List of Speakers

Gitta Coaker
College of Biological Sciences
University of California Davis

Ivan Dikic
Goethe University, Frankfurt am Main

Stephanie C. Eisenbarth
Yale School of Medicine, New Haven

Gunther Hartmann
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Veit Hornung
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Thomas Kufer
Institute for Medical Microbiology, Immunology and Hygiene, Cologne

Eicke Latz
Institute of Innate Immunity
University Hospital Bonn

Michael T. Lotze
McGowan Institute for Regenerative Medicine, University of Pittsburgh

Takaki Maekawa
Max Planck Institute for Plant Breeding Research, Cologne

Jane Parker
Max Planck Institute for Plant Breeding Research, Cologne

Manolis Pasparakis
Institute for Genetics
University of Cologne

Philip Rosenstiel
Institute of Clinical Molecular Biology, Kiel

Yusuke Sajo
Max Planck Institute for Plant Breeding Research, Cologne

Maya Saleh
Department of Medicine
McGill Life Sciences Complex, Montreal

Steven H. Spoel
Institute of Molecular Plant Sciences, University of Edinburgh

Tsan Sam Xiao
National Institute of Allergy and Infectious Diseases, Bethesda, USA

Cyril Zipfel
The Sainsbury Laboratory, Norwich UK

Scientific coordinators

Gunther Hartmann
Martin Krönke
Jane Parker
Paul Schulze-Lefert

List of Speakers

Gitta Coaker
College of Biological Sciences
University of California Davis

Ivan Dikic
Goethe University, Frankfurt am Main

Stephanie C. Eisenbarth
Yale School of Medicine, New Haven

Gunther Hartmann
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Veit Hornung
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Thomas Kufer
Institute for Medical Microbiology, Immunology and Hygiene, Cologne

Eicke Latz
Institute of Innate Immunity
University Hospital Bonn

Michael T. Lotze
McGowan Institute for Regenerative Medicine, University of Pittsburgh

Takaki Maekawa
Max Planck Institute for Plant Breeding Research, Cologne

Jane Parker
Max Planck Institute for Plant Breeding Research, Cologne

Manolis Pasparakis
Institute for Genetics
University of Cologne

Philip Rosenstiel
Institute of Clinical Molecular Biology, Kiel

Yusuke Sajo
Max Planck Institute for Plant Breeding Research, Cologne

Maya Saleh
Department of Medicine
McGill Life Sciences Complex, Montreal

Steven H. Spoel
Institute of Molecular Plant Sciences, University of Edinburgh

Tsan Sam Xiao
National Institute of Allergy and Infectious Diseases, Bethesda, USA

Cyril Zipfel
The Sainsbury Laboratory, Norwich UK

Scientific coordinators

Gunther Hartmann
Martin Krönke
Jane Parker
Paul Schulze-Lefert

List of Speakers

Gitta Coaker
College of Biological Sciences
University of California Davis

Ivan Dikic
Goethe University, Frankfurt am Main

Stephanie C. Eisenbarth
Yale School of Medicine, New Haven

Gunther Hartmann
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Veit Hornung
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Thomas Kufer
Institute for Medical Microbiology, Immunology and Hygiene, Cologne

Eicke Latz
Institute of Innate Immunity
University Hospital Bonn

Michael T. Lotze
McGowan Institute for Regenerative Medicine, University of Pittsburgh

Takaki Maekawa
Max Planck Institute for Plant Breeding Research, Cologne

Jane Parker
Max Planck Institute for Plant Breeding Research, Cologne

Manolis Pasparakis
Institute for Genetics
University of Cologne

Philip Rosenstiel
Institute of Clinical Molecular Biology, Kiel

Yusuke Sajo
Max Planck Institute for Plant Breeding Research, Cologne

Maya Saleh
Department of Medicine
McGill Life Sciences Complex, Montreal

Steven H. Spoel
Institute of Molecular Plant Sciences, University of Edinburgh

Tsan Sam Xiao
National Institute of Allergy and Infectious Diseases, Bethesda, USA

Cyril Zipfel
The Sainsbury Laboratory, Norwich UK

Scientific coordinators

Gunther Hartmann
Martin Krönke
Jane Parker
Paul Schulze-Lefert

International Symposium
Collaborative Research Center
CRC 670 Cell-autonomous Immunity

“Recognition complexes in Innate Immunity of Plants, Animals and Man”

Venue:
Max Planck Institute for Plant Breeding Research, Cologne
Carl-von-Linné-Weg 10
50829 Cologne

