylase LSD1 in mediating host defense against intestinal pathogens</i>
1745 - 1800	Closing : Terje Espevik	
2000 -	Gala Dinner: Restaurant Jossa, Address: Ladeveien 9	