

Symposium Zoonotic and Vector-Borne CNS Infections

April 22 – 23, 2010, Helmholtz Centre for Infection Research, Braunschweig

Thursday, April 22, 2010

9:00 – 9:15 **Welcome address**

Dirk Schlüter (Magdeburg, Germany), Jürgen Wehland
(Braunschweig, Germany)

Parasitic a CNS infections – Chair: Martin H. Groschup

9:15 – 9:45 **Parasite attenuation approaches for anti-malaria vaccine development**

Kai Matuschewski (Berlin, Germany)

9:45 – 10:00 **Actin polymerization in the malaria parasite – from structure to function**

Inari Kursula (Braunschweig, Germany)

10:00 – 10:30 **Regulation of *Toxoplasma* encephalitis by brain resident cells**

Dirk Schlüter (Magdeburg, Germany)

10.30 – 11:00 Coffee Break

Fungal CNS infections and new techniques – Chair: Siggie Weiß

11:00 – 11:30 **Immunological control of cerebral cryptococcosis**

Gottfried Alber (Leipzig, Germany)

11:30 – 11:45 **Lethal *Balamuthia* amaebic encephalitis in a female Western Gorilla – first case of balamuthiasis**

Albrecht Kiderlen (Berlin, Germany)

11:45 – 12:30 **Imaging of immune responses in the CNS**

Matthias Gunzer (Magdeburg, Germany)

12:30 – 14:00 Lunch (near poster presentation)

Viral encephalitis and prions - Chair: Thomas Pietschmann

14:00 – 14:30 **Bornaviruses from mammals and birds: why are they so special**

Peter Stäheli (Freiburg, Germany)

14:30 – 15:00 **The cytokine/chemokine interplay during viral infection of the CNS - evidence from the LCMV model**

Allan Randrup Thomsen (Copenhagen, Denmark)

15:00 – 15:30 **Local type I IFN receptor signaling protects against virus spread within the central nervous system**

Ulrich Kalinke (Hannover, Germany)

15:30 – 15:50 Coffee Break

15:50 – 16:05 **Identification of interferon- β producing cells in La Crosse virus-infected mouse brains**

Carsten Kallfass (Freiburg, Germany)

16:05 – 16:35 **Pathogenesis of prion infections in ruminants**

Martin H. Groschup (Greifswald, Germany)

17:00 Get-together

19:30 Night watchman Tour through the Magni district, Meeting “Städtisches Museum, am Löwenwall, 8 Euro (max. 30 persons)

Friday, April 23, 2010

Special lecture – Chair: Wolfgang Baumgärtner

- 9:00 – 9:30 **Brain Infections with Measles Virus: Human Disease and Mouse Model**
Jürgen Schneider-Schaulies (Würzburg, Germany)
- 9:30 – 9:45 **Herpes B Virus in macaques colonies: a major zoonosis and the need of a specific diagnostic**
Cheik Coulibaly (Langen, Germany)

Bacterial CNS infections – Chair: Carlos Guzmán

- 9:45 – 10:15 **Transcytosis of bacteria**
Susanne Talay (Braunschweig, Germany)
- 10:15 – 10:45 **Borreliosis**
Bernhard Hemmer (Munich, Germany)
- 10:45 – 11:15 Coffee Break
- 11:15 – 11:45 **Listeriosis**
Martina Deckert (Cologne, Germany)
- 11:45 – 12:15 **Clinic and management of acute bacterial CNS infections**
Matthias Klein (Munich, Germany)
- 12:15 **Concluding Remarks**
Martina Deckert (Cologne, Germany)
- 12:30 - 14:00 Lunch (near poster presentation)

Scientific committee

Prof. Dr. Dirk Schlüter, Otto-von-Guericke-University Magdeburg

Prof. Dr. Martina Deckert, University of Cologne

Prof. Dr. Jürgen Wehland, Helmholtz Centre for Infection Research

Dr. Sigi Weiß, Helmholtz Centre for Infection Research

Organisation committee

Dr. Ilia Semmler, National Research Platform for Zoonoses

Nadine Sept, National Research Platform for Zoonoses

Sabine Schiller, Helmholtz Centre for Infection Research

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Registration is possible until April 05, 2010 at www.zoonosen.net. No registration fee will be asked for.