November 12-13, 2012

Useful links

• http://sfb670.uk-koeln.de
• http://www.uni-koeln.de
• http://www3.uni-bonn.de
• http://www.mpiz-koeln.mpg.de
• http://www.koeln.de

Directions

By train
Arrival at Cologne main train station (Köln Hauptbahnhof)
• Take tube line #5 (direction Am Butzweiler Hof), get off at stop Subbelrather Straße/Gürtel.
• Change here for bus #141 (direction Vogelsang) or bus # 143 (direction Bocklemünd). The bus stop is located opposite the crossroads on Subbelrather Straße. Get off at stop Goldammerweg.
• Walk (for approx. 15 min.) straight on Vogelsanger Straße and Carl-von-Linné-Weg (cross railway lines and motorway, pass farm on the right-hand side, cross Belvederestr.).
• Take city train „S12“ (direction Duren/Sindorf) or „S13“ (direction Horrem), get off at stop Köln Ehrenfeld (regional train station).
• Change here for bus #141 (direction Vogelsang) or bus # 143 (direction Bocklemünd). The bus stop is located near the rear exit of the regional train station. Get off at stop Goldammerweg.
• Walk (for approx. 15 min.) straight on Vogelsanger Straße and Carl-von-Linné-Weg (cross railway lines and motorway, pass farm on the right-hand side, cross Belvederestr.).

By car:
Motorway A1 (north): Take the Bocklemünd exit (# 102), turn left at crossroads, drive along Venloer Straße, direction Köln-Zentrum. After approx. 2 km turn right at crossroads, drive along „Militärring“. After approx. 1 km turn right and follow the signs to the Max Planck Institute.

Motorway A1 (south): Take the Lövenich exit (# 103), turn right at crossroads, drive along Aachener Straße, direction Köln-Zentrum. After approx. 1 km turn right towards direction A1 (north), A57 (north), Ossendorf, (Militärring). Turn left at next crossroads (T crossing), take the third exit and follow the signs to the Max Planck Institute.

List of Speakers

Gitta Coaker
College of Biological Sciences
University of California Davis

Ivan Dikic
Goethe University, Frankfurt am Main

Stephanie C. Eisenbarth
Yale School of Medicine, New Haven

Gunther Hartmann
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Veit Hornung
Institute for Clinical Chemistry and Clinical Pharmacology
University Hospital Bonn

Thomas Kufer
Institute for Medical Microbiology, Immunology and Hygiene, Cologne

Eicke Latz
Institute of Innate Immunity
University Hospital Bonn

Michael T. Lotze
McGowan Institute for Regenerative Medicine, University of Pittsburgh

Takaki Maekawa
Max Planck Institute for Plant Breeding Research, Cologne

Jane Parker
Max Planck Institute for Plant Breeding Research, Cologne

Manolis Pasparakis
Institute for Genetics
University of Cologne

Philip Rosenstiel
Institute of Clinical Molecular Biology, Kiel

Yusuke Sajo
Max Planck Institute for Plant Breeding Research, Cologne

Maya Saleh
Department of Medicine
McGill Life Sciences Complex, Montreal

Steven H. Spoel
Institute of Molecular Plant Sciences, University of Edinburgh

Tsan Sam Xiao
National Institute of Allergy and Infectious Diseases, Bethesda, USA

Cyril Zipfel
The Sainsbury Laboratory, Norwich UK

Scientific coordinators

Gunther Hartmann
Martin Krönke
Jane Parker
Paul Schulze-Lefert

International Symposium
Collaborative Research Center
CRC 670 Cell-autonomous Immunity

“Recognition complexes in Innate Immunity of Plants, Animals and Man”

Venue:
Max Planck Institute for Plant Breeding Research, Cologne
Carl-von-Linné-Weg 10
50829 Cologne

November 12-13, 2012

Useful links

• http://sfb670.uk-koeln.de
• http://www.uni-koeln.de
• http://www3.uni-bonn.de
• http://www.mpiz-koeln.mpg.de
• http://www.koeln.de

Directions

By train
Arrival at Cologne main train station (Köln Hauptbahnhof)
• Take tube line #5 (direction Am Butzweiler Hof), get off at stop Subbelrather Straße/Gürtel.
• Change here for bus #141 (direction Vogelsang) or bus # 143 (direction Bocklemünd). The bus stop is located opposite the crossroads on Subbelrather Straße. Get off at stop Goldammerweg.
• Walk (for approx. 15 min.) straight on Vogelsanger Straße and Carl-von-Linné-Weg (cross railway lines and motorway, pass farm on the right-hand side, cross Belvederestr.).
• Take city train „S12“ (direction Duren/Sindorf) or „S13“ (direction Horrem), get off at stop Köln Ehrenfeld (regional train station).
• Change here for bus #141 (direction Vogelsang) or bus # 143 (direction Bocklemünd). The bus stop is located near the rear exit of the regional train station. Get off at stop Goldammerweg.
• Walk (for approx. 15 min.) straight on Vogelsanger Straße and Carl-von-Linné-Weg (cross railway lines and motorway, pass farm on the right-hand side, cross Belvederestr.).

