

# Multidisciplinary studies of lexical processing: A workshop for William Marslen-Wilson

*MRC Cognition and Brain Sciences Unit, 15 Chaucer Road, Cambridge*

## Thursday 30<sup>th</sup> June 2011

- 09:00am Registration and coffee
- 09:45am Introduction and welcome
- 10.00am Session 1 - **Speech perception and spoken word recognition** – Chair Gareth Gaskell  
**Professor Arthur Samuel**  
*Basque Centre on Cognition, Brain and Language, San Sebastian, Spain,  
Ikerbasque Basque Foundation for Science, Spain and Stony Brook University,  
New York, USA*  
How Lexical is the Lexicon?
- 10.40am **Dr Matt Davis**  
*MRC Cognition and Brain Sciences Unit, Cambridge, UK*  
Recognising ambiguous sounds in spoken words: evidence for late perceptual integration
- 11.20am Coffee Break
- 11:40am **Dr Mirjana Bozic**  
Department of Experimental Psychology, University of Cambridge & MRC  
Cognition and Brain Sciences Unit, Cambridge, UK  
Bihemispheric foundations for human speech comprehension
- 12.20pm **Professor Aditi Lahiri**  
*Faculty of Linguistics, Philology & Phonetics, University of Oxford, UK.*  
Asymmetry in the word recognition: phonological, historical, psycholinguistic and neurolinguistic evidence
- 1.00pm Lunch
- 2.00pm Session 2 - **Neuropsychology and neuroimaging of speech perception and comprehension** – Chair Matt Davis  
**Professor Sheila Blumstein**  
*Department of Cognitive, Linguistic and Psychological Sciences, Brown University, Providence, RI, USA*  
Behavioural, neuropsychological and brain imaging investigations of auditory speech and word processing
- 2.40pm **Professor David Poeppel**  
*Department of Psychology, New York University, NY, USA.*  
Neural basis of auditory and speech perception studied using MEG/EEG and fMRI
- 3.20pm **Professor Ingrid Johnsrude**  
*Department of Psychology, Queen's University, Ontario, Canada and Linnaeus Centre HEAD, Linköping University, Sweden*  
How knowledge facilitates comprehension of noisy or degraded speech

4.00pm	Tea
4.20pm Johnsrude	<p>Session 3 - <b>Semantic and syntactic processes in language comprehension</b> – Chair Ingrid</p> <p><b>Professor Peter Hagoort</b>  <i>Donders Institute for Brain, Cognition &amp; Behaviour, and Max Plank Institute for Psycholinguistics, Nijmegen, The Netherlands</i>  Language processing from an embodied perspective</p>
5.00pm	<p><b>Dr Jenni Rodd</b>  <i>Division of Psychology and Language Sciences, University College London, UK</i>  Behavioural and fMRI studies of the recognition of ambiguous words</p>
5.40pm	<p><b>Professor Xiaolin Zhou</b>  Department of Psychology, Key Laboratory of Computational Linguistics, and Key Laboratory of Machine Perception, Peking University, Beijing, China  Semantic processes at different levels of syntactic hierarchy</p>
6.20pm	<b>End of Day 1</b>

## Friday 1 July 2011

8:40am	Coffee.
9.00am	<p>Session 4 – <b>Recognising written words and morphemes</b> – Chair Pienie Zwitserlood</p> <p><b>Professor Ken Forster</b>  <i>Department of Psychology, University of Arizona, Tucson, AZ, USA</i>  Structure of human language processing and visual word recognition</p>
9.40am	<p><b>Professor Kathy Rastle</b>  <i>Department of Psychology, Royal Holloway University of London, UK</i>  Behavioural and brain imaging (fMRI/EEG) studies of morphological analysis in visual word recognition</p>
10:20am	Coffee break
10:40am	<p><b>Professor Ram Frost</b>  <i>Department of Psychology, The Hebrew University of Jerusalem, Israel and Haskins Laboratories, New Haven, USA</i>  Two decades of reading research in Hebrew: What did we learn from it about reading in English?</p>
11.20am	<p><b>Dr Sami Boudelaa</b>  <i>Department of Linguistics, United Arab Emirates University, Al Ain, UAE</i>  Contrasting current neuro-cognitive views of morphological processing: Behavioural, neuropsychological and imaging evidence from Arabic</p>
12.00pm	Lunch break with poster session
2.30pm	<p>Session 5 – <b>Learning and plasticity in the language system</b> – Chair Kathy Rastle</p> <p><b>Professor Lorraine K Tyler</b>  <i>Department of Experimental Psychology, University of Cambridge, UK</i>  Reorganisation and plasticity in the neural language system</p>

- 3.10pm **Professor Kim Plunkett**  
*Department of Experimental Psychology, University of Oxford, UK*  
Behavioural, EEG and computational studies of word recognition in infancy
- 3.50pm Tea
- 4.10pm **Professor Gareth Gaskell**  
*Department of Psychology, University of York, UK*  
Plasticity and consolidation in spoken word recognition: why the Cohort model continues to haunt me, even in my sleep.
- 4.50pm **Professor Pienie Zwitserlood**  
*Department of Psychology and Otto-Creutzfeldt-Centre for Cognitive and Behavioral Neuroscience, Westfälische Wilhelms-Universität Münster, Germany*  
Behavioural and MEG investigations of learning novel vocabulary
- 5.30pm **Professor William Marslen-Wilson** - Closing remarks
- 6.00pm **End**