

Academia and industry are invited to discuss recent scientific advances in

INNATE HOST DEFENCE AND INFECTIONS

FROM BASIC SCIENCE TO APPLICATIONS

Key note lectures by leading scientists will promote discussions on fundamental concepts of innate immunity as well as applied research based on innate immune components. The program includes oral and poster presentations by conference attendants.

Confirmed Key note speakers:

Soman Abraham PhD, Duke Pathology, Duke School of Medicine, Durham NC, USA
Birgitta Agerberth PhD, Karolinska Institutet, Stockholm, Sweden
Gregers R. Andersen PhD, Aarhus University, Aarhus, Denmark
Marc Bonten PhD, UMC Utrecht, Utrecht, The Netherlands
Donald J. Davidson PhD, University of Edinburgh, Edinburgh, Scotland
Piet Gros PhD, Utrecht University, Utrecht, The Netherlands
Mathias W. Hornef PhD MD, University Hospital Aachen, Aachen, Germany
Theo Jansen PhD, MSD Animal Health, Boxmeer, The Netherlands
Neeloffer Mookherjee PhD, University of Manitoba, Winnipeg MB, Canada
Helder Nakaya PhD, University of São Paulo, São Paulo, Brazil and Emory University School of Medicine, Atlanta GA, USA
Hergen Spits PhD, AMC Amsterdam and CSO at AIMM Therapeutics, Amsterdam, The Netherlands
Christine Stabell Benn MD PhD, Statens Serum Institut, Copenhagen and University of Southern Denmark, Odense, Denmark
Frank van de Veerdonk PhD, Radboudumc, Nijmegen, The Netherlands
Paul Vermeij PhD, MSD Animal Health, Boxmeer, The Netherlands
Christopher Zook PhD, Zoetis, Kalamazoo, MI, USA

Date: May 18-20, 2016

Venue: Hotel Mitland, Utrecht, The Netherlands

Registration & abstract submission: www.altantconference.nl



Preliminary program ALTANT Conference 2016
Innate Host Defence and Infections From basic science to applications
18-20 May 2016, Utrecht, The Netherlands

