



Plasticity Across Systems – Linking Neuronal, Immune and Metabolic Memory

Winter School 2010



Lübeck, Germany
December 1-3, 2010

Dear colleagues,

the Winter School „Plasticity Across Systems – Linking Neuronal, Immune and Metabolic Memory” is organized by the Collaborative Research Center “Plasticity and Sleep” of the Universities of Lübeck and Kiel (SFB 654), headed by Jan Born.

The Research Center focuses on the idea that sleep defines an “offline” processing mode serving the consolidation of biological memories. This concept implies that neurobehavioral, metabolic and immune memories are formed according to common principles and share essential signaling mechanisms. Thus, the aim of our Winter School is to highlight plastic processes within and between the neuronal, immune and metabolic systems. We are very pleased that a number of highly renowned researchers will give state of the art lectures on their research areas. The target audience includes both PhD students and young post-docs as well as senior scientists working in the respective fields.

We are looking forward to welcoming you here in Lübeck!

Til Ole Bergmann, Manfred Hallschmid and Tanja Lange (for the organizers)

Website and e-mail contact

www.winterschool-luebeck2010.de
info@winterschool-luebeck2010.de

Application, fees and dates

All participants will have the opportunity to present their own results in a poster session. Poster presentation is not mandatory, but of course highly welcome. If you want to present a poster, you are asked to submit an abstract of no more than 250 words on registration. Please note that only a limited number of participants can be accepted.

Early registration is strongly recommended.

**Registration/poster abstract deadline:
31 October 2010.**

Registration fee: 50 €. (Payment details will be provided upon confirmation of registration.)

Venue

Media Docks
Willy-Brandt-Allee 31a
23554 Luebeck

Accommodation

We recommend early booking due to limited vacancies during Christmas time. A list of appropriate hotels can be found on our website

Tuesday, November 30

20.00 Welcome reception
at the Radisson Hotel

Wednesday, December 1

9.00 Jan Born, Lübeck
Welcome Intro

9.20 Hugo J. Spiers, UK
Spatial navigation, memories and the hippocampus

10.00 Jonathan Kipnis, USA
T cells and neuronal plasticity

10.40 Coffee break

11.10 Suzanne Higgs, UK
Food intake and memory functions

11.50 Karsten Krüger, Germany
Exercise, immune and memory functions

12.30 Lunch break

13.30 Poster Session I

15.00 Giuseppe Matarese, Italy
The weight of leptin in immunity

15.40 N.N.
Reward processing and food intake

16.20 Coffee break

16.50 Francesco P. Battaglia, Netherlands
Hippocampo-prefrontal interactions during memory reactivation in rodents

17.30 Ole Jensen, Netherlands
Oscillatory dynamics of memory processing in humans

20.00 Christmas Market

Thursday, December 2

9.00 Hendrik Lehnert, Lübeck
Intro

9.20 Darleen A. Sandoval, USA
CNS control of energy homeostasis

10.00 Adriana del Rey, Germany
IL-1 and glucose homeostasis

10.40 Coffee break

11.10 Elizabeth Seaquist, USA
Metabolic disorders and the brain

11.50 Henrik Oster, Germany
Circadian factors and metabolism

12.30 Lunch break

13.30 Poster Session II

15.00 Monika Haack, USA
Inflammatory, metabolic and autonomic responses to sleep loss

15.40 Andrew N. Coogan, Ireland
Neuroimmunology of the circadian system

16.20 Coffee break

16.50 Atsuko Takashima, Netherlands
Large scale reorganization during system memory consolidation in humans

17.30 Jonathan L.C. Lee, UK
Mechanisms of memory consolidation and reconsolidation in rodents

20.00 Dinner Party
at the Eventhaus Lübeck

Friday, December 3

10.00 Jürgen Westermann, Lübeck
Intro

10.20 N.N.
Immunological memory

11.00 Timo Wirth, Germany
Conditioning of immune functions

11.40 Coffee break

12.10 Michaël B. Zugaro, France
Theta phase precession and hippocampal ripples in memory processing in rodents

12.50 Tanja Lange, Lübeck
Outro

13.20 Farewell

