Poster List (presenting author underlined)

***Posters marked with a red asterisk are accompanied by an oral presentation during the day**

1*	Dopamine but not glutamate release is disrupted in Parkinson's patient-derived dopaminergic neurons due to impaired synaptic vesicle loading **Kaitlyn M L Cramb, Iona Thomas-Wright, Humaira Noor, Sandor Szunyogh, Maria Claudia Caiazza, Ira Milosevic, Dayne Beccano-Kelly, Stephanie J Cragg, Richard Wade-Martins**
2	Modelling Lewy Pathology in Differentially Vulnerable Cortical and Dopaminergic Neurons from Patients with Alzheimer's and Parkinson's Disease **Ajantha Abey, Eden Mellor-Davis, Bryan Ng, Rachel Heon-Roberts, Becky Carlyle, Nora Bengoa-Vergniory, Richard Wade-Martins**
3	Investigating BIN1 involvement in tau handling and extracellular vesicle secretion in human iPSC-microglia **Anne Hedegaard, Maria K Karabova, Emma Mead, Theresa A Day, Basavaraj Hooli, Yaming Wang, William S James, Sally A Cowley**
4	The neuropathological signature of REM sleep behaviour disorder in selectively vulnerable brainstem nuclei and the association with Parkinson's disease **Nita Alpin, David A Menassa, Laura Parkkinen**
5	Development of pre-clinical models for patient stratification in Parkinson's disease **Sarah H Ellwood, Anna Lavayssiere, Sally A Cowley, Brent J Ryan, Michele T M Hu and Richard Wade-Martins**
6	Monitoring Expression and Function of Voltage-Gated Calcium Channels in Stem Cell-Derived Neuronal Models of Parkinson's **Parnaz Sharifi, Maria-Claudia Caiazza, Johanna Hoffman, Sophie Gibson, Fangjia Yang, Akansha Mehta, Elena Britti, Elliot Mock, Richard Wade-Martins**
7*	Exploiting our understanding of selective vulnerability of dopamine axonal subpopulations to identify α2δ as a promising target for Parkinson's **Katherine R Brimblecombe, Adam Harris, Bethan O'Connor, Lucille Duquenoy, Rishi Anand, Emanuel Lopes, Bradley M Roberts, Lauren Burgeno, Mark Walton, Stephanie J Cragg**

8	Targeting ATP13A2 to treat alpha-synuclein cellular pathology in iPSC-dopamine neuron models of Parkinson's Disease **Elena Britti, Nicole Li, Akansha Mehta, Rachel L Heon-Roberts, Nancy Ahuja, Jess Mark, Floriana Licitra, Joanna Wolak, William McGuinness, Brent J Ryan, Charmaine Lang, Richard Wade-Martins**
9	Characterisation and high-throughput quantification of alpha-synuclein pathology in Alzheimer's disease and dementia with Lewy bodies **Dominik Domanski, Robbie Allen, David A Menassa, Laura Parkkinen**
10	Over-expression of ATP13A2 rescues lysosomal dysfunction in Parkinson's induced pluripotent stem cell-derived dopamine neurons **Akansha Mehta, Nancy Ahuja, Elena Britti, Joanna Wolak, Charmaine Lang & Richard Wade-Martins**
11	Investigating the role of lysosomal calcium channels in Parkinson's Disease iPSC-derived Dopaminergic Neurons **Johanna L Hoffmann, Maria Claudia Caiazza, William McGuiness, Parnaz Sharifi, Stewart W Humble, Richard Wade-Martins**
12	Using CRISPRi Screens in Human iPSC-Derived Dopamine Neurons to Probe Endolysosomal Pathway Dysfunction in Parkinson's Disease **Gizem Onal, Hugo Fernandes, Victoria Lievens, Benedetta Carbone, Dehua Zhao, Lisa Mohamet, Brent J Ryan, Alastair Reith, and Richard Wade-Martins**
13	Stools and stool-derived extracellular vesicles from patients with Parkinson´s disease show alpha-Synuclein species with seeding capacity **Livia Civitelli, Poppy Dorlandt-Stafford, Selene Lee, Elisabeth Dellar, Filip Scheperjans, Laura Parkkinen**
14	CRISPRi-Mediated Downregulation of α-Synuclein in human iPSC-Derived Dopaminergic Neurons to Investigate Parkinson's Disease Mechanisms **Ana Aragón-González, Chor Lai Lam, Hung-Ju Chueh, Benedict Tanudjojo and George K Tofaris**
15	Establishing mitochondrial function and mitophagy assays in iPSC-derived dopaminergic neurons **Amelia Smith, Rachel Heon-Roberts, Elena Britti, Sarah NJ Franks, Becky Carlyle, Brent J Ryan**