Wednesday May 18		Thursday May 19		Friday May 20	
09:00-10:00	Poster mounting + Registration	Session 3 Innate memory		Session 7 Directing innate immune responses	
		08:30-09:00	Keynote Frank van de Veerdonk, Radboudumc, Nijmegen, The Netherlands: 'Reprogramming innate immune responses in sepsis'	09:00-09:30	Keynote Neelofter Mookherjee, Departments of Internal Medicine and Immunology, at the University of Manitoba, MB, Canada: 'Innate Defence Regulator (IDR) peptides as immunomodulatory therapy for chronic respiratory diseases'
		09:00-09:15	Mario Mauthe, University Medical Center (UMC) Groningen: ' <i>Viral infections reveal the extent of unconventional functions of the autophagy proteome</i> '	09:30-09:45	Colin Bingle, The Medical School, The University of Sheffield, Sheffield, UK: ' <i>BPIFA1 (SPLUNC1) is a pleiotropic mediator of mucosal host defence</i> '
10:00-10:15	Welcome and Opening Conference	09:15-09:30	Rafael Manez, Hospitalet de Llobregat, Barcelona, Spain: ' <i>Stimulation of immunity against gram-negative bacterial infections through the depletion of non-cytotoxic natural anti-carbohydrate antibodies</i> '	09:45-10:00	I-Ni Hsieh, Boston University, Allston, USA: ' <i>Histones act as opsonins and also directly activate inflammatory responses of phagocytes</i> '
Session 1 Immune cells: novel concepts		09:30-10:00	Keynote Christine Ståbel Benn Statens, Serum Institut, Copenhagen and University of Southern Denmark, Odense, Denmark: 'Vaccines and immune training: A new paradigm?'	10:00-11:00	Coffee break with Poster viewing 3 (posters 32-48)
10:15-10:45	Keynote Hergen Spits, AMC Amsterdam and CSO at AIMM Therapeutics in Amsterdam, The Netherlands: 'The role of Innate lymphoid cells in diseases of the respiratory tract'	10:00-11:00	Coffee break with Poster viewing 1 (posters 1-16)	Session 7 continued	
10:45-11:00	Martin Faldutya, Veterinary Research Institute, Brno, Czech Republic: ' <i>Interferon-alpha downregulates response of porcine monocyte-derived macrophages to in vitro infection with Mycobacterium avium subsp. avium - the story of CXCL10</i> '	Session 4 Vaccines		11:00-11:15	Joseph Verdi, Hunter College and the Graduate Center at the City University of New York, New York, NY, USA: ' <i>Germine transmission of targeted baboon apolipoprotein L-1 in mice protects against African trypanosomes</i> '
11:00-11:15	Annelise E. Barron, Stanford University, Stanford CA, USA: ' <i>Does the human body have a toxin/antitoxin system? Biophysical mechanisms of Yin/Yang innate immune effectors</i> '	11:00-11:30	Keynote Helder Nakaya, School of Pharmaceutical Sciences, University of São Paulo, São Paulo, Brazil: 'Applying Systems Biology Approaches to Understand Immune Responses to Infection and Vaccination'	11:15-11:30	Belen Garcia-Fojeda, University Complutense of Madrid, Madrid, Spain: ' <i>Protective role of lung surfactant against non-typable Haemophilus influenzae respiratory infection</i> '
11:15-11:45	Keynote Soman Abraham, Duke Pathology, Duke School of Medicine, Durham NC, USA: 'Mast Cell Modulation of Immunity to Pathogens'	11:30-11:45	Jeroen Langereis, Radboudumc, Nijmegen, The Netherlands: ' <i>A highly variable protein at the basis of a universal vaccine against Streptococcus pneumoniae carriage</i> '	11:30-12:00	Keynote Birgitta Agerberth, Karolinska Institutet in Stockholm, Sweden: 'Induction of Innate Antimicrobial Peptides as a Strategy for Host-Directed Therapy against Infections'
12:00-14:00	Poster viewing	11:45-12:15	Keynote Theo Jansen, MSD Animal Health, Boxmeer, The Netherlands: 'Structure-based efficacy of emulsion adjuvants'	12:00-12:30	Award Ceremony and Closing words
12:00-14:00	Lunch buffet and networking (Hall next to Conference room)	12:30-13:30	Lunch Restaurant Mitland	12:30-13:30	Take away lunch (Hall next to Conference Room)
Session 2 Host Defence Peptides		Session 5 Complement & Collectins			
14:00-14:30	Keynote Donald Davidson, University of Edinburgh / MRC Centre for Inflammation Research, Edinburgh, UK: 'Cathelicidins in host defence against bacterial and viral lung infection'	13:30-14:00	Keynote Gregers Andersen, Aarhus University, Aarhus, Denmark: 'Structural insight into the mechanism of complement activation through the lectin pathway'		
14:30-14:45	Maarten Coorens, Utrecht University, Utrecht, The Netherlands: ' <i>Sensible sensing – Cathelicidins as specific inhibitors of immune activation by neutralized gram-negatives</i> '	14:00-14:15	Anja ten Brinke, Sanquin, Amsterdam, The Netherlands: ' <i>The anaphylatoxin C5a inhibits the pro-inflammatory potential of human 6-sulfo LacNAc dendritic cells through alteration of TLR-induced ERK/p38/CREB signalling</i> '		
14:45-15:00	Martijn Riool, AMC Amsterdam, Amsterdam, The Netherlands: ' <i>Prevention of Staphylococcus aureus biomaterial-associated infections using a polymer-lipid coating containing LL-37-derived antimicrobial peptides</i> '	14:15-14:30	Suzan Rooijakkers, UMC Utrecht, Utrecht, The Netherlands: ' <i>Complement reactions on bacteria</i> '		
15:00-15:30	Ralf Hoffmann, Universität Leipzig, Leipzig, Germany: ' <i>Efficacy in murine infection models and biodistribution using administration routes in mice</i> '	14:30-15:00	Keynote Piet Gros, Utrecht University, Utrecht, The Netherlands: 'Molecular mechanisms of controlling complement activation'		
15:30-16:00	Coffee break and Welcome for guests ALTANT Conference 2016	15:00-16:00	Coffee break with Poster viewing 2 (posters 17-31)		
Official Opening		Session 6 Intestinal immunity			
16:00-16:15	Official opening by representative from Ministry of Economic Affairs	16:00-16:30	Keynote Mathias Hornef, Institute of Medical Microbiology, RWTH University Hospital Aachen, Aachen, Germany: 'Ontogeny of the mucosal innate immune response to microbial exposure in the intestine'		
16:15-16:45	Keynote Christopher Zook, Zoetis, Kalamazoo MI, USA: 'Innovation and Anti-Infective Research in Animal Health'	16:30-16:45	Judith Raschig, University Clinic Tübingen, Tübingen, Germany: ' <i>The antimicrobial mechanism of oxidized human β-Defensin 1: Interaction with the periplasmic reductases DsbA and DsbB in E.coli</i> '		
16:45-17:15	Keynote Paul Vermeij, MSD Animal Health, Boxmeer, The Netherlands: ALTANT EVAC Project insights from industrial partner	16:45-17:00	Helene Möllerherm, University of Veterinary Medicine, Hannover, Germany: ' <i>Mast cell activity in response to Staphylococcus aureus infection under hypoxia</i> '		
17:15-17:45	Keynote Marc Bonten, UMC Utrecht, Utrecht, The Netherlands: 'Tackling Antimicrobial Resistance: innovation and anti-infective research in a One Health context'	17:00-17:15	Saskia van Hemert, Winelove Probiotics, Amsterdam, The Netherlands: ' <i>Probiotic supplementation influences faecal short chain fatty acids in infants at high risk for eczema</i> '		
17:45-19:00	Network drinks and Poster viewing (Hall next to Conference room)	17:15-17:45	Marcel de Zoete, Utrecht University, Utrecht, The Netherlands: ' <i>IgA leads the way – Identifying pathogenic commensals in inflammatory bowel disease</i> '		
19:00-21:00	Dinner at Restaurant Mitland	18:00-18:30	Bus trip to city center Utrecht for Social Program		
21:00-23:00	Bowling at Hotel Mitland	18:30-23:00	Social Program in Utrecht		
		23:00	Bus return to Hotel Mitland		

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