

## Thursday, October 7

Thursday, 9:00-10:30 AM

*Hall Manuel de Falla*

### Symposium 1

#### Neuroimaging and language: Reading and speech perception

Chair: John F. Connolly  
*Dalhousie University*

#### From sound to meaning: A functional account of the electrophysiology of spoken language understanding

Colin M. Brown  
*Max Planck Institute for Psycholinguistics*

#### Auditory and phonetic representations for isolated vowels: Cross-language studies

István Winkler  
*Hungarian Academy of Sciences*

#### Is event-related fMRI the key to the temporality of linguistic brain activations?

G. Thierry<sup>1</sup>, K. Boulanouar<sup>1</sup>, F. Kerif<sup>1</sup>,  
J. P. Ranjeva<sup>2</sup>, & J. F. Démonet<sup>1</sup>  
<sup>1</sup>*INSERM U455, Fédération de Neurologie,*  
<sup>2</sup>*Service de Neuro-Radiologie*

#### An investigation of word and context comprehension using event-related fMRI

Ryan C.N. D'Arcy<sup>1</sup>, John F. Connolly<sup>1</sup>,  
Larry Gates<sup>1</sup>, & Elisabet Service<sup>2</sup>  
<sup>1</sup>*Dalhousie University,* <sup>2</sup>*INSERM U455*

**Discussants:** John F. Connolly<sup>1</sup> & J.F. Démonet<sup>2</sup>  
<sup>1</sup>*Dalhousie University,* <sup>2</sup>*INSERM U455*

Thursday, 9:00-10:30 AM

*Hall Machado/Picasso*

### Symposium 2

#### Contemporary approaches to the psychophysiology of defense

Chair: Graham Turpin  
*University of Sheffield*

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**The defense cascade**

Peter J. Lang & Margaret M. Bradley  
*University of Florida*

**Cardiac component of the defense response**

Jaime Vila  
*University of Granada*

**Activation functions for positive and negative affective processes: The negativity bias**

John T. Cacioppo<sup>1</sup> & Tiffany A. Ito<sup>2</sup>  
<sup>1</sup>*University of Chicago*, <sup>2</sup>*University of Colorado*

**Startle modulation, temperamental fear, and clinical anxiety: An update**

Edwin W. Cook III & Richard O. Temple  
*University of Alabama at Birmingham*

**Discussant: Arne Öhman**  
*Karolinska Institutet*

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Thursday, 10:30-11:00 AM  
*Hall of Exposiciones*

**Coffee Break**

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Thursday, 11:00 AM-12:00 PM  
*Hall Manuel de Falla*

**Distinguished Lecture Series:  
Scientific Analysis of Mind**

**From neural circuits to perceptual decisions:  
Exploring the foundations of visual awareness**

William T. Newsome  
*Stanford University*

Chair: Judith M. Ford  
*Stanford University*

(Supported by the F. J. McGuigan Research Fund)

Thursday, 12:15-1:45 PM

*Hall Manuel de Falla***Symposium 3****Probing attentional processes with blink startle**Chair: Ottmar V. Lipp  
*University of Queensland***Attentional blink modulation at long lead intervals: The role of stimulus modality**Ottmar V. Lipp<sup>1</sup>, David A.T. Siddle<sup>2</sup>, & Patricia J. Dall<sup>1</sup><sup>1</sup>*University of Queensland*, <sup>2</sup>*University of Sydney***Blink modulation during anticipation: Attentional and emotional processes**Christopher J. Patrick  
*Florida State University***Individual differences in startle response modulation by directed attention**Terry D. Blumenthal  
*Wake Forest University***Event-related fMRI during an attention-to-prepulse paradigm**Erin A. Hazlett, Monte S. Buchsbaum, Cheuk Tang, & Tse-Chung Wei  
*Mount Sinai School of Medicine***Discussant:** Michael E. Dawson  
*University of Southern California*

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Thursday, 12:15-1:45 PM

*Hall Machado/Picasso***Symposium 4****Clinical applications of mismatch negativity**Chair: Carles Escera  
*University of Barcelona***Mismatch negativity: A new reliable tool in clinical psychology and medicine**Carles Escera  
*University of Barcelona*

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**Development of preattentive sound duration discrimination in childhood**

R. Ceponiene<sup>1</sup>, H. Kushnerenko<sup>1</sup>, M. Cheour<sup>1,2</sup>, A. Shestakova<sup>1</sup>, P. Alku<sup>3</sup>, K. Yaguchi<sup>4</sup>, M. Tervaniemi<sup>1</sup>, & R. Näätänen<sup>1</sup>  
<sup>1</sup>*University of Helsinki*, <sup>2</sup>*Northwestern University*, <sup>3</sup>*Helsinki University of Technology*, <sup>4</sup>*Akita University*

**Acute and chronic effects of alcohol on MMN**

Iiro P. Jääskeläinen  
*University of Helsinki*

**Preattentive aspects of unilateral neglect scrutinized by mismatch negativity**

Leon Y. Deouell<sup>1,2</sup>, Shlomo Bentin<sup>2</sup>, & Nachum Soroker<sup>1</sup>  
<sup>1</sup>*Loewenstein Rehabilitation Center, Ra'anana, and Sackler School of Medicine, Tel Aviv University*, <sup>2</sup>*The Hebrew University of Jerusalem*

**Mismatch negativity (MMN) and N100 in comatose patients**

Catherine Fischer<sup>1</sup> & Dominique Morlet<sup>2</sup>  
<sup>1</sup>*Hospital Neurologique*, <sup>2</sup>*Inserm U280*

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Thursday, 1:45-3:15 PM

**Lunch (on your own)**

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Thursday, 3:15-4:45 pm

*Hall Manuel de Falla*

**Symposium 5**

**Electrophysiological studies of feature conjunction**

Chair: David L. Woods  
*University of California, Davis*

**Electrophysiological signs of auditory and visual feature conjunction**

David L. Woods  
*University of California, Davis*

**Feature conjunction in patients with schizophrenia**

Claude Alain  
*Rotman Research Institute, Baycrest Centre and University of Toronto*

**Audio-visual feature integration underlying the redundant-signal effect**

Erich Schröger & Andreas Widmann  
*University of Leipzig*

**ERP measures of feature and conjunction processing**

M.J. Taylor<sup>1</sup>, H.A. Chevalier<sup>1</sup>, & N.J. Lobaugh<sup>2</sup>  
<sup>1</sup>*CERCO-CNRS, Université Paul Sabatier*, <sup>2</sup>*Rotman Research Institute*

Thursday, 3:15-4:45 PM

*Hall Machado/Picasso*

**Symposium 6****Chronopsychophysiology 2000**

Chairs: Theodore R. Bashore<sup>1</sup> & Maurits W. van der Molen<sup>2</sup>  
<sup>1</sup>*University of Northern Colorado*,  
<sup>2</sup>*University of Amsterdam*

**Sometimes the brain has a mind of its own: ERPs as tools for understanding language**

Lee Osterhout, Michael Bersick, Judith McLaughlin, & Martha Blount  
*University of Washington*

**Cognitive neuroscience: More than the sum of its parts**

Robert D. Melara  
*Purdue University*

**Chronopsychophysiology: Some interesting dissociations between ERP component latencies and RT**

Theodore R. Bashore  
*University of Northern Colorado*

**Discussant: Richard Ridderinkhof**  
*University of Amsterdam*

Thursday, 4:45-5:45 PM

*Level -2, Cafeteria*

**Graduate Student Social Hour**

Thursday, 5:45-8:15 PM

*Hall de Exposiciones*

**Poster Session I**