# Ageing and Neurodegeneration

## Day 1 (1 Sept)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
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<tbody>
<tr>
<td>4:00 - 8:00pm</td>
<td>Registration</td>
</tr>
<tr>
<td>6:00 - 7:00pm</td>
<td>Opening Lecture</td>
</tr>
<tr>
<td>8:00 - 11:00pm</td>
<td>Get Together</td>
</tr>
</tbody>
</table>

## Day 2 (2 Sept)

### Molecular Mechanisms of Disease Origin and Propagation

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
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<tbody>
<tr>
<td>8:30 - 9:00am</td>
<td>Adriano Aguzzi: Prions and beyond</td>
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<tr>
<td>9:00 - 9:30am</td>
<td>Mathias Jucker: Prion-like properties of cerebral b-amyloidosis</td>
</tr>
<tr>
<td>9:30 - 10:00am</td>
<td>David Rubinsztein: Autophagy and neurodegeneration</td>
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<tr>
<td>Coffee Break</td>
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</tbody>
</table>

### Beckman Coulter Session: Disturbance in Housekeeping Mechanisms in Neurodegeneration

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
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<tbody>
<tr>
<td>10:30 - 11:00am</td>
<td>Stuart Lipton: Effects of extrasynaptic vs. synaptic excitatory receptors in neurodegenerative diseases</td>
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<tr>
<td>11:00 - 11:30am</td>
<td>Hannah Monyer: The functional role of inhibition for cognitive processes</td>
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<tr>
<td>11:30 - 12:00pm</td>
<td>Gerry Melino: p73, its involvement in neuronal development and neurodegeneration via miR-34a</td>
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<tr>
<td>Lunch</td>
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## Day 3 (3 Sept)

### Molecular Mechanisms I

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
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</thead>
<tbody>
<tr>
<td>8:30 - 9:00am</td>
<td>Nils-Göran Larsson: Phenotypes in mice with respiratory chain deficient dopamine neurons</td>
</tr>
<tr>
<td>9:00 - 9:30am</td>
<td>Alex Whitworth: Drosophila models of Parkinson’s disease; unravelling the function of PINK1/parkin in mitophagy</td>
</tr>
<tr>
<td>9:30 - 10:00am</td>
<td>Bart De Strooper: Molecular aspects of the pathogenesis of Alzheimer’s disease</td>
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<tr>
<td>Coffee Break</td>
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<tr>
<td>10:30 - 11:00am</td>
<td>Christian Haass: Cellular mechanisms of neurodegeneration</td>
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<tr>
<td>11:00 - 11:30am</td>
<td>Eva-Maria Mandelkow: Tau pathology and reversibility in regulatable mouse models</td>
</tr>
<tr>
<td>11:30 - 12:00pm</td>
<td>Eckhard Mandelkow: Tau conformation, aggregation, and modes of toxicity</td>
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<tr>
<td>Lunch</td>
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</table>

### Molecular Mechanisms II

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
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<tbody>
<tr>
<td>1:00 - 1:30pm</td>
<td>Anthony Schapira: Parkinson’s disease: the molecular and clinical prodrome</td>
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<tr>
<td>1:30 - 2:00pm</td>
<td>Virginia Lee: Transmission of Alpha-Synuclein Pathology in Synucleinopathies</td>
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<tr>
<td>2:00 - 2:30pm</td>
<td>Valina Dawson: Parkin directs Parkinson’s disease traffic towards neurodegeneration</td>
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<tr>
<td>Coffee Break</td>
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<tr>
<td>3:00 - 3:30pm</td>
<td>Lennart Mucke: Aβ-induced Cognitive Deficits: Mechanisms and Treatment</td>
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<td>3:30 - 4:00pm</td>
<td>James Surmeier: The link between neuronal physiology, mitochondrial oxidant stress and vulnerability in Parkinson’s disease</td>
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<tr>
<td>4:00 - 4:30pm</td>
<td>Donato Di Monte: Ageing and neurodegeneration in Parkinson’s disease: the role of alpha-Synuclein</td>
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<tr>
<td>6:00 - 11:00pm</td>
<td>Social Event</td>
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## Day 4 (4 Sept)

### Translational Neurodegeneration

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
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</thead>
<tbody>
<tr>
<td>9:00 - 9:30am</td>
<td>Thomas Gasser: Genetic architecture of Parkinson’s disease</td>
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<tr>
<td>9:30 - 10:00am</td>
<td>Jens Brüning: CNS insulin/IGF-1 action in control of body weight, glucose homeostasis and proteotoxicity</td>
</tr>
<tr>
<td>Coffee Break</td>
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</tr>
<tr>
<td>10:30 - 11:00am</td>
<td>Nicolas Bazan: Induction of synaptic-regulated homeostatic signaling in the stroke penumbra during aging and in early stages of neurodegenerations</td>
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<tr>
<td>11:00 - 11:30am</td>
<td>Monique Breteler: TBA!</td>
</tr>
<tr>
<td>11:30 - 12:00pm</td>
<td>David Holtzman: Endogenous neuronal activity and the regional development of Alzheimer’s pathology</td>
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<tr>
<td>Lunch</td>
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## Acknowledgements and Awards

7:00 - 11:00pm | Awarding of the 1. Hartwig Piepenbrock-DZNE prize