


2nd Annual Meeting of the International Society of Nucleic Acid Immunity 2025

NAIS25 PROGRAM



September 29 - 30
Nymphenburg Castle
Munich - Germany

2nd Annual Meeting of the International Society of Nucleic Acid Immunity 2025

MONDAY, September 29th

08:00 - 09:00 Registration

Topic: Toll-like Receptors and Autoimmunity

Chair: Veit Hornung

09:00 - 09:30 **Shizuo Akira**, The University of Osaka
"From the discovery of TLRs to mRNA vaccine."

09:30 - 09:45 **Michael Gantier**, Hudson Institute of Medical Research
"2'-O-methyl ribosomal RNA fragments are bona fide TLR13 antagonists."

09:45 - 10:15 **Gregory Barton**, UC Berkeley
"Defining the mechanisms that restrict Toll-like receptor-driven autoimmunity."

10:15 - 10:45 ☕ Coffee break

Topic: DNA and cGAS-STING Pathways

Chair: Gunther Hartmann

10:45 - 11:15 **Conggang Zhang**, Tsinghua University
"cGAMP Dynamics and New STING Agonist Binding Pocket in cGAS-STING Pathway."

11:15 - 11:30 **Theresia Gutmann**, Max Planck Institute of Molecular Cell Biology and Genetics
"A Moonlighting Function of the Coronaviral Nucleocapsid Protein in Suppressing cGAS Activation."

11:30 - 11:45 **Rayk Behrendt**, University Hospital Bonn
"Retroelement exonization in the murine ZBP1 locus generated a Z-nucleic acid decoy receptor that averts immunopathology"

11:45 - 12:00 **Daxing Gao**, University of Science and Technology of China
"From Cytosolic Sensor to Lymphoid Architect: cGAS Orchestrates TLS formation."

12:00 - 13:30 🍽️ Lunch break

Topic: RNA Sensing and Antiviral Pathways

Chair: Martin Schlee

13:30 - 14:00 **Olivia Majer**, Cincinnati Children's Hospital Medical Center
"Trained to respond: Microbial Priming potentiates TLR7-Driven Myddosome Assemblies."

14:00 - 14:30 **Michaela Gack**, Cleveland Clinic Foundation
"Host RNA Sensing by RLRs in Innate immunity and Beyond."

14:30 - 15:00 ☕ Coffee break

Chair: Søren Riis Paludan

15:00 - 15:15 **Indra Bekere**, Technical University of Munich
"Spatial coordination of viral dsRNA sensing by OAS proteins."

15:15 - 15:30 **Felix Bender**, University Hospital Bonn
"Molecular Characterization of Natural RIG-I-Like Receptor Agonists."

15:30 - 16:00 **Russell Vance**, UC Berkeley / HHMI
"Down a rabbit hole: an effector-triggered innate immune mechanism for sensing poxviruses."

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TUESDAY, September 30th

Chair: Stefan Bauer

09:00 - 09:30 **Sun Hur**, Harvard Medical School
“Anti-MDA5 and extracellular RNA in autoimmune disease.”

09:30 - 09:45 **Laurens ter Haar**, Leiden University Medical Center
“The endoribonuclease Dicer is required for cell-intrinsic immunity to self RNA.”

Topic: Nucleic Acid Immunity and Systemic Disease

Chair: Min Ae Lee-Kirsch

09:45 - 10:15 **Anna Kajaste**, University of Pavia
“Insight into Nucleic Acid Immunity in the Central Nervous System: implications in therapy and disease.”

10:15 - 11:45  Poster Session with Coffee

11:45 - 13:15  Lunch break & Meet the Speakers Session

13:15 - 13:45 **Carola Vinuesa**, Francis Crick Institute
“Systemic Autoimmunity and the Perils of RNA Sensing.”

13:45 - 14:00 **Philipp Schult**, University Hospital Bonn
“Deciphering structural and epitranscriptomic codes in immunity and viral infection.”

14:00 - 14:15 **Sara Macias**, University of Edinburgh
“Is 22q11.2 deletion syndrome a type I interferonopathy?”

14:15 - 14:45  Coffee break

Chair: Yanick Crow

14:45 - 15:15 **Osamu Takeuchi**, Kyoto University
“mRNA regulation in the control of immune responses: Regnase-1 as a key brake on inflammation”

15:15 - 15:45 **Eicke Latz**, German Rheumatology Research Centre
“Breaking the nucleus.”

15:45 - 16:00 Final remarks

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Speakers



Shizuo Akira
Osaka University



Gregory Barton
UC Berkeley



Michaela Gack
Cleveland Clinic Foundation



Sun Hur
Harvard Medical School



Anna Kajaste
University of Pavia



Eicke Latz
German Rheumatology
Research Centre



Olivia Majer
Cincinnati Children's
Hospital Medical Center



Osamu Takeuchi
Kyoto University



Russell Vance
UC Berkeley / HHMI



Carola Vinuesa
Francis Crick Institute



Conggang Zhang
Tsinghua University



Rayk Behrendt
University Hospital Bonn

 **Keynote Speaker**

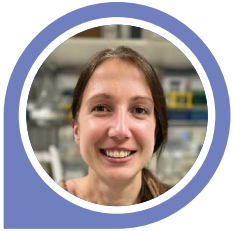
 **Invited Speaker**

 **Short Talk Speaker**

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Speakers



Indra Bekere
Technical University of
Munich



Felix Bender
University Hospital Bonn



Michael Gantier
Hudson Institute of Medical
Research



Daxing Gao
University of Science and
Technology of China



Theresia Gutmann
Max Planck Institute of
Molecular Cell Biology and
Genetics



Sara Macias
University of Edinburgh



Philipp Schult
University Hospital Bonn



Laurens ter Haar
Leiden University Medical
Center

Organizers



Veit Hornung
Ludwig-Maximilians-
University Munich



Gunther Hartmann
University Hospital Bonn



Min Ae Lee-Kirsch
Technical University of
Dresden

Coordinators

Simon Görgen
University Hospital Bonn
NAIS | TRR237
simon.goergen@uni-bonn.de

Sabine Bergelt
LMU Munich | TRR237

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Supporters



**Carl Friedrich
von Siemens Stiftung**



ImmunoSensation²
the immune sensory system **Bonn cluster of excellence**

Oktoberfest



Oktoberfest

September 20 to October 5, 2025

The world-famous Oktoberfest will take place in Munich at the Theresienwiese during NAIS25. This iconic festival celebrates Bavarian tradition with local cuisine, Munich beer, and countless attractions, drawing millions of visitors from around the globe each year. Don't miss the opportunity to experience the vibrant atmosphere of Oktoberfest during your stay!

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Information



September 29-30, 2025



Organizers

Veit Hornung
Gunther Hartmann
Min Ae Lee-Kirsch



Venue

**Carl Friedrich von
Siemens Stiftung**

Schlossrondell 23



**Laim
Station**



**Munich Hbf
Central Station**



**Theresienwiese
Oktoberfest**



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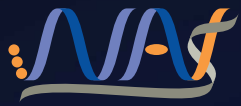


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