The Sheffield NeuroSoc National Conference 2019
"The Brain in Flux"

2nd March 2019
The Edge, High Tor Conference Rooms, Sheffield

Names and details of Faculty and Speakers

Dr. Daniel Blackburn, BSc, MBChB, MRCP, PhD

"The Use of Virtual Doctor to Assess Cognitive Impairment"

Dr Daniel Blackburn is a Consultant Neurologist and Senior Clinical Lecturer based in Sheffield Institute for Translational Neuroscience (SITraN), University of Sheffield. He is also one of the co-module leads of MSc Clinical Neurology. His research primarily focuses on post-stroke dementia and diagnostic tests in early dementia or cognitive impairment using conversation analysis. Other interests include the role of astrocytes in the progression of Motor Neuron Disease and the use of EEG in Alzhimer's patients. One of his current projects is the development of an automated system to conduct cognitive screening in memory clinics. The workshop today demonstrates how this is used to assess patients' subjective memory complaints.

Dr. Gary Dennis, BSc, MBChB, FRCP, MD

"If you don't snooze you lose: The importance of sleep and the links between poor sleep and ill health"

Dr. Gary Dennis is a Consultant Neurologist who plays a leading role at The Sheffield Adult Neurological Sleep Service based in Royal Hallamshire Hospital, Sheffield Teaching Hospitals NHS Foundation Trust. He runs sleep clinics at the service with the support from a Multi-Disciplinary Team, supported by the likes of Clinical Neurophysiologists and Respiratory Physicians. Dr. Dennis is renowned for being one of the leading figures in

the country for his work on sleep medicine, his expertise has grasped media's attention on numerous occasions, having been quoted by news outlets such as the BBC News. His primary research interests are on sleep behaviours and its interaction with epilepsy.

Dr. Nicholas Meyer, MRCPsych

Dr. Nicholas Meyer is a Clinical Research Training Fellow at the Institute of Psychiatry, Psychology and Neuroscience, King's College London. His research focus is on sleep disturbances in people with psychotic disorders, especially schizophrenia. As a method to study this, Dr. Meyer is developing a novel mobile and wearable technologies called Sleepsight. This will be the focus of today's workshop. His other projects include digital interventions for serious mental illnesses and the modulation of anxiety-related neural circuits.

Dr. Gavin Clowry

"Aberrant Plasticity in Response to Lesions in the Neonatal CNS Leading to Cerebral Palsy and Its Implications on Therapeutic Interventions"

Dr. Gavin Clowry is a Senior Lecturer at The Medical School, Newcastle University. He is a respected researcher both nationally and internationally, frequently invited to speak in conferences in cities such as London, Copenhagen and Warsaw. His primary research interests are plasticity and repair of the nervous system and molecular neuroanatomical approaches such as neural tracing. Other current projects include exploring cortical interneuron function in mouse models, expression of schizophrenia susceptibility genes in early fetal human brain and more. Dr. Clowry is also very active in both undergraduate and postgraduate teaching, acting as the MRes Neuroscience theme lead.

Dr. Paresh Malhotra, PhD, FRCP

"Exploring Memory Impairments After Stroke"

Dr. Paresh Malhotra is a Clinical Reader in Cognitive & Behavioural Neurology at Imperial College London, as well as a Consultant Neurologist at Imperial College Healthcare NHS Trust. Dr. Malhotra's research focuses on cognitive deficits, particularly memory and attention, caused by neurological conditions. He aims to apply his research on improving therapeutic effectiveness and develop novel treatments for such conditions; drug trials have been carried out and he is examining the role of brain stimulation in the improvement of attention in post-stroke patients. As a major voice in his field, Dr. Malhotra has appeared on Sky News, ITV News and BBC World to discuss recent developments in dementia.

Dr. Gerald Finnerty

"Rewiring the Connectome"

Dr. Gerald Finnerty is a Senior Clinical Lecturer based at the Institute of Psychiatry, Psychology and Neuroscience, King's College London. Dr. Finnerty's primary research interests is the role of experience-dependent plasticity in learning and disease, ranging from stroke and neurodegeneration. He is a researcher of international significance in his field, having organised a symposium at Society for Neuroscience's (SFN) annual meeting, world's largest neuroscience meeting, in Chicago in 2015. One of the main ongoing projects is the exploring the mapping and more importantly, the rewiring of connectome by looking at evidence from recent studies. Dr. Finnerty will explore this further in today's talk.