Neurosciences Symposium

"Modern Neurogenetics: unravelling mechanisms & guiding management"

Friday 15th of May 2015
The Lighthouse
11 Mitchell Lane
Glasgow
G1 3NU

This one day symposium will illustrate how recent advances in genetic technology and knowledge have impacted on patient care and our understanding of the human nervous system

Beginning with how molecular diagnostic labs will have to rise to the challenge of new technologies and change the way testing is performed and reported, we will finish with how computational biology can provide novel insights into the complex interactions between genes and how they influence the spectrum of neuropsychiatric phenotypes.

The inaugural *"Stephenson Lecture"* will be given by Professor Yanick Crow who will discuss the genetic disorders of type 1 interferon regulation which are providing novel insights into viral and viral retroelement biology and the pathways linking nucleic acid metabolism to immune stimulation.

The meeting should be relevant to adult and paediatric neurologists, paediatricians, clinical geneticists and genetic scientists.

Rachael Ellis, Principal Clinical Scientist, West of Scotland Genetic Services
Challenges & opportunities of next generation molecular diagnostics

Dr Sameer Zuberi, Paediatric Neurologist & Honorary Clinical Associate Professor, Royal Hospital for Sick Children & University of Glasgow
Clinical utility of genetic testing in epilepsy

Dr Robert McFarland, Clinical Senior Lecturer & Consultant Paediatric Neurologist, Wellcome Trust Centre for Mitochondrial Research, Newcastle University
Improving the genetic diagnosis and prevention of mitochondrial disease

Dr John Livingston, Consultant Paediatric Neurologist & Honorary Associate Professor, Leeds General Infirmary & University of Leeds
"Sermons in stones" - neurogenetic disorders that may mimic congenital infection

"The Stephenson Lecture"
Professor Yanick Crow, Professor of Medical Genetics, Institut Imagine, Hôpital Necker, Paris
Human type 1 interferonopathies

Professor Darren Monckton, Professor of Human Genetics, University of Glasgow
Myotonic dystrophy: complex repeats and complex mechanisms in a complex disorder

Dr Vijeya Ganesan Senior Lecturer in Paediatric Neurology, UCL Institute of Child Health, London
Genetics of childhood cerebrovascular disease

Dr Manju Kurian, Wellcome Intermediate Clinical Fellow & Honorary Consultant in Paediatric Neurology, Great Ormond Street Hospital & Institute of Child Health, University College London
Genetic disorders of neurodegeneration with metal ion accumulation

Dr Michael Johnson, Reader & Honorary Consultant Neurologist, Imperial College London and Charing Cross Hospital
Genetic relationships between neuropsychiatric traits revealed by integrative genomics

Course organisers:
Dr Sameer M Zuberi
Mrs Leigh Hamilton

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Fees
Medical staff £150
AHP/Scientist £120

To register your interest in the symposium please E-mail:
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RCPCH has approved this activity for up to 5 CPD credits, in accordance with the current RCPCH CPD Guidelines.