

Programme (Draft)
Inflammatory Barrier Disease Meeting
University Hospital Kiel, Germany

July 12th – 14th 2007
Lecture Halls AUDIMAX, Christian-Albrechts-University

Thursday, 12th July 2007

10.00 Jost de Jager, Undersecretary of State (*rq.*) Opening of the Meeting
10.20 Stefan Schreiber, Kiel Scope of the Meeting

Additional / Extra-Session – Aging

Chair: F. Fändrich (Kiel), U. Fölsch (Kiel)

10.30 – 10.50 James W. Vaupel, Rostock Why do we age? Evolution and Systems Biology of Ageing
10.55 – 11.15 Kevin Flurkey, Bar Harbor follows
11.20 – 11.40 Brian K. Kennedy, Seattle Conserved Eukaryotic Longevity Determinants:
Lessons from the Invertebrate Models
11.45 – 12.05 James Adjaye, Berlin Maintenance of Self Renewal in Human Embryonic Stem Cells and its
Implications on the Ageing Process
12.10 – 12.30 Matthias Platzer, Jena Towards Genomics of a Novel Vertebrate Model for Aging Research –
The Annual Fish *Nothobranchius Furzeri*
12.35 – 12.55 Almut Nebel, Kiel Systematic Search for Genes Controlling Life Expectancy in Humans

13.00 – 14.30 Break at posters & lunch

Session - Genetic Etiology

Chair: H.-E. Wichmann (Neuherberg), H. Schunkert (Lübeck)

14.30 – 14.50 Andre Franke, Kiel Genetics of Crohn Disease - Novel Approaches, Novel Genes
14.55 – 15.15 NN Genetic Etiology of Asthma
15.20 – 15.40 Young-Ae Lee, Berlin Novel Disease Genes in Atopic Eczema
15.45 – 16.05 NN Genetic Susceptibility for Tuberculosis
16.10 – 16.30 Monika Stoll, Münster Endothelial Inflammation: Atherosclerosis
16.35 – 16.55 Michael Weichenthal, Kiel Complex Genetics of Psoriasis
17.00 – 17.20 Stephan Weidinger, München Filaggrin Mutations and Epithelial Barrier Integrity

State of the Art - Afternoon Lecture

17.30 – 18.15 Tom Johnson, Bolder / Colorado The Nematode *C. elegans*: An Anti Aging Model for Humans?

Evening program

“Get together”, Old Botanic Garden Kiel

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Friday, 13th July 2007

Session - From Genomics to Function

Chair: S. Ehlers (Borstel), T. Charkaborty (Giessen)

09.30 – 09.50 Stefan Wiemann, Heidelberg
09.55 – 10.15 Peer Bork, Heidelberg (*rq.*)
10.20 – 10.40 Diethard Tautz, Plön
10.45 – 11.05 Michele Swanson, Ann Arbor
11.10 – 11.30 Matthias Leippe, Kiel
11.35 – 11.55 Frank Takken, Amsterdam

12.00 – 12.20 Tewis Bouwmeester, Heidelberg (*rq.*)

Systematic Functional Exploration using siRNA Screening
Modelling of Functional Pathways
Mechanisms of Adaptation
Autophagy and Cellular Defense
Antimicrobial Peptides-evolutionary Aspects
Host-pathogen Interaction from Plants to Mammals –
Distinct and Shared Pathways of Immune Defense
Systematic Understanding of Immune Effects

12.30 – 14.00 Break at Posters & Lunch

**Session - Evolution of Barrier Integrity Pathways
and Novel Model Organisms**

Chair: Th. Bosch (Kiel), H. Lehrach (Berlin)

14.00 – 14.20 Jonathan Rast, Toronto
14.25 – 14.45 A. De Tomaso, Stanford
14.50 – 15.10 Fuad A. Iraqi, Tel Aviv

15.15 – 15.35 Lalita Ramakrishnan, Seattle
15.40 – 16.00 Margo Haygood, La Jolla (*rq.*)
16.05 – 16.25 Brian C. Verrelli, Tempe

Evolution of the Defensome: The Sea Urchin
Evolution of Allo-Recognition in Urochordate
Dissection the Complexity of Host Susceptibility to Infectious and Chronic
Diseases - The Collaborative Cross Mouse Population for the Rescue
A Genetic and Visual Dissection of Tuberculosis Pathogenesis in the
Transparent Zebrafish
Competition for Iron-Defense or Parasitism
Selection in Mankind and Yersinia Pestis

State of the Art - Afternoon Lecture

16.30 – 17.15 Bruno Lemaitre, Gif-sur-Yvette

Sensing and Bacterial Tolerance at the Gut Epithelium Surfaces of Drosophila

Evening program

Dinner, Restaurant September



Inflammation at Interfaces

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Saturday, 14th July 2007

**Session - Environmental Trigger Factors:
New Ideas for Prevention?**

Chair: U. Wahn (Berlin), NN



09.30 – 09.50 Sarkis Mazmanian, Pasadena
09.55 – 10.15 Stephan Ott, Kiel
10.20 – 10.40 Jürgen Heesemann, München

Evolutionary Mechanisms of Host-Bacterial Symbiosis During Health and Disease
Bacterial Populations in Human Diseases
Yersinia's Toolbox for Modulation of the Innate Immune Response of the Host



10.45 – 11.05 Rolf Hilgenfeld, Lübeck
11.10 – 11.30 NN
11.35 – 11.55 Michael Kabesch, München
12.00 – 12.20 Joachim Müller-Quernheim, Freiburg

New Resources for Nutrition Based Prevention: Substance Libraries Based on Traditional Chinese Medicine
Novel Concepts of Immunotherapy
Trigger Factors for Asthma
Is Sarcoidosis a Bacterial Disease?

12.30 – 13.30 Break at Posters & Lunch

Session - Translation to Treatments

Chair: J. Raelson (Montreal), D. Seegert (Kiel)

13.30 – 13.50 R. A. Kastelein, Schering-Plough /USA (*rq.*)
13.55 – 14.15 Stefan Rose-John, Kiel
14.20 – 14.40 Hilary Clark, Genentech / USA
14.45 – 15.05 NN
15.10 – 15.30 Mark Curran, Bristol-Myers-Squibb / USA
15.35 – 15.55 Andrew Nesbitt, UCB / UK
16.00 – 16.20 Thomas Schall, Chemocentryx
16.25 – 16.45 Irwin McLean, Dundee / UK (*rq.*)
16.50 – 17.10 Severine Vermeire, Leuven

IL-23 as a Target in Crohn Disease
A Therapeutic Approach to IL-6 Transsignalling
Bringing Disease Gene Families to Work: The Example of Crohn's Disease
Novel Antibodies with Multiple Variable Specificities
Novel Approaches to T-Cell Signalling Blockade
From Biological Targets to Small Molecule Inhibitors
Blockade of Chemokine Receptor Signalling
What can we learn from Filaggrin for the Treatment of Skin Diseases?
Lessons from Anti-TNF Therapy - Are Disease Genes Relevant for Pharmacogenetics?

Late Afternoon & Evening Event

Sailboat Dinner on the Baltics