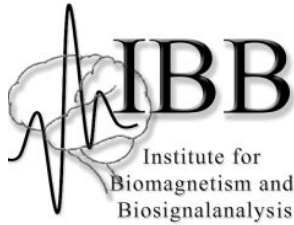




Otto Creutzfeldt
Center for
Cognitive and
Behavioral
Neuroscience



medizinische
fakultät
Westfälische
Wilhelms-Universität Münster

Invitation to the symposium:

“Fusing brain states and mental domains”

Time and place: 12th of September 2008, Humboldt-Haus, Hüfferstraße 61,
48149 Münster

In this symposium we bring together renowned scientists of various domains of cognitive and systems neuroscience. These domains include areas such as auditory processing, affective neuroscience and clinical applications. The goal of the symposium is to provide an up-to-date view of these areas and to establish links between fields that might look separate at a first glance. As such we hope for and encourage the participation of young researchers that would like to present their work to an acknowledged and international audience.

Program:

8:00 – 9:00 Welcome reception

9:00 – 9:15 Welcome address by Volker Arolt, Dean of the Medical Faculty

9:15 – 10:00

Olivier Bertrand

INSERM U821, Brain Dynamics and Cognition Lab, Fed. Neuroscience Institute of Lyon

“Brain dynamics of auditory attention”

10:00 – 10:45

Bernhard Ross

University of Toronto, Baycrest Centre, Rotman Research Institute

“Neuromagnetic imaging of thalamo-cortical network established by synchronous gamma oscillations”

10:45 – 11:15

Coffee Break

11:15 – 12:00

Thomas Elbert

Clinical Psychologie, University of Konstanz

“Does traumatic stress damage the brain?”

12:00 – 12:45

Hans-Christian Pape

Institute for Physiology I, University of Münster

“Transmitters of fear memory and extinction in the amygdala”

12:45 – 14:15

Lunch Break

14:15 – 15:00

Valéria Csépe

Institute for Psychology, Hungarian Academy of Science, Budapest

“Twist and shout! Music, language and the human brain”

15:00 – 15:45

Pienie Zwitserlood

Institute for Psychology II, University of Münster

“From brain to language”

15:45 – 16:15
Coffee Break

16:15 – 17:00
Poster Session (see next pages for the poster session program)

17:00 – 18:30
Satellite Symposium

List of poster session contributions:

1)

The categorization of assimilated nasals – behavioural and neurophysiological correlates

H. Bien¹, L. Lagemann¹, C. Dobel², & P. Zwitserlood¹

¹⁾ Psychological Institute II, University of Münster

²⁾ Institute for Biomagnetism and Biosignalanalysis, University of Münster

2)

Attending to what matters - neural correlates of attentional modulation according to current task-settings

A.K. Bröckelmann^{1,2}, M. Junghöfer¹, C. Pantev¹, M. Lappe², & F. Hamker²

¹⁾ Institute for Biomagnetism and Biosignalanalysis, University of Münster

²⁾ Psychological Institute II, University of Münster

3)

Anisotropy in MEG/EEG Source Reconstruction Using the Finite Element Method

T. Dierkes¹, F. Drechsler², L. Grasedyck², J.C. de Munck³, and C.H. Wolters¹

¹⁾ Institute for Biomagnetism and Biosignalanalysis, University of Münster

²⁾ Max Planck Institute for Mathematics in the Sciences, Leipzig

³⁾ Dept. of Physics and Medical Technology, Free University Amsterdam

4)

From Pseudoword to Word in a few minutes

C. Dobel¹, P. Zwitserlood² & C. Pantev¹

¹⁾ Institute for Biomagnetism and Biosignalanalysis, University of Münster

²⁾ Psychological Institute II, University of Münster

5)

Adenylyl Cyclases: Expression in Rat Thalamus and Their Role in Absence Epilepsy

P. Ehling¹, T. Kanyshkova¹, A. Baumann², H.-C. Pape¹, & T. Budde²

¹⁾ Institute for Physiology I, University of Münster

²⁾ Institute of Neuroscience and Biophysics (INB-1), Research Center Jülich

6)

Acute stress interferes with the parvocellular guidance of attentional resources

L. Elling¹, C. Putsche^{1,3}, H. Schupp², C. Dobel¹, C. Pantev¹ & M. Junghöfer¹

¹⁾ Institute for Biomagnetism and Biosignalanalysis, University of Münster

²⁾ Institute for General Psychology, University of Konstanz

³⁾ Institute for Clinical Psychology, University of Konstanz

7)

A combined Go/Nogo- and Stop-Signal paradigm evokes a N200/P300 complex that reflects conflict as well as inhibition.

