



CPD points being applied for.

ILAE UK Chapter 1-day Scientific meeting

London – Friday, April 27th 2012

Programme

From 10.30 am Coffee and registration

10.45 am – 11.00 am AGM

Platform Presentations

11.00 am - 11.15 am **SEIZURE GENERATION: THE ROLE OF NODES AND NETWORKS**

Professor Mark Richardson – King's College London

O. Benjamin, University of Bristol; J Terry, University of Exeter.

11.15 am - 11.30 am **A CORRELATION OF ELECTROPHYSIOLOGICAL ACTIVITY AND MICROCIRCUIT
ULTRASTRUCTURE IN HUMAN EPILEPTIC NETWORKS**

Dr Anna Simon - University of Newcastle

G. Clowry, University of Newcastle; M.Ainsworth, University of Newcastle; C. Nicholson, Royal Victoria Infirmary, Newcastle; A.Jenkins, Royal Victoria Infirmary, Newcastle; I Schofield, Royal Victoria Infirmary, Newcastle; R Traub, IBM TJ Walton Center, New York; M Whittington, University of Newcastle; M Cunningham, University of Newcastle.

11.30 am - 11.45 am **GLISSANDI: TRANSIENT FAST ELECTROCORTIOGRAPHIC OSCILLATIONS OF STEADILY
INCREASING FREQUENCY, EXPLAINED BY TEMPORARILY INCREASING GAP JUNCTION
CONDUCTANCE**

Dr Mark Cunningham, University of Newcastle

A Roopan, University of Newcastle; I Schofield, Royal Victoria Infirmary, Newcastle; R Whittaker, Royal Victoria Infirmary, Newcastle; R Duncan, Southern General Hospital, Glasgow; A Russell, Southern General Hospital, Glasgow; A Jenkins, Royal Victoria Infirmary, Newcastle; C Nicholson, Royal Victoria Infirmary, Newcastle; M Whittington, University of Newcastle; R Traub, IBM TJ Watson Research Center, New York.

11.45 am – 12 noon **POTASSIUM CHANNEL GENE THERAPY FOR FOCAL NEOCORTICAL EPILEPSY**

Dr Rob Wykes – UCL/Institute of Neurology

J Heeroma; MC Walker; DM Kullmann; S. Schorge (all UCL/Institute of Neurology).

12 noon - 12.15 pm **OPTOGENETIC SUPPRESSION OF HIGH FREQUENCY EEG ACTIVITY IN A MODEL OF FOCAL EPILEPSY**

Dr Laura Mantoan – UCL/Institute of Neurology

RC Wykes; S Schorge; MC Walker; DM Kullmann (all UCL/Institute of Neurology).

12.15 pm - 1.15 pm **LUNCH AND POSTER DISPLAY**

Guest Lecture

1.15 pm - 1.55 pm **PRECLINICAL STRATEGIES TO DISCOVER NEW ANTIEPILEPTIC DRUGS: PAST AND FUTURE**

Professor Wolfgang Loescher - University of Veterinary Medicine, Hannover.

Platform presentations

1.55 pm - 2.10 pm **NATIONAL AUDIT OF SEIZURE MANAGEMENT IN HOSPITALS: INITIAL FINDINGS**

Professor Tony Marson, University of Liverpool

MG Pearson; PA Dixon; JJ Kirkham; KL Billington (all University of Liverpool).

2.10 pm - 2.25 pm **USING CONTRASTING BIOINFORMATIC APPROACHES TO PRIORITIZE ABC AND SLC TRANSPORTERS UNDERLYING PHARMACORESISTANCE IN MESIAL TLE**

Dr Nasir Mizra, University of Liverpool.

O Vasieva; AG Marson; M Pirmohammed (all University of Liverpool).

2.25 pm - 2.40 pm **[18F]GE-179 PET REVEALS NMDA RECEPTORS ON PATIENTS WITH FOCAL EPILEPSY**

Dr Colm McGinnity - Imperial College/King's College, London

A Hammers, Imperial College, The Neurodis Foundation, Lyon, MRC Clinical Sciences Centre, London, UCL/Institute of Neurology; R Barros, Imperial College, MRC Clinical Sciences Centre, London; C Micallef, UCL/Institute of Neurology; S Luthra, GE Healthcare Ltd; PA Trigg, GE Healthcare Ltd; M Symms, UCL/Institute of Neurology; DJ Brooks, Imperial College, GE Healthcare Ltd; M Koeppe, UCL/Institute of Neurology; JS Duncan, UCL/Institute of Neurology.

2.40 pm - 3.05 pm **Tea and coffee**

Guest Lecture

3.05 pm - 3.45 pm **SUDEP: RISK FACTORS AND PROPOSED MECHANISMS**

Professor Torbjorn Tomson, Karolinska Institute, Sweden

Platform presentations

3.45 pm – 4.00 pm

STRUCTURAL CORRELATES OF IMPAIRED WORKING MEMORY IN TLE USING VBM AND DTI

Dr Gavin Winston, Epilepsy Society MRI, UCL/Institute of Neurology

J Stretton; M Sidhu; M Symms; P Thompson; JS Duncan (all UCL/Institute of Neurology).

4.00 pm - 4.15 pm

DENSE SURFACE MODELS OF FACE SHAPE ASSIST IN PREDICTING PATHOGENIC COPY NUMBER VARIANTS

Dr Krishna Chinthapalli, UCL/Institute of Neurology

E Bartolini, UCL/Institute of Neurology; J Novy, UCL/Institute of Neurology; M Suttie, UCL Institute of Neurology; C Marini, Meyer Children's Hospital, Florence, M Flachi, Meyer Children's Hospital, Florence; Z. Fox, UCL/ Institute of Neurology; L Clayton, UCL/Institute of Neurology; JW Sander, UCL/Institute of Neurology; R Guerrini, Meyer Children' Hospital, Florence; C Depondt, Universite Libre de Bruxelles; R Hennekam, University of Amsterdam; P Hammond, UCL/Institute of Neurology; SM Sisodiya, UCL/Institute of Neurology.

