

# Autism Research In the UK – *from diagnosis to intervention*

National Conference, 11-12 May 2007, The Open University

## Full listings of poster presentations (scientific themes)

### Aetiology, epidemiology and genetics

#### P1 Phenotypic abnormalities in children with autism spectrum disorders

Ozgen HM<sup>1,2\*</sup>, Beemer FAB<sup>3</sup>, Hennekam RCM<sup>4</sup>, van Engeland H<sup>1,2</sup>. <sup>1</sup>Department of Child and Adolescent Psychiatry, University Medical Centre, Utrecht, Netherlands; <sup>2</sup>Rudolf Magnus Institute of Neuroscience, University Medical Centre, Utrecht, Netherlands; <sup>3</sup>Department of Biomedical Genetics, University Medical Centre, Utrecht, Netherlands; <sup>4</sup>ICH/GOSH London and Department of Paediatrics, AMC, Amsterdam.

#### P2 The broader autism phenotype in parents and siblings of affected relative pairs with pervasive developmental disorder

Parr JR\*, Wallace S, de Jonge M, Van Engeland H, Le Couteur A, Rutter M, Pickles A, Bailey AJ, and The International Molecular Genetic Study of Autism Consortium (IMGSAC). Section of Child and Adolescent Psychiatry, University of Oxford, UK.

#### P3 Face processing deficits in first-degree relatives of individuals with autism spectrum disorder

Wallace SB\*, Sebastian C, Bailey AJ. Department of Psychiatry, University of Oxford, UK.

#### P4 High-density SNP association study of the autism susceptibility locus on chromosome 7q

Meireles de Sousa IG<sup>1\*</sup>, Sykes N<sup>1</sup>, Lamb J<sup>1</sup>, Maestrini E<sup>2</sup>, Winchester L<sup>1</sup>, Morris A<sup>1</sup>, Butler H<sup>1</sup>, Bacchelli E<sup>2</sup>, Blasi F<sup>2</sup>, Barnby G<sup>1</sup>, Bailey AJ<sup>3</sup>, Monaco AP<sup>1</sup>, and The International Molecular Genetic Study of Autism Consortium (IMGSAC)<sup>4</sup>. <sup>1</sup>Wellcome Trust Centre for Human Genetics, Oxford, UK; <sup>2</sup>Department of Biology, University of Bologna, Italy; <sup>3</sup>University Department of Psychiatry, Warneford Hospital, Oxford, UK; <sup>4</sup><http://www.well.ox.ac.uk/~maestrini/iat.html>.

#### P5 Autism genome project: genome screen linkage and copy number variation analyses

Lamb J\* and the Autism Genome Project (AGP) Consortium. Centre for Integrated Genomic Medical Research (CIGMR), University of Manchester, UK.

### Neurology, imaging and brain pathology

#### P6 Separating the neuroanatomical correlates of autistic features from those of intellectual disability: a voxel-based morphometric analysis of young people with special educational needs

Spencer MD\*, Moorhead TWJ, Owens DGC, Lawrie SM, Johnstone EC. Division of Psychiatry, University of Edinburgh, Royal Edinburgh Hospital, Morningside Park, Edinburgh, UK.

#### P7 Processing of form and motion coherence in Asperger's disorder: evidence from fMRI

Tsermentseli S\*, Spencer JV, O'Brien JMD. Centre for Cognition and Neuroimaging, and Centre for Research in Infant Behaviour, Brunel University, Uxbridge, Middlesex, UK.

#### P8 Atypical visual evoked potentials in autistic spectrum disorder

Milne E<sup>1\*</sup>, Scope A<sup>1</sup>, Pascalis O<sup>1</sup>, Vigon L<sup>1</sup>, Buckley D<sup>2</sup>. <sup>1</sup>Department of Psychology, The University of Sheffield, Sheffield; <sup>2</sup>Academic Unit of Ophthalmology and Orthoptics, The University of Sheffield, The Royal Hallamshire Hospital, Sheffield, UK.

