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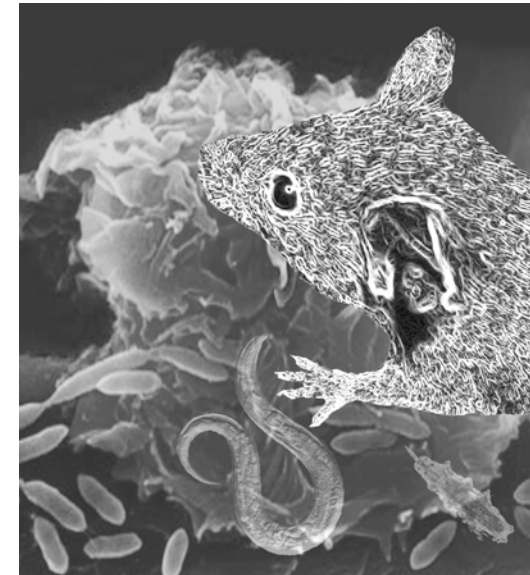
We would like to thank "Service Systems, Dreieich" for organising the industrial exhibition!

Cologne Spring Meeting 2007

Evolution of Immunity and Pathogens

Wednesday Feb. 21st to Friday Feb. 23rd

Programme



Lectures:
Physics Institute
Zùlpicher Str. 77
50937 Köln

Organized by J. Howard, M. Leptin, D. Tautz,
M. Cramer, K. Johnson, R. Wùnschiers
Institute for Genetics, University of Cologne

Wednesday Afternoon

Chair: **Maria Leptin**

- 13:30 Opening remarks
- 13:45 – 14:30 **Thomas Boehm** Quality control mechanisms in self/non-self discrimination.
- 14:30 – 15:15 **Mike Boots** Modelling the evolution of resistance to parasites.
- 15:15 – 16:00 **Manfred Milinski** Parasite selection and MHC polymorphism in sticklebacks.

Coffee break

Chair: **Thomas Wiehe**

- 16:45 – 17:30 **Dieter Ebert** Interactions between *Daphnia* and its microparasites.
- 17:30 – 18:15 **Jonathan Ewbank** Variation and evolution of antimicrobial defence in *C. elegans*.

18:45 *Open House at the Institute of Genetics*

Thursday Morning

Chair: **Jane Parker**

- 9:00 – 9:45 **Sheng Yang He** Suppression of plant innate immunity during bacterial infection.
- 9:45 – 10:30 **Paul Schulze-Lefert** Direct targeting of the transcriptional machinery by plant immune receptors.

Coffee break

Chair: **Karin Schnetz**

- 11:00 – 11:45 **Michiel van Boven** Transmission of avian influenza viruses in birds and humans.
- 11:45 – 12:30 **George Dimopoulos** Mosquitoes employ versatile defense systems against *Plasmodium*.

Thursday Afternoon

Chair: **Jonathan Howard**

- 14:45 – 15:30 **Max D. Cooper** Evolution of Adaptive Immune Systems.
- 15:30 – 16:15 **Martin F. Flajnik** MHC, Ig, TCR, and NK receptors: Can we stitch them all together?

Dietmar Schmucker cancelled

Coffee break

Chair: **Manolis Pasparakis**

- 17:00 – 17:45 **Joana C. Silva** Decomplexing the Apicomplexa: genome evolution and host-parasite interactions.
- 17:45 – 18:30 **Stewart Cole** Evolution of pathogenic mycobacteria.

Friday Morning

Chair: **Diethard Tautz**

- 9:00 – 9:45 **Brendan Wren** The application of comparative phylogenomics to bacterial pathogens.
- 9:45 – 10:30 **Mark Achtman** The evolutionary history of *Helicobacter pylori* reflects an intimate association with its human hosts.

Coffee break

11:00 – 11:45 **Polly Matzinger** Conversations between Tissues and T Cells.

11:45 – 12:30 **Irving Weissman** Normal and Cancer Stem Cells: Biology and Co-evolution with Histocompatibility.

13:15 Concluding remarks