

Symposium Zoonotic and Vector-Borne CNS Infections

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

Thursday, April 22, 2010

8:45 – 9:00 **Welcome address**

Introductory lecture

9:00 – 9:30 **Viral diseases of the nervous system: bringing them out of neglect**
Roberto Bruzzone (Hong Kong, China)

Arthropod-borne encephalitis

09:30 – 10:00 **Sindbis virus encephalitis**
Diane E. Griffin (Baltimore, USA)

10:00 – 10:30 **Emerging Flavivirus infections**
Vincent Deubel (Phnom Penh, Cambodia)

10:30 – 11:00 Coffee Break

11:00 – 11:30 **Tick-Borne encephalitis virus**
Tom Solomon (Liverpool, UK)

11:30 – 12:00 **West Nile Virus**
Kenneth L. Tyler (Denver, USA)

12:00 – 12:30 **Chikungunya**
Philippe Gasque (La Reunion)

12:30 – 13:00 **Toscana Virus: infection and pathogenesis**
Maria Grazia Cusi (Sienna, Italy)

13:00 – 14:30 Lunch (near poster presentation)

New techniques

14:30 – 15:00 **Imaging of immune responses in the CNS**
Matthias Gunzer (Magdeburg, Germany)

Parasitic and fungal CNS infections

15:00 – 15:30 **Regulation of *Toxoplasma* encephalitis by brain resident cells**
Dirk Schlüter (Magdeburg, Germany)

15:30 – 16:00 **Human cerebral malaria**
Arjen Dondorp (Bangkok, Thailand)

16:00 – 16:30 **Parasite attenuation approaches for anti-malaria vaccine development**
Kai Matuschewski (Berlin, Germany)

16:30 – 17:00 Coffee Break

17:00 – 17:30 **African trypanosomes: how do they enter the brain and cause disturbances in sleep pattern**
Krister Kristensson (Stockholm, Sweden)

17:30 – 18:00 **Immunological control of cerebral cryptococcosis**
Gottfried Alber (Leipzig, Germany)

19:00 Get-together

Friday, April 23, 2010

Special lecture

9:00 – 9:30 **The impact of genetics on cerebral infections: lessons from genetic predisposition to *Herpes simplex* encephalitis**
Vanessa Sancho-Shimizu (Paris, France)

Autoimmune and prion diseases

9:30 – 10:00 **Can infections impact on development and course of CNS autoimmune diseases?**
Roland Liblau (Toulouse, France)

10:00 – 10:30 **The role of mouse and human Theiloviruses in demyelinating disease**
Howard Lipton (Chicago, USA)

10:30 – 11:00 **Pathogenesis of prion infections in ruminants**
Martin H. Groschup (Greifswald, Germany)

11:00 – 11:30 Coffee Break

Bacterial CNS infections

11:30 – 12:00 **Borreliosis**

Bernhard Hemmer (Munich, Germany)

12:00 – 12:30 **Listeriosis**

Martina Deckert (Cologne, Germany)

12:30 – 13:00 **Clinic and management of acute bacterial CNS infections**

Matthias Klein (Munich, Germany)

13:00 - 14:00 Lunch (near poster presentation)

Viral CNS infections

14:00 – 14:30 **Mechanisms of La Crosse encephalitis virus and Rift Valley fever virus to counteract the host defence**

Friedemann Weber (Freiburg, Germany)

14:30 – 15:00 **Rabies**

Tordo Noel (Paris, France)

15:00 – 15:30 **Bornaviruses from mammals and birds: why are they so special**

Peter Stäheli (Freiburg, Germany)

15:30 – 16:00 **The cytokine/chemokine interplay during viral infection of the CNS - evidence from the LCMV model**

Allan Randrup Thomsen (Copenhagen, Denmark)

16:00 Concluding Remarks

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. Siggie Weiß, 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.

