

We kindly thank the following companies
for their support:



Organizing Secretary:

Sylvia Geubig
SFB 479 der Univ. Würzburg
Institut für Virologie und Immunbiologie

Versbacher Str. 7
97078 Würzburg

Telefon: 0931 / 201 49557
Fax: 0931 / 201 49553
e-mail: sfb-479@vim.uni-wuerzburg.de

Organizing Committee:

Ulrich Dobrindt, Oliver Kurzai, Manfred Lutz, Jürgen
Schneider-Schaulies

Symposium of the
Collaborative Research Centre SFB 479
University of Würzburg

Living with pathogens - never lose control

July 16 - 18, 2009



Venue:
Lecture hall of the
Institute of Hygiene and
Microbiology

Würzburg - Program

Thursday, July 16th

14:00 Welcome Addresses: Thomas Hünig,
Matthias Frosch, Heidrun Moll

Session 1:
Evolution of pathogens and their recognition
Chair: Regine Hagenbeck & Matthias Frosch

14:30 Ab Osterhaus, Rotterdam, NL
Emerging viruses in a changing world

15:05 Didier Raoult, Marseille; FR
Metaanalysis of bacterial genomes reveals converging evolution
of pathogens

15:40 Roy Gross, Würzburg, D
Evolutionary trends in the genus *Bordetella*

16:15 Coffee break

Session 2:
Cell-autonomous responses by the host
Chair: Dieter Horstmann & Klaus Heeg

16:45 Dirk Busch, München, D
Reconstitution of immunity by adoptive transfer of primary CD8+
memory T cells

17:20 Gabriel Nunez, Ann Arbor, USA
Function of NOD-like receptors in bacterial recognition and
host defense

17:55 Annelie Brauner, Stockholm, S
Fighting urinary tract infections - exploring the innate immunity

Friday, July 17th

Session 3:
The struggle against viral infections
Chair: Otto Haller & Matthias Reddehase

09:00 E. John Wherry, Philadelphia, USA
Regulation of CD8 T cell exhaustion and differentiation during
chronic infection

09:35 Sibylle Schneider-Schaulies, Würzburg, D
Interactions with the cell surface: measles virus entry into and
functional modulation of dendritic and T cells and role in
immunosuppression

10:10 Lewis Lanier, San Francisco, USA
NK cells in viral immunity

10:45 Coffee break

11:15 Thomas Mettenleiter, Riems, D
Bird Influenza: epidemiology and vaccine development

11:50 Stuart Neil, London, UK
Inhibition of HIV-1 particle release by tetherin/CD137

12:25 Ralf Bartenschlager, Heidelberg, D
Innate anti-viral defense against flaviviruses: the case of
hepatitis C and dengue virus

13:00 Lunch break

Session 4:
From bacterial infections to bacteria-mediated protection
Chair: Jörg Hacker & Volkmar Braun

14:30 Elaine Tuomanen, Memphis, USA
Pneumococcal pathogenesis: why does the lung heal, but the
brain doesn't?

15:05 Guillaume Dumenil, Paris, F
Blood-brain barrier colonization by *Neisseria meningitidis*

15:40 Ulrich Vogel, Würzburg, D
Dissecting the sessile lifestyle of a facultative human pathogen:
the biofilm model of *Neisseria meningitidis*

16:15 Coffee break

16:45 Eric Pamer, New York, USA
Mucosal innate defense against intestinal bacteria

17:20 Björn Wullt, Lund, S
E. coli 83972 colonization: therapeutic possibilities and a
unique in vivo study model for host-bacterial interaction in
the human urinary tract

17:55 Ulrich Schaible, London, UK
Host-pathogen interaction in tuberculosis

Saturday, July 18th

Session 5:
Parasite interactions with their hosts
Chair: Heidrun Moll & Thomas Hünig

09:00 Gabriele Pradel, Würzburg, D
Molecular mechanisms during malaria transmission to the
mosquito and their relevance for transmission blocking
strategies

09:35 Frank Brombacher, Cape Town, SA
Insights to keep parasites in check

10:10 Patrick De Baetselier, Brussels, B
African trypanosomiasis and macrophage polarization:
from parasite control to immunopathology

10:45 Coffee break

Session 6:
Fungal infections
Chair: Daniela Männel & Peter Zipfel

11:45 Joachim Morschhäuser, Würzburg, D
Host adaptation mechanisms in *Candida albicans*

12:25 William Nierman, Rockville, USA
Aspergillus secondary metabolites: evolution of biosynthetic
genes, environmental competitiveness, and pathogenicity

13:00 Arturo Casadevall, New York, USA
Cryptococcus neoformans - a pathogen in black and white

13:35 Concluding remarks - end of meeting -