By car:
Motorway A1 (north): Take the Bocklemünd exit (# 102), turn left at crossroads, drive along Venloer Straße, direction Köln-Zentrum. After approx. 2 km turn right at crossroads, drive along „Militärring“. After approx. 1 km turn right and follow the signs to the Max Planck Institute.

Motorway A1 (south): Take the Lövenich exit (# 103), turn right at crossroads, drive along Aachener Straße, direction Köln-Zentrum. After approx. 1 km turn right towards direction A1 (north), A57 (north), Ossendorf, (Militärring). Turn left at next crossroads (T crossing), take the third exit and follow the signs to the Max Planck Institute.
Dear friends and colleagues,

We would like to cordially invite you to our International Symposium “Recognition complexes in Innate Immunity of Plants, Animals and Man” in Cologne (Germany) organized by the Collaborative Research Center CRC 670 “Cell-autonomous Immunity”.

Innate immunity mediated by host germ line-encoded receptors is the first line of defence against infectious microbes and its proper regulation is fundamental for cellular homeostasis and health. This meeting brings together researchers of plant, mouse and human innate immunity to discuss recent advances in understanding the composition, dynamics and signalling properties of recognition complexes, as well as common or contrasting regulatory principles emerging from the study of these diverse organisms.

We expect fruitful discussions and are looking forward to welcoming you at the meeting in November.

Yours Sincerely

Martin Krönke
Speaker of the CRC670 “Cell-autonomous Immunity”
University of Cologne

---

## Program

### Monday, November 12, 2012

09.00 a.m **Opening Remarks**  
Martin Krönke, Coordinator of the CRC 670

09.10 a.m **Regulation of transmembrane receptor complexes during plant innate immunity**  
Cyril Zipfel, Norwich

09.50 a.m **Conservation of NLR-triggered immunity across plant lineages**  
Takaki Maekawa, Cologne

10.30 a.m **NB-LRR receptor activation of different subcellular defences in plant innate immunity**  
Jane Parker, Cologne

11.10 a.m **Coffee Break**

11.30 a.m **Inflammasome activation in chronic inflammatory diseases**  
Eicke Latz, Bonn

12.10 p.m **RIP kinase mediated necroptosis in immunity and inflammation**  
Manolis Pasparakis, Cologne

12.50 p.m **Lunch**

2.00 p.m **Ubiquitin and autophagy networks**  
Ivan Dikic, Frankfurt am Main

2.40 p.m **Inflammasome regulation in immunity and cancer**  
Maya Saleh, Montreal

3.20 p.m **Attraction of the opposites: Recognition of DNA by the innate immune receptors**  
Tsan Sam Xiao, Bethesda

4.00 p.m **Coffee Break**

4.20 p.m **Induction of antiviral immunity by intracellular DNA sensing pathways**  
Veit Hornung, Bonn

5.00 p.m **Nlrp10 is a NOD-like receptor critical at the innate-adaptive immune interface**  
Stephanie C. Eisenbarth, New Haven

5.40 p.m **Mechanisms of self-tolerance by RIG-I**  
Gunther Hartmann, Bonn

6.20 p.m **Posters and Dinner**

---

### Tuesday, November 13, 2012

08.30 a.m **“NLR functions beyond pathogen recognition”**  
Thomas Kuffer, Cologne

09.10 a.m **“NOD-like receptors-guardians of host microbiota crosstalk”**  
Philip Rosenstiel, Kiel

09.50 a.m **“Early signals of the damage associated molecular pattern molecules”**  
Michael T. Lotze, Pittsburgh

10.30 a.m **Coffee Break**

10.50 a.m **“Investigating Arabidopsis NLR innate immune complexes”**  
Gitta Coaker, Davis

11.30 a.m **“Post-translational regulation of transcription dynamics in plant immunity”**  
Steven H. Spoel, Edingburgh

12.10 p.m **“Coupling microbial recognition with danger sensing and signaling via an endogenous elicitor peptide/receptor system in plant immunity”**  
Yusuke Saijo, Cologne

12.50 p.m **Lunch and Departure**