

# **Neutrophil Extracellular Traps**

**16 – 17 November 2017**

**Berlin**

**Thursday, 16 November**

**11:00 – 12:30 Mechanism I**

**Chair: Thea Tilley, Max Planck Institute for Infection Biology**

11:00 – 11:30 Venizelos Papayannopoulos, The Francis Crick Institute:  
NETs in infection and disease

11:30 – 12:00 Borko Amulic, University of Bristol:  
NETosis and cell cycle reentry

12:00 – 12:30 Matthew Denholtz, University of California, San Diego:  
Neutrophil genome organization and NETosis

12:30 – 14:00 Lunch

**14:00 – 15:30 Mechanism II**

**Chair: Garth Burn, Max Planck Institute for Infection Biology**

14:00 – 14:30 Kate Schroder, The University of Queensland:  
Non-canonical inflammasome and NETs

14:30 – 15:00 Gabriel Sollberger, Max Planck Institute for Infection Biology:  
The end of NETosis

15:00 – 15:30 Paul Kubes, University of Calgary:  
Studying NETs in vivo

15:30 – 16:00 Coffee break

16:30 – 17:00 Set up of posters

17:00 – 19:30 Poster session

20:00 – 21:30 Dinner

## Friday, 17 November

8:00 – 9:00 Breakfast

### 9:00 – 10:30 Infection

**Chair: Lorenz Knackstedt, Max Planck Institute for Infection Biology**

9:00 – 9:30 Victor Nizet, University of California, San Diego:  
Pathogen evasion of NET killing and potential pharmacological counterstrategies

9:30 – 10:00 Martha Hawes, The University of Arizona:  
Extracellular DNA trapping in plant defense

10:00 – 10:30 Axel Brakhage, Friedrich Schiller University Jena:  
NETs against the human-pathogenic fungus *Aspergillus fumigatus*

10:30 – 11:00 Coffee break

### 11:00 – 12:30 Autoimmunity

**Chair: Elaine Kenny, Max Planck Institute for Infection Biology**

11:00 – 11:30 Martin Herrmann, University Hospital Erlangen:  
NET formation and aggregation in inflammatory diseases

11:30 – 12:00 Mariana Kaplan, National Institutes of Health:  
NETs and autoimmunity

12:00 – 12:30 Hans-Uwe Simon, University of Bern:  
Understanding the molecular mechanism of NET formation: The mitochondrial-cytoskeletal interaction

12:30 – 14:00 Lunch

### 14:00 – 15:30 Inflammation

**Chair: Falko Apel, Max Planck Institute for Infection Biology**

14:00 – 14:30 Mikala Egeblad, Cold Spring Harbor Laboratory:  
Neutrophil Extracellular Traps promote breast cancer metastasis and escape from dormancy

14:30 – 15:00 Paul Frenette, Albert Einstein College of Medicine:  
NETs, stress and inflammation in sickle cell disease

15:00 – 15:30 Denisa Wagner, Harvard Medical School:  
The nuclear threat within us