

ARUK Oxford Network Pilot Grants awarded

2013

- Steven Chance: Diffusion imaging of the cerebral cortex in dementia to measure a novel brain structural biomarker of early cortical change
- Laura Parkkinen and Olaf Ansorge: Technical support for project: Impact of Parkinson's disease risk genes on the pathological end points
- Heike Wobst and Richard Wade-Martins: Elucidating the role of tau and its interaction with fyn in transgenic tau mouse models

2014

- Samrah Ahmed: An investigation into the nature of memory impairment in posterior cortical atrophy
- Gabriele C. De Luca: The role of mTOR in selective vulnerability in Alzheimer's Disease
- Mang Ching Lai: Molecular mechanisms underlying haplotype-specific regulation of microtubule associated protein tau (MAPT) exon 3 splicing

2015

- Tara Caffrey: Haplotype sequence variants effect on the alternative splicing of the MAPT gene
- Walther Haenseler: Modelling neuroinflammation in Alzheimer's Disease using iPSC-microglia/cortical neuron co-culture

2016

- Samrah Ahmed: Investigating the diagnostic utility of spatial memory and orientation in Alzheimer's
- Zoi Alexopoulou: Usp8 inhibitors against α -synuclein levels and aggregation
- Angela Bithell: Construction of 3D in vitro human induced pluripotent stem cell-derived neuronal networks to model Alzheimer's disease
- Verena Heise: Apolipoprotein E genotype effects on structure and function of the human hippocampal formation
- Heyne (Cecilia) Lee: Comparative study of LRRK2 in human induced pluripotent stem cell derived macrophages and glial cells.
- Francesca Nicholls: iPSC-derived astrocytes for high throughput screening of A β toxicity
- Anya Topiwala: Cognitive Resilience Index: predictive of future decline?
- Mario Torso: A novel diffusion-weighted magnetic resonance imaging tool for cortical architecture measurements
- Nahid Zokaei: Changes in memory and attention associated with ageing and APOE

2017

- Dr Samrah Ahmed: Developing an automated measure of limb apraxia in dementia
- Dr Tara Caffrey: Investigating the effect of tau on axonal transport and tau release in MAPT-iPSC cortical neuron models
- Dr Rowan Flynn and Dr Sally Cowley: Identifying Pathways Contributing to a Pro-Inflammatory Phenotype in FTD/ALS Patient iPSC-Derived Macrophages
- Dr Ivan Koychev: Bluetooth beacons
- Dr Michele Veldsman: What makes strategic stroke strategic? Multimodal imaging and network methods to predict dementia after strategic stroke.
- Dr Siv Vingill: Analysis of tau secretion in iPS differentiated neuronal cultures.

ARUK Oxford Network Small Equipment Awards awarded

2015

- Laura Parkkinen: Funding towards FLUOstar OMEGA Microplate Reader
- Elena Ribe: Eight channel, 4 roller cartridge perfusion pump system
- George Tofaris: Sonicator, fridge and freezer for iPSc work, blot transferring equipment, electrophoresis tank, pipette set for iPS hood, computer for HPLC machine
- Richard Wade-Martins: Objectives and filter cubes for EVOS fluorescence microscope

2017

- Dr Brent Ryan: Optogenetic light source and controller for 96/384-well plates to allow uniform illumination of wells inside a cell-culture incubator