

Thursday, October 26, 2023

		Keynote speaker
08:00 - 08:45	Registration	Talk
08:45 - 09:00	Welcome	Short talk
SESSION I - Mechanisms of nucleic acid sensing I		
09:00 - 09:45	Sun Hur Keynote Lecture Innate immune mechanism for self vs. non-self RNA discrimination	
09:45 - 10:10	Andrea Ablasser to be announced	
10:10 - 10:35	Veit Hornung Detection of endogenous RNA by Toll-like receptors	
10:35 - 11:05	Coffee & Refreshments	
11:05 - 11:20	Mauro Castello Sanjuan Deciphering the interactions between RNA viruses and retrotransposons in <i>Drosophila melanogaster</i>	
11:20 - 11:45	Simon Alberti Biomolecular condensates as sensors of nucleic acids	
11:45 - 12:10	Toshiyuki Shimizu Structural study of nucleic acid sensing Toll-like receptors	
12:10 - 13:40	Lunch	incl. Poster viewing
SESSION II - Mechanisms of nucleic acid sensing II		
13:40 - 14:05	James Chen Igniting an immune response with cGAS	
14:05 - 14:20	Pengbiao Xu Mechanism and Structure of cGAS nuclear degradation	
14:20 - 14:45	Jean-Luc Imler cGAS-like receptor mediated antiviral immunity in <i>Drosophila</i> flies	
14:45 - 15:10	Glen Barber Identification of key nucleic acid dependent, innate-inducible genes required for cellular immunogenicity	
15:10 - 15:40	Coffee	
15:40 - 16:05	Nan Yan STING trafficking and signaling activities	
16:05 - 16:20	Hachung Chung Long 3'UTRs predispose neurons to inflammation by promoting dsRNA formation	
16:20 - 16:45	Andreas Linkermann Mechanisms of siRNA-mediated sensitization of ferroptosis	
16:45 - 17:10	Cynthia Sharma CRISPR/Cas immune systems in bacterial pathogens - from biology to applications	
17:10 - 17:35	Leonie Unterholzner The innate immune response to nuclear DNA damage and replication stress	
17:35 - 19:30	Poster session I	
20:00	Speakers Dinner	

Friday, October 27, 2023

SESSION III - Discrimination of self and non-self nucleic acids		
08:45 - 09:10	Nicolas Manel Activation of intracellular innate sensors	
09:10 - 09:35	Christian Zierhut Innate immune self-DNA sensing and cell fate during genotoxic stress	
09:35 - 10:00	Jan Rehwinkel MDA5 guards against infection by surveying cellular RNA homeostasis	
10:00 - 10:45	Coffee & Refreshments	
SESSION IV - Disorders of nucleic acid immunity		
10:45 - 11:10	Paul Lehner How immunosurveillance by HUSH protects your genome from reverse genetic flow	
11:10 - 11:35	Raphaella Goldbach-Mansky When misspellings provide new insights: ... Lessons from patients with autoinflammatory diseases	
11:35 - 12:00	Hiroki Kato RIG-I-like receptors and type I interferonopathies	
12:00 - 13:30	Lunch	incl. Poster viewing
13:30 - 13:55	Simone Caielli An unconventional novel mechanism of IL-1b secretion that requires type I IFN in SLE monocytes	
13:55 - 14:20	Min Ae Lee-Kirsch UNC93B1 variants cause TLR7-dependent autoimmunity	
14:20 - 14:35	Michael Gantier 3-base long 2'-O-Methyl oligonucleotides are potent TLR7 and TLR8 modulators	
14:35 - 15:00	Olivia Majer Disrupting the degradative sorting of TLR7 triggers human lupus	
15:00 - 15:30	Coffee	
15:30 - 16:15	Jean-Laurent Casanova Keynote Lecture From second thoughts on the germ theory to a full-blown host theory	
16:15 - 16:40	Filomeen Haerynck GTF3A: A novel player in viral sensing by transcribing host-derived RIG-I ligands	
16:40 - 17:05	Claudia Günther Chronic ER stress promotes cGAS/mtDNA-induced autoimmunity via ATF6 in myotonic dystrophy type 2	
17:05 - 18:45	Poster session II	
18:45 - 19:15	International Society of Nucleic Acid Immunity Establishing Meeting (public)	
19:15 - 19:25	TRR237 PI Meeting (exclusively TRR237)	
19:30	Conference Dinner	

Saturday, October 28, 2023

SESSION V - Nucleic acid driven immunopathology		
08:45 - 09:10	Eva Bartok Nucleic acid sensing and trained immunity	
09:10 - 09:35	Yanick Crow 'Type I interferonopathies' - a useful concept or not?	
09:35 - 09:50	Martin Schlee A conserved isoleucine in the binding pocket of RIG-I controls immune tolerance to mitochondrial RNA	
09:50 - 10:15	Moritz Gaidt Virulence factor-triggered innate immune sensing	
10:15 - 10:40	Gunther Hartmann Application of RIG-I oligonucleotide ligands in immunotherapy of cancer and of viral infection	
10:40 - 10:55	Manuele Rebsamen SLC15A4 and TASL form a druggable signalling complex required for TLR7-9-induced proinflammatory responses	
10:55 - 11:25	Coffee & Refreshments	
11:25 - 11:50	Anne Krug Coordinated activation of human dendritic cell and monocyte subpopulations by yellow fever vaccination	
11:50 - 12:15	Soren Paludan Activation of NF-kB through the cGAS-STING pathway	
12:15 - 12:30	Jonathan Maelfait ZBP1 forms amyloidal signalling complexes upon recognition of Z-RNA/DNA	
12:30 - 12:55	Katrin Paeschke Viral hijacking of hnRNPH1 unveils a G-quadruplex driven mechanism of stress control	
12:55 - 13:10	Closing remarks & Poster Prices	
13:10	End of meeting	

Optional social activity - Exhibition at the Hygiene Museum



International
Conference on
**Nucleic Acid
Immunity**



26th - 28th
October 2023

Hygiene Museum
Dresden, Germany

