

## 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	Log on and orientation (via welcome video)	
9.30am	<b>Introduction and state of the nation</b> Dr Arthur Roach (Director of Research, Parkinson's UK)	
9.35am	<b>Parkinson's perspective</b> Clare Lindley (Parkinson's Nurse Specialist)	
9.55am	<b>Keynote session: The involvement of glia and astrocytes in Parkinson's</b> Professor Glenda Halliday (University of Sydney)	
10.45am	Tea break (posters and networking)	
Session 2a - Genetics of Parkinson's (Research stream)		Session 2b - Clinical strategies for late-stage management (Healthcare stream)
11.15am	<b>Welcome and introduction</b> Session chair: Professor Huw Morris (University College London)	<b>Welcome and introduction</b> Session chair: Dr David Breen (The University of Edinburgh)
11.20am	<b>Monogenic forms of Parkinson's (alpha synuclein, LRRK2)</b> Professor Thomas Gasser (University of Tübingen)	<b>Late-stage complications: motor</b> Professor Patricia Limousin (University College London)
11.40am	<b>Risk genes, GWAS studies and the International Parkinson's Genetics Consortium</b> Dr Andrew B. Singleton (National Institutes of Health (NIH), USA)	<b>Late-stage complications: non-motor</b> Professor Ray Chaudhuri (King's College Hospital)
12pm	<b>Involvement of epigenetic changes in Parkinson's</b> Professor Marten P. Smidt (University of Amsterdam)	<b>Palliative care</b> Dr Alison Yarnall (Newcastle University)
12.20pm	<b>Platform presentation TBC</b> Speaker TBC	<b>Platform presentation TBC</b> Speaker TBC
12.25pm	Lunchtime (posters and networking)	
Session 3a - Imaging and biomarkers (Research stream)		Session 3b - Wearable technology and brain/vestibular stimulation (Healthcare stream)
1.25pm	<b>Welcome and introduction</b> Session chair: Dr Anthony Vernon (Kings College London)	<b>Welcome and introduction</b> Session chair: TBC
1.30pm	<b>Blood and CSF biomarkers in Parkinson's</b> Speaker TBC	<b>Wearable technology: Modernising clinical research and practice</b> Professor Lynn Rochester (Newcastle University)
1.50pm	<b>Novel CSF biomarker RT-QulC and its role in early diagnosis, monitoring disease progression and stratification</b> Dr Laura Parkkinen (Nuffield Department of Clinical Neurosciences, University of Oxford)	<b>Deep Brain Stimulation - strategies for management</b> Dr Ed Newman (Queen Elizabeth University Hospital, Glasgow)

2.10pm	<b>Novel brain imaging biomarkers - phosphorus spectroscopy in energy dynamics and oxidative stress</b> Dr Tom Jenkins (Sheffield Institute for Translational Neuroscience (SITraN))	<b>Brain stimulator (external) - vestibular stimulation</b> Professor David Wilkinson (University of Kent)
2.30pm	<b>Platform presentation TBC</b> Speaker TBC	<b>Platform presentation TBC</b> Speaker TBC
2.35pm	<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>
---	---

3.05pm	<b>Welcome and introduction</b> <u>Session chair:</u> Dr Sonia Gandhi (University College London)	<b>Welcome and introduction</b> <u>Session chair:</u> Professor David T Dexter (Associate Director of Research, Parkinson's UK)
3.10pm	<b>Mitochondrial dysfunction</b> Dr Heather Mortiboys (Sheffield Institute of Translational Neuroscience (SITraN))	<b>New drugs in clinical development for treating motor and non-motor symptoms</b> Professor Oliver Bandmann (Sheffield Institute of Translational Neuroscience (SITraN))
3.30pm	<b>Synaptic dysfunction in Parkinson's</b> Dr Gabriele Kaminski Schierle (University of Cambridge)	<b>New drugs in clinical development for neuroprotective approaches</b> Professor Tom Foltynie (National Hospital for Neurology & Neurosurgery, Queen Square)
3.50pm	<b>The immune system as a therapeutic target in Parkinson's</b> Dr Caroline Williams-Gray (University of Cambridge)	<b>New treatments and approaches in pre-clinical development (trials and tribulations)</b> Dr Erwan Bezard (Institute of Neurodegenerative Diseases, University of Bordeaux)
4.10pm	<b>Platform presentation TBC</b> Speaker TBC	<b>Platform presentation TBC</b> Speaker TBC
4.15pm	<b>Tea break (posters and networking)</b>	

<b>Session 5 - Keynote speaker 2 (Plenary)</b>
--

4.45pm	<b>Introduction</b> Dr Arthur Roach (Director of Research, Parkinson's UK)
4.50pm	<b>In situ conversion of astrocytes to dopaminergic neurons to reverse Parkinson's</b> Professor Xiang-Dong Fu (University of California, San Diego)
5.40pm	<b>Closing statement, thanks and close</b> Dr Arthur Roach (Director of Research, Parkinson's UK)
5.45pm	<b>Day 1 Content Ends</b>

