

# Cutting edge neuroscience (SpE1) 3 minute rapid-fire poster talks, supported by the MRC



Name	Title
1 Alison Costigan	Neurochemical correlates of scene processing in the posterior cingulate cortex: a combined fMRI and 1H-MRS study
2 Greta Lazutkaite	Multiple mechanisms of amino acid sensing in hypothalamic tancytes
3 Antonio J Gonzalez	Brain-derived neurotrophic factor and exercise-induced reversal of cognitive deficits in schizophrenia in the sub-chronic phencyclidine rat model
4 Arantza Barrios	Glia developmental plasticity couples learning and motor behaviour to reproductive needs.
5 Bethany M Coad	The cingulum bundle: backbone of the social brain?
6 Chi Momoh	Adrenal-dependent regulation of glutamaergic-related plasticity: impact of endogenous glucocorticoids on natural synaptic activity
7 Claire V Burley	Aerobic fitness offsets age related decline in performance on attention switching and mental arithmetic tasks.
8 Daniel Cotfas	What is the role of the WDR45 gene in autophagy?
9 Elisa Galliano	Embryonic and postnatal neurogenesis produce functionally distinct subclasses of dopaminergic neuron
10 George Tackley	Neuropathic pain severity varies with spinal cord lesion level in neuromyelitis optica, a chronic neuroinflammatory condition.
11 Giada Cellot	Early dysfunction of glycinergic premotor neurons in a zebrafish model of amyotrophic lateral sclerosis
12 Jacob M. Levenstein	Clinical Acute Stroke Imaging of Motor Deficits using VLSM and White Matter Track Based Analyses
13 Jacqueline Stacey	How does sensory information interact with early interneuron circuits to direct the maturation of the neocortex?
14 Jordan McCall	Intrinsic properties of central amygdala dynorphin neurons
15 Julia Gjerstad	Selective inhibition of FKBP51 alters ultradian and stress-induced corticosterone secretion in the rat
16 Keiron Sparrowhawk	A self-administered, non-medical intervention to identify and improve cognitive issues in populations across a range of ages and health conditions
17 Kirsty Roberts	Phenotypic differences in performance of a three choice serial reaction time task (3-CSRTT) in a non-rodent species
18 Lindsey F Cassini	Boundaries between contextual fear memory reconsolidation and extinction
19 Mark A. G. ELDRIDGE	Modifying monkey behaviour with chemogenetic tools (DREADDs)
20 Matthew Broadhead	Mapping Synapses and Astrocytic Processes in the Mammalian Spinal Cord
21 Matthew T. Birnie	Methylprednisolone treatment dysregulates clock gene expression and alters circadian rhythmicity in locomotor activity and body temperature in rat
22 Miguel Baudel	The expression of the chloride co-transporters NKCC1 and KCC2 is reversed in the penumbra following photothrombotic stroke in mice
23 Molly O'Reilly	XE 991, a KV7 channel blocker, acts as an otoprotectant in vitro
24 Olatz Goñi-Balentiaga	HIPPOCAMPAL MONOAMINERGIC CHANGES ACCORDING TO STRESS COPING STRATEGIES IN TUMOR INOCULATED MICE
25 Peter Zhukovsky	Perseveration in spatial-discrimination reversal learning is differentially affected by MAO-A and MAO-B inhibition and associated with reduced anxiety
26 Regimantas Jurkus	CANNABIDIOL DAMPENS THE EXPRESSION OF AUDITORY FEAR MEMORY WITHOUT AFFECTING ITS EXTINCTION IN RATS
27 Samuel Ohiomokhare	Chronic exposure to low dose vanadium exacerbates the motor deficits in the Drosophila melanogaster PINK mutant model of Parkinson's disease
28 Simona Palusci	IDENTIFICATION OF NOVEL BIOMARKERS FOR THE IMPROVEMENT OF THE DIAGNOSIS, PROGNOSIS AND TREATMENT OF MULTIPLE SCLEROSIS
29 Susan Chalmers	Hyperglycaemia reduces mitochondrial motility and size in mature hippocampal cells
30 Yilin Mao	Systemic administration of a Connexin43 mimetic peptide is neuroprotective and improves functional recovery after spinal cord injury in rats