



## **International Workshop**

# **The Cognitive Neuroscience of Individual Differences – New Perspectives**

**(November 7-10, 2002)**

### **Organizers:**

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## **PROGRAM**

## **Poster program**

Corral, MJ, Yago, E., Corbera, S., Carral, V. & Escera, C.:  
***Electrophysiological evidence of a brain mechanism for orienting attention towards meaningful events***

Rimol LM & Hugdahl K (Bergen, Norway):  
***fMRI, language perception and lateralization***

Lundervold A, Nordby H, Sundet K, Andersson S & Reinvang:  
***ERP correlates of individual differences in neuropsychological function (provisional title)***

Tuulia Lepistö (Helsinki, Finland):  
***Auditory sensory processing in children with Asperger syndrome***

Minna Lehtonen (Turku, Finland):  
***Neurocognition of bilingualism***

José A. Periañez\*1, Francisco Barceló\*1 and Robert T. Knight\*2:  
***Electrophysiological indexes of cognitive flexibility: normal variability in a non-clinical sample***

Nicole Blay\*1, Celia Cámara\*1, Xavier Revert\*1, Pedro Montoya\*1, Francisco Barceló\*1 and Lidia Yagüez\*3:  
***Age-related differences in executive control: Introducing the Canavan Conditional Associative Learning Test (C-CALT)***

Tobias Sommer (Hamburg):  
***Genetics and attention mechanisms (provisional title)***

Jonas Persson (Umeå, Sweden):  
***Apolipoprotein E (ApoE) induced changes in brain activity related to memory functions***

M.B. de Ruiter, R.H. Phaf, D.J. Veltman\*4, A. Kok, R. van Dyck\*4  
***Individual differences in affective and non-affective processing of neutral and negative words: ERPs reveal the role of dissociative style***

Thorsten Fehr\*5\*6, Anja Achtziger\*7, Manfred Herrmann\*5  
***Interindividuell differences in oscillatory brain activity in higher cognitive functions - Methodological approaches in analyzing continuous MEG data***

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**Thursday, 7<sup>th</sup>  
November 2002**

Afternoon Arrival of Participants

18:00 Informal welcome dinner and get-together at the HWK

21:00 Shuttle service to the hotel

**Friday, 8<sup>th</sup>**  
**November 2002**

- 08:45      Official Opening and Introductory Remarks
- 09:00      **Lutz Jäncke (Germany)**  
*Brain plasticity*
- 09:30      **Albert Kok (Holland)**  
*Electrophysiological reflections of alterations of cognitive processes during normal adult aging*
- 10:00      **Agneta Herlitz (Sweden)**  
*Gender differences in cognitive functions*
- 10:30      COFFEE BREAK**
- 11:00      **Teija Kujala (Finland)**  
*ERP (MMN) and cerebral plasticity*
- 11.30      **Carles Escera (Spain)**  
*ERP and behavioral indices of healthy and impaired involuntary attention*
- 12:00      **Matti Laine (Finland)**  
*MEG evidence of cerebral mechanisms in language recovery after stroke*
- 12:30      LUNCH**
- 14:00      **John D. Haynes (Germany)**  
*Relating individual brain responses to individual psychophysics – tracing the neurocorrelates of consciousness*
- 14:30      **Thomas Münte (Germany)**  
*Individual differences in working memory capacity and cognitive control influence performance in memory and language tasks*
- 15:00      **Kenneth Hugdahl (Norway)**  
*Behavioral and brain imaging studies of attention allocation in the dichotic listening task*
- 15:30      COFFEE BREAK**
- 16:00      *5 minute summaries of posters by young researchers*  
  
*Poster discussion*
- approx. 18:00      Conference dinner, place to be announced**

**Saturday, 9<sup>th</sup>  
November 2002**

- 09:00     **John Polich (USA)**  
*Review of ERP studies linking P3 to individual variations in intelligence and memory*
- 09:30     **Wolfgang Klimesch (Austria)**  
*ERPs- EEG interactions and memory performance*
- 10:00     **Ivar Reinvang (Norway)**  
*ERP (P3) and neuropsychological performance - the role of attention*
- 10:30     COFFEE BREAK**
- 11:00     **Vasil Kolev and Juliana Yordanova (Bulgaria)**  
*EEG studies of aging*
- 11.30     **Christian Grefkes (Germany)**  
*Polymodal areas of VIP and AIP in human intraparietal cortex: location, intersubject variability, function, and clinical significance*
- 12:00     **Lars Nyberg (Sweden)**  
*Functional imaging and training effects*
- 12:30     LUNCH**
- 14:00     **John Fosella – (USA)**  
*Genetic susceptibility to attentional deficits*
- 15:30     COFFEE BREAK**
- 16:00     **Francisco Barcelo (Spain)**  
*A new ERP paradigm for studying individual differences in the executive control of attention*
- 16:30     **Closing remarks**
- 18:00     Conference dinner at Hof Hoyerswege**

**Sunday, 10<sup>th</sup>  
November 2002**

morning    **Departure of participants**

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Further information:



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