



MONDAY 10TH APRIL 2017

11:00	REGISTRATION and set-up for poster session one
13:00	SpE1: Rapid-fire poster talks S1: Neural networks of fear and anxiety S2: Spinal motor control: more than just a reflex S3: Novel targets for pain, depression and their co-morbidity S4: Hypothalamic tanycytes, the metabolic brain and adult neurogenesis
14:40	Exhibition and Poster Session One
16:20	S5: Disorders of motivation in brain conditions S6: Epigenetics: causes and consequences in neurological disorders S7: Retrosplenial cortex – a gateway to episodic memories? S8: Treating anxiety – the role of benzodiazepines and beyond S9: Towards disease modifying drugs for neurodegeneration: connecting learnings from genetics, molecular & pathology studies
18:10	Opening remarks Plenary 1: Masud Husain - When memory and motivation fade in brain disorders
19:20	SE1: WELCOME RECEPTION

TUESDAY 11TH APRIL 2017

09:00	W1: Careers workshop: grant-writing and funding S10: Microglia, neuroinflammation & psychiatric disease: biomarkers & therapeutic potential S11: Neuronal control of nutrition: integrating energy balance and motivation S12: Old brains, new insights S13: Young people's mental health: uniting the sciences to find answers S14: Neural mechanisms underlying autonomic responses to stress
10:40	Exhibition viewing
11:20	Plenary 2: Andrea Brand Nutritional control of neural stem cells
12:20	Exhibition viewing and SpE2: Career speed-dating (1)
13:20	S15: Synaptic plasticity in physiological contexts S16: PRESIDENT'S SYMPOSIUM: Neuroscience informed education S17: Genetics of language disorders: from gene mapping to biological mechanisms S18: The relevance of invertebrate neuroscience to food security S19: Neurobiological roots of brain tumours S21: Imaging the Emotional Brain: fMRI studies in rodents and man
15:00	Exhibition viewing and Poster Session Two
16:40	Plenary 3: Graham Collingridge (2016 Brain Prize Winner) Synaptic plasticity, memory, and molecules
18:00	PUBLIC LECTURE: Paul Howard-Jones Neuroscience and Education: Promises and Perils
19:30	SpE3: Brain prize Evening – with Tim Bliss, Graham Collingridge, and Karen Steel

WEDNESDAY 12TH APRIL 2017

09:00	W2: Beyond Academe S21: Opioids revisited: new developments and opportunities for opioid pharmacology S22: Information integration across the senses S23: The APOE paradox: Pathway to Alzheimer's disease S24: Epilepsy and precision medicine S25: Environment and synaptic function
10:40	Exhibition viewing
11:20	Plenary 4: Alon Chen - Genetic and optogenetic dissection of the central stress response & stress-linked psychiatric disorders
12:20	Exhibition and SpE4: Career speed-dating (2)
13:20	S26: Why neuroinformatics and computational modelling matters for neuroscience S27: Towards a causal understanding of motor learning in humans: a role for non-invasive brain stimulation S28: Epigenetics, placenta and developmental programming: coordination of mother and offspring brain S29: From channelopathies to synaptopathies S30: Bad Pharma? Improving CNS drug discovery and development with live human CNS tissue S31: Long-term effects of early life activation of the hypothalamic pituitary adrenal (HPA) axis: a comparative approach
15:00	Exhibition viewing and Poster Session Three
16:40	Plenary 5: May-Britt Moser (2014 Nobel prize winner) Brain mechanisms for representing space
18:00	PUBLIC LECTURE: Clive Ballard How neuroscience helps us understand and find treatments for dementia
20:00	Eight 'till Late - Student Games Night

THURSDAY 13TH APRIL 2017

09:00	SpE5: Breaking neuroscience S32: Understanding microglial functional heterogeneity in the healthy and diseased brain S33: What is special about social? S34: MRI at 7 Tesla: new capabilities and insights S35: What the brain tells us about the mind: lessons from neuropsychiatry S36: Early life stress: Consequences for neurodevelopment and behaviour
10:40	Short break
11:00	DF1: How to engage the public about research DF2: Reproducibility in neuroscience DF3: Neuroscience post-Brexit DF4: Publishing: where and how and what next? DF5: Brain research, ethics, policy and society
12:00	Poster awards Plenary 6: Sarah-Jayne Blakemore Adolescence as a sensitive period of brain development Closing remarks

BNA AGM