#### P9 Minicolumnar abnormalities in the neocortex of individuals with autism

Kooten IAJ<sup>1,2,3\*</sup>, Casanova MF<sup>4</sup>, Switala AE<sup>4</sup>, Van Engeland H<sup>3</sup>, Heinsen H<sup>5</sup>, Steinbusch HWM<sup>1,2</sup>, Hof PR<sup>6</sup>, Schmitz C<sup>1,2</sup>. <sup>1</sup>Department of Psychiatry and Neuropsychology, Division of Cellular Neuroscience, Maastricht University, Maastricht, The Netherlands; <sup>2</sup>European Graduate School of Neuroscience (EURON); <sup>3</sup>Rudolph Magnus Institute of Neuroscience, Department of Child and Adolescent Psychiatry, University Medical Centre Utrecht, Utrecht, The Netherlands; <sup>4</sup>Department of Psychiatry, University of

Louisville, Louisville, KY, USA; <sup>5</sup>Morphological Brain Research Unit, University of Wuerzburg, Wuerzburg, Germany; <sup>6</sup>Department of Neuroscience, Mount Sinai School of Medicine, New York, NY, USA.

## **Psychological perspectives, language and communication**

- P10 Measuring executive dysfunction in the individual: a new paradigm**  
McGonigle M\*. Department of Psychology, PPLS, University of Edinburgh, UK.
- P11 Investigations of language in autism: evidence for a grammatical deficiency**  
Perovic A<sup>1,2\*</sup>, Modyanova N<sup>1</sup>, Hanson E<sup>3</sup>, Nelson C<sup>3</sup>, Wexler K<sup>1</sup>. <sup>1</sup>Massachusetts Institute of Technology, USA; <sup>2</sup>University College London, UK; <sup>3</sup>Children's Hospital Boston, USA
- P12 Absence of interference from lexicon in those with "autistic" traits**  
Stewart M<sup>1\*</sup>, Ota M<sup>2</sup>. <sup>1</sup>Applied Psychology, School of Life Sciences, Heriot-Watt University, <sup>2</sup>Linguistics and English Language, School of Philosophy, Psychology and Language Sciences, University of Edinburgh, UK.
- P13 Relationship between special abilities and autistic-like traits in typically-developing children**  
Vital P\*, Happé F, Ronald A, Wallace GL, Plomin R. Centre for Autism and Related Disorders, SGDP Research Centre (MRC), Institute of Psychiatry, King's College London, De Crespigny Park, London, UK.
- P14 Autistic talent and socio-cognitive style: a study of imagination and awareness of self in autistic spectrum poetry**  
Roth I<sup>1\*</sup>, Sillence AM<sup>2</sup>. <sup>1</sup>Psychology in Science Group, Department of Biological Sciences, Open University, UK; <sup>2</sup>School of Medicine, Health Policy and Practice, University of East Anglia, UK.
- P15 Self-understanding and experience in relation to theory of mind, inner speech and verbal mental age in adolescents with Asperger's syndrome**  
Farley A\*, López B, Saunders G. School of Psychology, University of the West of England, Frenchay Campus, Bristol, UK.
- P16 Delayed self-recognition in autism spectrum disorder: evidence for impaired temporally extended self-awareness**  
Lind SE\*, Bowler DM. Department of Psychology, City University, Northampton Square, London, UK.
- P17 A neuropsychological case series study of Asperger syndrome**  
Meuwese JDI\*, Towgood KJ, Burgess PW. Institute of Cognitive Neuroscience, University College London, 17 Queen Square, London, UK.
- P18 Episodic and semantic personal memory and autobiographical narrative ability in adults with high functioning autistic disorder/Asperger syndrome**  
Crane LM\*, Goddard L. Department of Psychology, Goldsmiths, University of London, New Cross, London, UK.
- P19 Short-term memory for order information in Asperger's syndrome**  
Martin JS\*, Poirier M, Bowler DM. Department of Psychology, City University, London, UK.
- P20 Speech perception in temporally-fluctuating background noise in individuals with Asperger's syndrome**  
Füllgrabe C<sup>1\*</sup>, Alcántara JI<sup>2</sup>, Weisblatt E<sup>2,3</sup>, Carmichael L<sup>4</sup>, Warr LD<sup>4</sup>. <sup>1</sup>Auditory Perception Group, Department of Experimental Psychology, University of Cambridge, Downing Street, Cambridge; <sup>2</sup>Laboratory for Research into Autism, Department of Experimental Psychology, University of Cambridge, Downing Street, Cambridge; <sup>3</sup>University College London Hospitals NHS Trust, Department of Child and Adolescent Psychological Medicine, 250 Euston Road, London; <sup>4</sup>Fitzwilliam College, Storeys Way, Cambridge, UK.
- P21 Do the eyes have it? Inferring mental states from animated facial expressions in children and adolescents with autism**

