‘The Educated Brain’
April 24th 2018
Macmillan Suite, Portcullis House, London

Programme

19:00 Arrival

19:15 Welcome by Daniel Zeichner, MP

19:20 Introductory remarks by Dr Sara Baker, Faculty of Education, University of Cambridge

Sara is a Senior Lecturer in Psychology and Education at the University of Cambridge. She is interested in the role of pre-frontal functions (i.e., impulse control) in the formation and expression of beliefs especially during early childhood. She uses behavioural and physiological measures to examine how children learn to adapt their understanding to an ever-changing world.

19:25 Professor Michael Thomas – Routes between neuroscience and education

Michael is a Professor of Cognitive Neuroscience at Birkbeck, University of London, and Director of the University of London Centre for Educational Neuroscience. He employs a multi-disciplinary approach, seeking to integrate data from behavioural studies, neuroscience methods (brain imaging and computational modelling) and genetics. His current projects in educational neuroscience include understanding the role of inhibitory control in science and math learning in primary age children, investigating the influence of cell phone use on teenage brain development, linking findings on sensitive periods in brain development to their educational implications, and building links between genetics and education.

19:30 Dr Duncan Astle - The impact of childhood deprivation on brain development

Duncan is a Programme Leader at the Medical Research Council’s Cognition and Brain Sciences Unit, and a Fellow of Robinson College, University of Cambridge. His research uses multiple methods to explore how brain systems develop through childhood, in typically developing children, those with genetic conditions, cognitive disorders and children with problems in classroom learning. In 2016 Duncan was awarded the Early Career Prize by the British Association of Cognition Neuroscience in recognition of his outstanding contribution to the field.

19:35 Dr Kirstie Whitaker - Building networks in the adolescent brain

Kirstie is a Research Fellow at The Alan Turing Institute (London, UK). Following a PhD in Neuroscience at the University of California, Berkeley, she joined the Department of Psychiatry at the University of Cambridge in 2012 and conducted her postdoctoral research in the Brain Mapping Unit under the supervision of Professor Ed Bullmore. She remains a member of the department as a senior research associate. Dr Whitaker uses magnetic resonance images to understand the changes in the brain’s structure and function that underlie the emergence of schizophrenia and depression.

19:40-21:00: Posters and networking
Young people and obsessive compulsive disorder – learning and cognitive control  
Dr Annemieke Apergis-Schoute, University of Cambridge

Stop and Think! In Science and Maths  
Ms Annie Brookman-Byrne, Birkbeck, University of London

Using data science for ADHD  
Mrs Jo Cotton, University of Cambridge

SMART spaces: Improving pupils’ learning and memory  
Mr Alastair Gittner, Hallam Teaching School Alliance & Queen’s University, Belfast

Teensleep - Targeting teenage sleepiness with education  
Dr Gaby Illingworth, Dr Rachel Sharman, Oxford University

Science of learning in secondary teacher education  
Miss Konstantina Ioannou, University of Bristol

UK youth: Fit to study?  
Mr Thomas Wassenaar, Oxford University

Baby Rhythm – the Neuroscience of Language Acquisition  
Mrs Natasha Mead, University of Cambridge

The Education Development Trust and the Wellcome Trust will also have posters on display.

The Educated Brain Programme Committee  

Dr Sara Baker, Faculty of Education, University of Cambridge  
Dr Michelle Ellefson, Faculty of Education, University of Cambridge  
Dr Dervila Glynn, Cambridge Neuroscience, University of Cambridge  
Dr Charlotte Sausman, University of Cambridge  
Ms Jane Walsh, Cambridge Language Sciences, University of Cambridge

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