16	Optimisation of the protocol for the isolation of extracellular vesicles from stools in Parkinson's disease patients **Annabelle Bath, Darragh O'Brien, Michele T M Hu, Stephanie Fowler, Livia Civitelli**
17	Investigating the differential response of human iPSC-microglia to monomeric and fibrillary tau **Anna del Ser-Badia, Zeynep Baykam, Maria Kreger Karabova, Anne Hedegaard, William S. James, Sally A. Cowley**
18	Identifying mechanisms regulating α-synuclein degradation by CRISPR knockout screening **Andrew Castle, Rahel Lewin, Sarubini Kananathan, Fiona Menzies, Suchira Bose, Gopuraja Dharmalingam, and George K Tofaris**
19	Defining Proteomic Subtypes to understand The Heterogeneity of Parkinson's Pathophysiology **Rashmi Maurya, Sacha Gandhi, Alejo Nevado-Holgado, Donald Grosset, Laura Winchester**
20	Synthesis and validation of PROTACs for degradation of □-synuclein aggregates in cellular models of Parkinson's disease **Taniya Bhardwaj, Hung-Ju Chueh, Dmitry Zenko, Alexander Ignatyev, Massimiliano Travagli, George K Tofaris**
21	Dopamine replacement therapy modulates dopa decarboxylase, prolactin and AOC3 levels in Parkinson's disease **Ludo van Hillegondsberg, Shahzad Ahmad, Tanja Zerenner, Michael Lawton, Yoav Ben-Shlomo, Micah Fletcher, Karolien Groenewald, Avigail Taylor, Alexander Thompson, Michele T M Hu**
22	Correlating mitochondria phenotypic profiling with proteomics in a simulated drug screen to reveal drug-protein-functional axes **Sarah NJ Franks, Arkadiusz Nawrocki, Andrey Kormilitzin, Martin Larsen, Helle Bogetofte Barnkob, Brent J Ryan**

23	Extended follow-up of baseline PD subtypes **Michael Lawton, Yoav Ben-Shlomo, Donald G Grosset, Michele T M Hu**
24	Investigating Dysfunction in iPSC-Derived Medium Spiny Neurons from Parkinson's Patients with SNCA Triplication **Humaira Noor, Kaitlyn M L Cramb, Lahiru Handunnetthi, Richard Wade-Martins**
25	Investigating adenosine signalling in iPSC and mouse models of Parkinson's disease **Aishwarya Vedula, Ricardo Marquez Gomez, Kathryn Todd, Richard Wade-Martins, Joseph Morgan and Stephanie J Cragg**
26	The Levodopa Paradox in Parkinson's Disease: Causal Inference Analysis in the OPDC Cohort **Anahita Nodehi, Jorik Nonnekes, Tanja Zerenner, Michael Lawton, Lotte van de Venis, Bas Bloem, Michele T M Hu, Sirwan Darweesh, Yoav Ben-Shlomo**
27*	3D Droplet Printing of a Human Cortico-striatal-dopamine Microcircuit to Model Parkinson's Disease **Oliver Curry, Ricardo Marquez Gomez, Linna Zhou, Hagan Bayley, and Richard Wade-Martins**
28	Pharmacological correction of excessive basal mitophagy by pathological levels of α-synuclein restores neuronal function in human dopaminergic neurons **Elliot D Mock, Benjamin Vallin, William McGuinness, Raman van Wee, Martha Lavelle, Benjamin Jenkins, Brent J Ryan, Richard Wade-Martins**
29*	Sleep benefit in Parkinson's disease: a video analysis based reappraisal **Pietro-Luca Ratti, Nushara Wedasingha, Paulo Nunes-Ferreira, Stefano Scafa, Alessandro Puiatti**
30	Predicting level-2 cognitive outcomes and research clinic diagnosis of MCI and dementia in Parkinson's Disease from the MoCA **Tanja Zerenner, Sanjay G Manohar, Michael Lawton, Jamil Razzaque, Falah Al Hajraf, Karolien Groenewald, Ludo van Hillegondsberg, Tamir Eisenstein, Johannes C Klein, Yoav Ben-Shlomo, Michele T M Hu**

31	Central cholinergic degeneration in prodromal and early Lewy body disease: a link to present and future disease states **Tamir Eisenstein, Karolien Groenewald, Ludo van Hillegondsberg, Falah Al Hajraf, Tanja Zerenner, Michael Lawton, Yoav Ben-Shlomo, Ludovica Griffanti, Michele T M Hu, Johannes C Klein**
32	Constraints of a genome-first approach in the diagnosis of Parkinson's Disease **Dianne F Newbury, Alistair Pagnamenta, Ira Milosevic, Jenny C Taylor**
33	Differentiating Lewy body dementias through quantitative clinicopathology **Kristijan D Jovanoski, David A Menassa, Laura Parkkinen**
34	Extracellular vesicles as carriers of pathogenic α-synuclein in neurodegenerative diseases **Suman Dutta, Stelios Chatzimichail, Achillefs N Kapanidis and George K Tofaris**
35	Investigating Neuron–Microglia Interactions using a Human iPSC-based model for Parkinson's Disease **Hung-Ju Chueh, Antigoni Katsikoudi, Ana Aragón-González, Liezel Tamon, Ashwin Jainarayanan, Chor Lai Lam, Sally A Cowley, David Sims, George K Tofaris**
36	Investigating LRRK2 PD-related lysosomal dysfunction in iPSC-microglia **Anne S G Larsen, Sophie Farrow, Sally A Cowley**
37	Neural activity motifs and dopamine-acetylcholine dynamics in the striatum: insights from a mouse delayed-go reaching task **Teris Tam, Rasha Elghaba, Helen Collins, Kouichi Nakamura, Julien Carponcy, Guy Yona, Peter Magill**
38	Subsecond Striatal Dopamine and Acetylcholine Signalling Dynamics during a Delayed-Go Reaching Task in Dopamine-Intact and Parkinsonian Mice **Rasha Elghaba, Teris Tam, Helen Collins, Guy Yona, Kouichi Nakamura, Julien Carponcy, Peter Magill**