S. Enriquez-Geppert^{1,2}, R. Huster^{1,2}, A. Wollbrink¹, C. Konrad² & C. Pantev¹

¹⁾ Institute for Biomagnetism and Biosignalanalysis, University of Münster

²⁾ IZKF Research Group No.4, University of Münster

8)

Saccadic Adaptation and Space Perception

K. Havermann & M. Lappe

Psychological Institute II, University of Münster

9)

The effect of musical expertise on musical imagery

S.C. Herholz, C. Lappe, & C. Pantev

Institute for Biomagnetism and Biosignalanalysis, University of Münster

10)

Truth is the daughter of time (not space) - ERPs reveal the neural basis of general and specific interference in speech production

G. Hirschfeld, B. Jansma, J. Bölte & P. Zwitserlood

Psychological Institute II, University of Münster

11)

Influence of social interactions on endocrine systems of male guinea pigs during adolescence

S. Lürzel, S. Kaiser, & N. Sachser

Department of Behavioural Biology, University of Münster

12)

Functional role of intralaminar thalamic neurons during spike and wave discharges in a genetic rat model of absence epilepsy

C. Mittag, A. Gorji, T. Seidenbecher, & H.-C. Pape

Institute for Physiology I, University of Münster

13)

Hemispheric asymmetry of auditory fields evoked by spectral versus temporal stimulus change

H. Okamoto, H. Stracke, R. Draganova & C. Pantev

Institute for Biomagnetism and Biosignalanalysis, University of Münster

14)

Serial effects of top-down attention on auditory evoked fields during auditory *signal-in-noise processing*

H. Okamoto, H. Stracke & C. Pantev

Institute for Biomagnetism and Biosignalanalysis, University of Münster

15)

Rapid prefrontal cortex activation during emotional evaluation of olfactory conditioned faces: An MEG study

C. Putsche^{1, 3}, C. Dobel¹, H. Schupp², J. Kissler³ & M. Junghöfer¹

¹⁾ Institute for Biomagnetism and Biosignalanalysis, University of Münster

²⁾ Institute for General Psychology, University of Konstanz

³⁾ Institute for Clinical Psychology, University of Konstanz

16)

Functional Connectivity Changes in Unipolar Depression

M. Pyka¹, S. Schöning¹, H. Kugel², S. Hauke¹, C. Sehlmeier¹, A. Rauch¹, P. Zwitserlood³, V. Arolt¹ & C. Konrad¹

¹⁾ IZKF Research Group No.4, University of Münster

²⁾ Institute for Clinical Radiology, University of Münster

³⁾ Psychological Institute II, University of Münster

17)

A computational model for detection of biological motion

S. Rau, M. de Lussanet, & M. Lappe

Psychological Institute II, University of Münster

18)

Detection of synchronization in noisy data: A method for revealing time-dependent cortical connectivity

A. Wilmer, M. de Lussanet, & M. Lappe

Psychological Institute II, University of Münster

19)

The role of sparseness for the Hebbian learning of receptive fields from natural scenes

J. Wiltshut

Psychological Institute II, University of Münster

20)

Intra- and inter-individual statistical mapping based on standardized MEG source reconstruction

A. Wollbrink, C. H. Wolters, O. Steinstraeter, C. Dobel, C. Pantev & M. Junghöfer

Institute for Biomagnetism and Biosignalanalysis, University of Münster

21)

A computational model of perisaccadic mislocalization in total darkness using a binary eye position signal

A. Ziesche & F.H. Hamker

Psychological Institute II, University of Münster