4.15 pm - 4.30 pm

IMAGING DYNAMIC MEMORY ENCODING NETWORK PLASTICITY POST ANTERIOR TEMPORAL LOBECTOMY FOR REFRACTORY TLE

Dr Meneka Sidhu, UCL/Institute of Neurology

J Stretton, G Winston, S Bonelli, M Symms, P Thompson, M Koepp, JS Duncan (all UCL/Institute of Neurology).

Poster presentations

SPIKE-RELATED BOLD CHANGES USING SIMULTANEOUS INTRACRANIAL EEG-fMRI AND COMPARISON WITH POSTSURGICAL OUTCOME

Dr Umair Chaudhary, UCL/Institute of Neurology

DW Carmichael, Institute of Child Health; R Rodionov, UCL/Institute of Neurology; S Vulliemoz, UCL/Institute of Neurology; C Scott, UCL/Institute of Neurology; C Micallef, UCL/Institute of Neurology; B Diehl, UCL Institute of Neurology; AW McEvoy, UCL/Institute of Neurology; JS Duncan, UCL/Institute of Neurology, L Lemieux, UCL/Institute of Neurology.

PROCESSING PICTURES, WORDS AND FACES: WHAT'S DIFFERENT IN ACTIVATION OF LANGUAGE RELATED CORTICAL AREAS?

Dr Anja Haag, UCL/Institute of Neurology

M Centeno; J Stretton; C Vollmar; M Symms; M Sidhu; B Wandschneider; P Thompson; JS Duncan; M Koepp(all UCL/Institute of Neurology).

OSTEOPOROSIS IN ADULTS WITH INTELLECTUAL DISABILITIES AND EPILEPSY- A SERVICE EVALUATION ON RISK ASSESSMENT AND BONE HEALTH CONSULTATIONS.

Dr Miriam Isaac, South West London and St George's Mental Health Trust, London;

S Palod, Kingston Community Learning Disability Team; L Gannon, Wandsworth Community Learning Disability Team; W Howie, South West London and St George's Mental Health Trust.

Poster presentations continued

SOMATIC CO-MORBIDITIES ARE A MAJOR ISSUE IN PEOPLE WITH EPILEPSY

Dr Jan Novy, UCL/Institute of Neurology.

GS Bell; SM Sisodiya; JW Sander (all UCL/Institute of Neurology).

ANTI-EPILEPTIC MEDICATION AND BONE HEALTH: A CLINICAL AUDIT

Dr Swapnil Palod, Kingston Community Learning Disability Team.

K Oluu, St George's Hospital Higher Training Scheme; W Howie, South West London and St George's Mental Health Trust; L Gannon, Wandsworth Community Learning Disability Team.

AN OBSERVATIONAL STUDY OF THE USE OF SEIZURE ALARMS IN PAEDIATRIC EPILEPSY.

Dr Nitin Panwar, Department of Paediatrics, Fairfield General Hospital, Rochdale.

D Hindley, Royal Bolton Hospital.

THE MODIFIED SPENCER APPROACH FOR DOMINANT TEMPORAL LOBECTOMY: LANGUAGE AND SEIZURE OUTCOMES.

Ms Alicia Skervin, University of Manchester.

V.Josan, Salford Royal Foundation NHS Trust.

FUNCTIONAL AND STRUCTURAL CONNECTIVITY OF THE WORKING MEMORY NETWORK IN TLE.

Mr Jason Stretton, UCL/Institute of Neurology.

G Winston; M Sidhu; C Volmar; M Symms; M Koepp; P Thompson; JS Duncan (all UCL/Institute of Neurology).

EFFECTS OF AGE OF SEIZURE ONSET AND EPILEPSY DURATION IN THE COGNITIVE NETWORKS OF FRONTAL LOBE EPILEPSY PATIENTS.

Mr Jason Stretton, UCL Institute of Neurology

M Centeno, UCL/Institute of Neurology; C Vollmar, Institute of Neurology; J O'Muircheartaigh, Institute of Psychiatry; MR Symms, UCL/Institute of Neurology; G Barker, Institute of Psychiatry; V Kumari, Institute of Psychiatry; P Thompson, UCL/Institute of Neurology; JS Duncan, UCL/Institute of Neurology; MP Richardson, King's College London; M Koepp, UCL/Institute of Neurology.

PROFESSIONAL AND FAMILY EXPERIENCES OF USING RESCUE MEDICATIONS WITH PEOPLE WITH EPILEPSY AND INTELLECTUAL DISABILITY.

Dr Rose Thompson, University of Cardiff

M Kerr, C Linehan, on behalf of the ILAE Task Force on intellectual disability in people with epilepsy.

Poster presentations continued

TESTING FOR IMPULSIVITY IN JME.

Dr Britta Wandschneider, UCL/Institute of Neurology

M Centeno, UCL/Institute of Neurology; C Vollmar, UCL/Institute of Neurology; J O'Muircheartaigh, King's College London, Institute of Psychiatry; P Thompson, UCL/Institute of Neurology; MP Richardson King's College London; JS Duncan UCL/Institute of Neurology; MJ Koepp, UCL/Institute of Neurology.

TRANSIENT EPILEPTIC AMNESIA- JUST EPILEPSY? OR NOT EPILEPSY AT ALL?

Professor Adam Zeman, University of Exeter

C Butler, University of Oxford.