Back E<sup>1\*</sup>, Mitchell P<sup>2</sup>, Ropar D<sup>2</sup>. <sup>1</sup>School of Psychology, University of Birmingham, Edgbaston, Birmingham, UK; <sup>2</sup>School of Psychology, University of Nottingham, University Park, Nottingham, UK.

**P22 The mechanism of eye contact processing in children with autism**

Senju A<sup>1\*</sup>, Hasegawa T<sup>2</sup>, Yojo Y<sup>3</sup>, Osanai H<sup>4</sup>. <sup>1</sup>Centre for Brain and Cognitive Development, Birkbeck College, London, UK; <sup>2</sup>University of Tokyo, Japan; <sup>3</sup>Ibaraki University, Japan, <sup>4</sup>Musashino Higashi Gakuen, Japan.

**P23 Vision in children with autistic spectrum disorder**

Scope A<sup>1\*</sup>, Griffiths H<sup>2</sup>, Buckley D<sup>2</sup>, Westerman C<sup>1</sup>, Milne E<sup>1</sup>. <sup>1</sup>Department of Psychology, The University of Sheffield, Sheffield; <sup>2</sup>Academic Unit of Ophthalmology and Orthoptics, The University of Sheffield, The Royal Hallamshire Hospital, Sheffield, UK.

**P24 Facial expression production and comprehension of emotion by low functioning children with autism**

Biswas A<sup>1\*</sup>, Mitchell P<sup>2</sup>, Pascalis O<sup>1</sup>. <sup>1</sup>University of Sheffield, UK, <sup>2</sup>University of Nottingham, UK

**P25 Face processing strategies in children with autism: configural versus featural processing**

Daniel N\*, Bowler DM. Department of Psychology, City University, Northampton Square, London, UK

**P26 Action understanding in autistic spectrum disorders: social and perceptual factors**

McAlear P<sup>1\*</sup>, McKay L<sup>1</sup>, Mackie J<sup>1</sup>, Piggot J<sup>2</sup>, Simmons DR<sup>1</sup>, Pollick FE<sup>1</sup>. <sup>1</sup>Department of Psychology, University of Glasgow, Scotland, <sup>2</sup>Department of Psychological Medicine, Cardiff University, UK.

**P27 What motivates children to request? A study comparing motivation to request of typically developing preschool children and those undergoing assessment for autism**

Coleman C\*, Moore V. Southampton University Medical School and Clinical Psychology, Southampton City PCT, UK.

## **Education, management and early intervention**

**P28 LEGO® therapy and the social use of language programme (SULP): an evaluation of two social-skills interventions for children with autism spectrum conditions**

Owens GA\*, Humphrey A, Baron-Cohen S. Autism Research Centre, University of Cambridge, Douglas House, 18B Trumpington Road, Cambridge, UK.

**P29 Employment experiences of parents of children with autism**

Hill EL\*, Yarker J. Department of Psychology, Goldsmiths, University of London, New Cross, London, UK.

**P30 Infant observation as an early outreach intervention: a pilot study**

Rhode M\*, Bellman, M, Nevrkla, E, Rustin M, Simpson D, Trowell J. Department of Children and Families, Tavistock and Portman Mental Health Foundation Trust, London, UK.

**P31 Emotional and social understanding among pupils with ASD in inclusive settings: role of theory of mind abilities and academic emotions**

Amer M\*, Farrell P. Faculty of Education, University of Manchester, UK.

**P32 Autism intervention: why theory matters**

Phelan S\*. School of Psychology, Trinity College Dublin, College Green, Dublin, Ireland.