

## Parkinson's UK Online Research Conference 2020: "Accelerating research and improving care"

Online (register for login details)

**Day 1 - Thursday 24 September**

| Time    | Session 1 - Keynote speaker 1 (Plenary)   |
|---------|---|
| 9.15am  | <a href="#">Log on and orientation (via welcome video)</a>  |
| 9.30am  | <b>Introduction and state of the nation</b><br>Dr Arthur Roach (Director of Research, Parkinson's UK)                             |
| 9.35am  | <b>Parkinson's perspective</b><br>Speaker TBC   |
| 9.45am  | <b>Keynote session: The involvement of glia and astrocytes in Parkinson's</b><br>Professor Glenda Halliday (University of Sydney) |
| 10.35am | <a href="#">Tea break (posters and networking)</a>  |

|         | Session 2a - Genetics of Parkinson's (Research stream)   | Session 2b - Clinical strategies for late-stage management (Healthcare stream)                        |
|---------|--|---|
| 11.05am | <b>Welcome and introduction</b><br><i>Session chair:</i> Professor Huw Morris (University College London)  | <b>Welcome and introduction</b><br><i>Session chair:</i> Dr David Breen (The University of Edinburgh) |
| 11.10am | <b>Monogenic forms of Parkinson's (alpha synuclein, LRRK2)</b><br>Professor Thomas Gasser (University of Tübingen)   | <b>Late-stage complications: motor</b><br>Professor Patricia Limousin (University College London)     |
| 11.30am | <b>Risk genes, GWAS studies and the International Parkinson's Genetics Consortium</b><br>Dr Andrew B. Singleton (National Institutes of Health (NIH), USA) | <b>Late-stage complications: non-motor</b><br>Professor Ray Chaudhuri (King's College Hospital)       |
| 11.50am | <b>Involvement of epigenetic changes in Parkinson's</b><br>Professor Marten P. Smidt (University of Amsterdam)   | <b>Palliative care</b><br>Dr Alison Yarnall (Newcastle University)                                    |
| 12.10pm | <b>Platform presentation TBC</b><br>Speaker TBC  | <b>Platform presentation TBC</b><br>Speaker TBC   |
| 12.15pm | <a href="#">Lunchtime (posters and networking)</a>   |   |

|        | Session 3a - Imaging and biomarkers (Research stream)   | Session 3b - Wearable technology and brain/vestibular stimulation (Healthcare stream)                                     |
|--------|---|---|
| 1.15pm | <b>Welcome and introduction</b><br><i>Session chair:</i> Dr Anthony Vernon (Kings College London)                                       | <b>Welcome and introduction</b><br><i>Session chair:</i> TBC  |
| 1.20pm | <b>Blood and CSF biomarkers in Parkinson's</b><br>Speaker TBC   | <b>Wearable technology: Modernising clinical research and practice</b><br>Professor Lynn Rochester (Newcastle University) |
| 1.40pm | <b>Novel CSF/blood biomarkers - RT-QulC</b><br>Dr Laura Parkkinen (Nuffield Department of Clinical Neurosciences, University of Oxford) | <b>Deep Brain Stimulation - strategies for management</b><br>Dr Ed Newman (Queen Elizabeth University Hospital, Glasgow)  |
| 2pm    | <b>Novel brain imaging biomarkers</b><br>Dr Tom Jenkins (Sheffield Institute for Translational Neuroscience (SITraN))                   | <b>Brain stimulator (external) - vestibular stimulation</b><br>Professor David Wilkinson (University of Kent)             |

|        |   |   |
|--------|---|---|
| 2.20pm | <b>Platform presentation TBC</b><br>Speaker TBC | <b>Platform presentation TBC</b><br>Speaker TBC |
| 2.25pm | <b>Tea break (posters and networking)</b>       |   |

