# MINI SYMPOSIUM PROGRAMME

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

### 9th September 2016
Chowen Lecture Theatre
Brighton & Sussex Medical School, Teaching Building, Falmer, BN1 9PX

<table>
<thead>
<tr>
<th>TIME</th>
<th>PROGRAMME</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.15 – 09.00</td>
<td><strong>Registration</strong> - Coffee &amp; Croissants</td>
</tr>
<tr>
<td>09.00 – 09.15</td>
<td><strong>Welcome:</strong> Professor Malcolm Reed, Dean, BSMS; Professor Leon Lagnado, Director, Sussex Neuroscience.</td>
</tr>
</tbody>
</table>
| **09.15 – 11.00** | **1. Intracellular Transport and Trafficking**
**Chairs:** Professor PN Leigh, Brighton and Sussex Medical School / Dr Sarah Newbury, Brighton and Sussex Medical School |
| 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** | **2. Models and mechanisms**
**Chairs:** Professor Dame Pamela Shaw, SITraN / Professor Louise Serpell, Sussex Neuroscience |
| 11.15 – 11.45 | The roles of miRNAs in movement control
Professor Claudio Alonso, Sussex Neuroscience |
| 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** | **3. Epigenetics and RNA dysregulation**
**Chairs:** Dr Majid Hafezparast, Sussex Neuroscience / Professor Leon Lagnado, Sussex Neuroscience |
| 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)** | |
| **16.15 – 17.15** | **THE BRAIN LECTURE (OPEN LECTURE)**
**Brain Visiting Lecture**
Chowen Lecture Theatre, Medical School Building, University of Sussex, Falmer |
| | Professor Dame Pamela Shaw FMedSci; SITraN, University of Sheffield |
| | Wine & Refreshments |

Supported by The Guarantors of Brain