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

Online (register for login details)

## Day 2 - Friday 25 September

Time	Session 6 - Keynote speaker 3 (Plenary)
9.15am	Log on and orientation (via welcome video)
9.30am	<b>Welcome to day 2</b> Professor David T Dexter (Associate Director of Research, Parkinson's UK)
9.35am	<b>Parkinson's perspective</b> Dr Jonny Acheson (Leicester Royal Infirmary)
9.55am	<b>Keynote session: Deferiprone - From bench to bedside (Translational approaches to developing therapeutics)</b> Professor David Devos (Lille University)
10.45am	Tea break (posters and networking)

	Session 7a - Parkinsonisms (Research stream)	Session 7b - Stratification and early detection (Healthcare stream)
11.15am	<b>Welcome and introduction</b> Session chair: Dr Sonia Gandhi (University College London)	<b>Welcome and introduction</b> Session chair: Dr David Breen (The University of Edinburgh)
11.20am	<b>Atypical Parkinsonisms - neuropathology</b> Professor James B. Rowe (Cambridge University Centre for Parkinson-Plus)	<b>Use of big data to clinically stratify Parkinson's</b> Speaker TBC
11.40am	<b>PSP - Diagnosis, clinical management and causes</b> Professor Huw Morris (University College London)	<b>Wearable technology for early diagnostics and stratification (inc. RBD)</b> Dr Christine Lo (Nuffield Department of Clinical Neurosciences, University of Oxford)
12pm	<b>Lewy-body dementia - Diagnosis, clinical management and causes</b> Dr Rimona Weil (University College London)	<b>How to detect prodromal Parkinson's (Predict PD)</b> Dr Alastair Noyce (Wolfson Institute of Preventive Medicine, Queen Mary University London)
12.20pm	<b>Platform presentation TBC</b> Speaker TBC	<b>Platform presentation TBC</b> Speaker TBC
12.25pm	Lunchtime (posters and networking)	

	Session 8a - Pre clinical modelling (Research stream)	Session 8b - Use of devices, apps and machine learning (Healthcare stream)
1.25pm	<b>Welcome and introduction</b> Session chair: Dr Hélène Plun-Favreau (UCL Institute of Neurology)	<b>Welcome and introduction</b> Session chair TBC
1.30pm	<b>Patient-derived cell lines: the pros and cons of various models</b> Dr Tilo Kunath (University of Edinburgh)	<b>Parkinson's UK devices and apps panel</b> Julie Dodd (Director of Transformation, Parkinson's UK)
1.50pm	<b>Modelling alpha-synuclein pathology in vivo</b> 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> Dr Josh Cosman (Abbvie)

2.10pm	<b>Modelling Parkinson's in midbrain-like organoids</b> Professor Jens Schwamborn (University of Luxembourg)	<b>Novel approaches to integrated care (combining drug and digital therapy interventions)</b> Dr Paul Goldsmith (Closed Loop Medicine)
2.30pm	<b>Platform presentation TBC</b> Speaker TBC	<b>Platform presentation TBC</b> Speaker TBC
2.35pm	<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>
3.05pm	<b>Welcome and introduction</b> <u>Session chair:</u> Dr Heather Mortiboys (Sheffield Institute of Translational Neuroscience (SiTraN))	<b>Welcome and introduction</b> <u>Session chair:</u> Julie Jones (Robert Gordon University)
3.10pm	<b>Mechanisms of <math>\alpha</math>-synuclein induced synaptopathy in Parkinson's</b> Dr Frank Hirth (King's College London)	<b>The evidence base for the beneficial effects of exercise in Parkinson's</b> Fiona Lindop (University Hospitals of Derby & Burton NHS Foundation Trust)
3.30pm	<b>Neuronal mitochondrial dysfunction in Parkinson's and how this is influenced by astrocytes</b> Dr Amy Reeve (Wellcome Centre for Mitochondrial Research, Newcastle University)	<b>Probiotics in the treatment of Parkinson's</b> Dr Valentina Leta (King's College London)
3.50pm	<b>Defects in synaptic function in Parkinson's</b> Professor Patrik Verstreken (VIB-KU Leuven Center for Brain & Disease Research, Belgium)	<b>Glymphatic drainage of defective proteins through exercise and sleep</b> Dr Ian Harrison (University College London)
4.10pm	<b>Platform presentation TBC</b> Speaker TBC	<b>Platform presentation TBC</b> Speaker TBC
4.15pm	<b>Tea break (posters and networking)</b>	

<b>Session 10 - Keynote speaker 4 (Plenary)</b>	
4.45pm	<b>Introduction</b> Professor David T Dexter (Associate Director of Research, Parkinson's UK)
4.50pm	<b>Keynote session: Geroprotectors: time to change the way we treat older people?</b> Professor Ilaria Bellantuono (University of Sheffield)
5.40pm	<b>Closing statement, thanks and close</b> Professor David T Dexter (Associate Director of Research, Parkinson's UK)
5.45pm	<b>Day 2 Content Ends</b>

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