|        | <b>Session 4a - Mechanisms of neurodegeneration and emerging therapeutic strategies (Research stream)</b>              | <b>Session 4b - New and emerging drug therapies (Healthcare stream)</b>   |
|--------|--|---|
| 2.55pm | <b>Welcome and introduction</b><br><u>Session chair:</u> Dr Sonia Gandhi (University College London)                   | <b>Welcome and introduction</b><br><u>Session chair:</u> Professor David T Dexter (Associate Director of Research, Parkinson's UK)  |
| 3pm    | <b>Mitochondrial dysfunction</b><br>Dr Heather Mortiboys (Sheffield Institute of Translational Neuroscience (SITraN))  | <b>New drugs in clinical development for treating motor and non-motor symptoms</b><br>Professor Oliver Bandmann (Sheffield Institute of Translational Neuroscience (SITraN))    |
| 3.20pm | <b>Synaptic dysfunction in Parkinson's</b><br>Dr Gabriele Kaminski Schierle (University of Cambridge)                  | <b>New drugs in clinical development for neuroprotective approaches</b><br>Professor Tom Foltynie (National Hospital for Neurology & Neurosurgery, Queen Square)                |
| 3.40pm | <b>The immune system as a therapeutic target in Parkinson's</b><br>Dr Caroline Williams-Gray (University of Cambridge) | <b>New treatments and approaches in pre-clinical development (trials and tribulations)</b><br>Dr Erwan Bezard (Institute of Neurodegenerative Diseases, University of Bordeaux) |
| 4pm    | <b>Platform presentation TBC</b><br>Speaker TBC  | <b>Platform presentation TBC</b><br>Speaker TBC   |
| 4.05pm | <b>Tea break (posters and networking)</b>  |   |

|        | <b>Session 5 - Panel debate (Plenary)</b>   |  |
|--------|---|--|
| 4.35pm | <b>Introduction</b><br>Dr Arthur Roach (Director of Research, Parkinson's UK)   |  |
| 4.40pm | <b>Neuroinflammation - cause or consequence?</b><br><u>Chair:</u> TBC.<br><u>Panel:</u><br>- Professor Glenda Halliday (University of Sydney)<br>- Dr Caroline Williams-Gray (University of Cambridge)<br>- Professor Huw Morris (University College London)<br>- Panellist TBC |  |
| 5.30pm | <b>Day 1 Content Ends</b>   |  |

## Parkinson's UK Online Research Conference 2020: "Accelerating research and improving care"

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**Day 2 - Friday 25 September**

| Time    | Session 6 - Keynote speaker 2 (Plenary)   |
|---------|---|
| 9.15am  | <a href="#">Log on and orientation (via welcome video)</a>  |
| 9.30am  | <b>Welcome to day 2</b><br>Professor David T Dexter (Associate Director of Research, Parkinson's UK)  |
| 9.35am  | <b>Parkinson's perspective</b><br>Speaker TBC   |
| 9.45am  | <b>Keynote session: Deferiprone - From bench to bedside (Translational approaches to developing therapeutics)</b><br>Professor David Devos (Lille University) |
| 10.35am | <a href="#">Tea break (posters and networking)</a>  |

|         | Session 7a - Parkinsonisms (Research stream)   | Session 7b - Stratification and early detection (Healthcare stream)   |
|---------|--|---|
| 11.05am | <b>Welcome and introduction</b><br><u>Session chair:</u> Dr Sonia Gandhi (University College London)                       | <b>Welcome and introduction</b><br><u>Session chair:</u> Dr David Breen (The University of Edinburgh)   |
| 11.10am | <b>Atypical Parkinsonisms - neuropathology</b><br>Professor James B. Rowe (Cambridge University Centre for Parkinson-Plus) | <b>Use of big data to clinically stratify Parkinson's</b><br>Speaker TBC  |
| 11.30am | <b>PSP - Diagnosis, clinical management and causes</b><br>Professor Huw Morris (University College London)                 | <b>Wearable technology for early diagnostics and stratification (inc. RBD)</b><br>Dr Christine Lo (Nuffield Department of Clinical Neurosciences, University of Oxford) |
| 11.50am | <b>Lewy-body dementia - Diagnosis, clinical management and causes</b><br>Dr Rimona Weil (University College London)        | <b>How to detect prodromal Parkinson's (Predict PD)</b><br>Dr Alastair Noyce (Wolfson Institute of Preventive Medicine, Queen Mary University London)                   |
| 12.10pm | <b>Platform presentation TBC</b><br>Speaker TBC  | <b>Platform presentation TBC</b><br>Speaker TBC   |
| 12.15pm | <a href="#">Lunchtime (posters and networking)</a>   |   |

