

## Brain Visiting Lecturer

### MINI SYMPOSIUM PROGRAMME

#### Generic Disease Mechanisms in Motor Neurone Disease and other Neurodegenerative Disorders

9<sup>th</sup> September 2016

Chowen Lecture Theatre

Brighton & Sussex Medical School, Teaching Building, Falmer, BN1 9PX

<b>PROGRAMME</b>		
08.15 – 09.00		
Registration - Coffee & Croissants		
09.00 – 09.15		
Welcome: Professor Malcolm Reed, Dean, BSMS; Professor Leon Lagnado, Director, Sussex Neuroscience.		
09.15 – 11.00		
<b>1. Intracellular Transport and Trafficking</b>		
<i>Chairs: Professor PN Leigh, Brighton and Sussex Medical School / Dr Sarah Newbury, Brighton and Sussex Medical School</i>		
09.15 – 09.45	Axonal Transport and Neurodegeneration	Dr Majid Hafezparast, Sussex Neuroscience
09.45 – 10.15	Defective axonal transport of mitochondria in neurodegenerative disease	Dr Dr Kurt De Vos, University of Sheffield
10.15 – 10.45	Role of myosins in autophagy and neurodegenerative disorders	Dr Folma Buss, University of Cambridge
10.30 – 11.00	General discussion	
Coffee Break and Poster Session (PhD students, Sussex Neuroscience and Southampton)		
11.15 – 13.00		
<b>2. Models and mechanisms</b>		
<i>Chairs: Professor Dame Pamela Shaw, SITraN / Professor Louise Serpell, Sussex Neuroscience</i>		
11.15 – 11.45	Mouse modelling of motor neurone disease	Professor Elizabeth Fisher, Institute of Neurology, UCL
11.45 – 12.15	Understanding the role of microglia in Alzheimer's disease	Dr Diego Gomez-Nicola, University of Southampton
12.15 – 12.45	Propagation of protein aggregates in neurodegenerative disease	Dr Ben Falcon, MRC Laboratory of Molecular Biology, Cambridge
12.45 – 13.00	General discussion	
Buffet Lunch and Poster Session (PhD students, Sussex Neuroscience and Southampton)		
14.00 – 16.00		
<b>3. Epigenetics and RNA dysregulation</b>		
<i>Chairs: Dr Majid Hafezparast, Sussex Neuroscience / Professor Leon Lagnado, Sussex Neuroscience</i>		
14.00 – 14.30	The roles of miRNAs in movement control	Professor Claudio Alonso, Sussex Neuroscience
14.30 – 15.00	MicroRNAs as biomarkers – 'Lessons from cancer'	Dr Sarah Newbury, Brighton and Sussex Medical School
15.00 – 15.30	RNA dysregulation in motor neurone disease	Dr Pietro Fratta, Institute of Neurology, UCL
15.30 - 16.00	General discussion	
Tea Break (PhD students, Sussex Neuroscience and Southampton)		
<b>THE BRAIN LECTURE (OPEN LECTURE)</b>		
16.15 – 17.15	<b>Brain Visiting Lecture</b> Chowen Lecture Theatre, Medical School Building, University of Sussex, Falmer	<b>Professor Dame Pamela Shaw FMedSci; SITraN, University of Sheffield</b>
Wine & Refreshments		