|        | Session 8a - Pre clinical modelling (Research stream)   | Session 8b - Use of devices, apps and machine learning (Healthcare stream)  |
|--------|---|---|
| 1.15pm | <b>Welcome and introduction</b><br><u>Session chair:</u> Dr H el ene Plun-Favreau (UCL Institute of Neurology)                        | <b>Welcome and introduction</b><br><u>Session chair:</u> TBC  |
| 1.20pm | <b>Patient-derived cell lines: the pros and cons of various models</b><br>Dr Tilo Kunath (University of Edinburgh)                    | <b>Parkinson's UK devices and apps panel</b><br>Julie Dodd (Director of Transformation, Parkinson's UK)                                 |
| 1.40pm | <b>Modelling alpha-synuclein pathology in vivo</b><br>Professor Donato Di Monte (German Centre for Neurodegenerative Diseases (DZNE)) | <b>The Critical Path for Parkinson's 3-DT project - getting digital devices across the regulatory hurdle</b><br>Dr Josh Cosman (Biogen) |

|        |   |   |
|--------|---|---|
| 2pm    | <b>Modelling Parkinson's in midbrain-like organoids</b><br>Professor Jens Schwamborn (University of Luxembourg) | <b>Novel approaches to integrated care (combining drug and digital therapy interventions)</b><br>Dr Paul Goldsmith (Closed Loop Medicine) |
| 2.20pm | <b>Platform presentation TBC</b><br>Speaker TBC   | <b>Platform presentation TBC</b><br>Speaker TBC   |
| 2.25pm | <b>Tea break (posters and networking)</b>   |   |

|        | <b>Session 9a - Synaptic dysfunction (biomarkers and drug potential) (Research stream)</b>   | <b>Session 9b - Healthy living (Healthcare stream)</b>   |
|--------|--|--|
| 2.55pm | <b>Welcome and introduction</b><br><i>Session chair:</i> Dr Heather Mortiboys (Sheffield Institute of Translational Neuroscience (SITraN))   | <b>Welcome and introduction</b><br><i>Session chair:</i> Julie Jones (Robert Gordon University)  |
| 3pm    | <b>Mechanisms of <math>\alpha</math>-synuclein induced synaptopathy in Parkinson's</b><br>Dr Frank Hirth (King's College London)   | <b>The evidence base for the beneficial effects of exercise in Parkinson's</b><br>Fiona Lindop (University Hospitals of Derby & Burton NHS Foundation Trust) |
| 3.20pm | <b>Neuronal mitochondrial dysfunction in Parkinson's and how this is influenced by astrocytes</b><br>Dr Amy Reeve (Wellcome Centre for Mitochondrial Research, Newcastle University) | <b>Probiotics in the treatment of Parkinson's</b><br>Dr Valentina Leta (King's College London)   |
| 3.40pm | <b>Defects in synaptic function in Parkinson's</b><br>Professor Patrik Verstreken (VIB-KU Leuven Center for Brain & Disease Research, Belgium)                                       | <b>Glymphatic drainage of defective proteins through exercise and sleep</b><br>Dr Ian Harrison (University College London)                                   |
| 4pm    | <b>Platform presentation TBC</b><br>Speaker TBC  | <b>Platform presentation TBC</b><br>Speaker TBC  |
| 4.05pm | <b>Tea break (posters and networking)</b>  |  |

| <b>Session 10 - Keynote speaker 3 (Plenary)</b> |   |
|---|---|
| 4.35pm  | <b>Introduction</b><br>Professor David T Dexter (Associate Director of Research, Parkinson's UK)  |
| 4.40pm  | <b>Keynote session: Geroprotectors: time to change the way we treat older people?</b><br>Professor Ilaria Bellantuono (University of Sheffield) |
| 5.30pm  | <b>Closing statement, thanks and close</b><br>Professor David T Dexter (Associate Director of Research, Parkinson's UK)                         |
| 5.35pm  | <b>Day 2 Content Ends</b>   |

| <b>Session 11 - Bonus video session</b> |                                    |
|---|------------------------------------|
| 6.30pm                                  | <b>Introduction</b><br>Speaker TBC |
| 6.35pm                                  | <b>Topic TBC</b><br>Speaker TBC    |
| 6.55pm                                  | <b>Topic TBC</b><br>Speaker TBC    |
| 7.15pm                                  | <b>Topic TBC</b><br>Speaker TBC    |

\* This programme has been accredited for 14 CPD hours by the RCN Centre for Professional Accreditation until 07/04/2021. Accreditation applies only to the educational content of the programme and does not apply to any product.

\* The Parkinson's UK Online Research Conference 2020 has been approved by the Federation of the Royal College of Physicians of the United Kingdom for 16 category 1 (external) CPD credits.