

# The 6th UK-KOREA Neuroscience Symposium

Royal Marriott Hotel,  
Bristol,  
United Kingdom

Programme - Thursday 18th July

Morning Session

18 July - 19 July 2013

FROM MOLECULES TO NEURONAL DISEASE Bristol 2013

08:30	<b>Registration: Merchant Foyer 2nd Floor</b>		
	<i>Location: Merchant 1, 2nd Floor</i>		
09:00	Opening Address	<b>Kei Cho</b> , University of Bristol	
09:10	Congratulate Address & British Neuroscience History	<b>Tim Bliss</b> , NIMR	
09:20	<b>Plenary Lecture 1: Two memory systems in the temporal lobes</b>	<b>John O'Keefe</b> UCL	Chair: <i>Tim Bliss</i>
10:10	<i>Refreshments: Tea, Coffee, Sweet &amp; Savory snacks (Merchant Foyer 2nd Floor)</i>		
	<i>Session - 1 (Chair: Tim Bliss): Merchant 1, 2nd Floor</i>		
10:30	Synaptic mechanisms in the hippocampus relevant to neurodegeneration	<b>Graham Collingridge</b> , University of Bristol	
10:50	LTD signals and microtubule associated protein tau: Physiological and pathological synaptic plasticity	<b>Kei Cho</b> , University of Bristol	
11:10	Evolution of cerebral cortical development	<b>Zoltan Molnar</b> , University of Oxford	
11:30	Activity-dependent modulation of the interaction between CaMKII $\alpha$ and Abi1 and its involvement in spine maturation	<b>Dong Eun Park</b> , Seoul Nat. University	
11:50	Synaptic scaffolding proteins, NMDA receptor function, and ASDs	<b>Eunjoon Kim</b> , BIS-KAIST	
12:10	<i>Long Lunch including sight-seeing open top bus tour of Bristol: Pickup at 13:15, return at 14:45</i>		Walter's, Ground Floor

# The 6th UK-KOREA Neuroscience Symposium

Royal Marriott Hotel,  
Bristol,  
United Kingdom

Programme - Thursday 18th July

Afternoon Session

18 July - 19 July 2013

<b>Session - 2 (Chair: Graham Collingridge):</b> Merchant 1, 2nd Floor		<b>Session - 3 (Chair: Elek Molnar):</b> Merchant 5, 2nd Floor	
15:00	Functional diversity in the midbrain dopamine system	<b>Mark Ungless</b> Imperial College	Peripheral pain pathways <b>John Wood</b> UCL
15:20	Molecular mechanisms for polarized distribution of NCKX2 in rat hippocampal neurons	<b>Suk-Ho Lee</b> Seoul Nat. Univ.	Function of ERM proteins in migration of neuroblasts following traumatic brain injury <b>Woong Sun</b> Korea University
15:40	Circuit alterations and compensations in the <i>Fmr1-KO</i> mouse model of Fragile X syndrome	<b>John Issac</b> Eli Lilly	NeuroD, a proneural bHLH transcription factor, relays metabolic signals to nuclei <b>Hae Young Suh</b> Ajou University
16:00	Ca <sup>2+</sup> binding proteins and sensory regulation in <i>Caenorhabditis elegans</i>	<b>Sun-Kyung Lee</b> Hanyang University	The birth and death of the synapse: a role for Wnt signalling. <b>Patricia Salinas</b> UCL
16:20	<i>Refreshments: Tea, Coffee, Sweet &amp; Savory snacks</i> (Merchant Foyer, 2nd Floor)		
16:40	<b>Plenary Lecture 2</b> Imaging Pain and Relief in the Human Brain	<b>Irene Tracey</b> University of Oxford  <i>Chair: John Wood</i>	<i>Merchant 1, 2nd Floor</i>
17:30	<i>End of Day 1 Scientific Programme</i>		
18:30	<i>Delegate Dinner - Bordeaux Quay - Invited guests ONLY</i>		

FROM MOLECULES TO NEURONAL DISEASE Bristol 2013

# The 6th UK-KOREA Neuroscience Symposium

Royal Marriott Hotel,  
Bristol,  
United Kingdom

Programme - Friday 19th July

Morning Session

18 July - 19 July 2013

FROM MOLECULES TO NEURONAL DISEASE Bristol 2013

09:00	<b>Plenary Lecture 3</b> <i>Thalamocortical circuits in control of consciousness and cognition</i>	<b>Hee-Sup Shin</b> IBS, Daejeon  <i>Chair: John Wood</i>	Merchant 1, 2nd Floor
09:50	<i>Refreshments: Tea, Coffee, Sweet &amp; Savory snacks (Merchant Foyer)</i>		
	<b>Session - 4 (Chair: Michael Owen):</b> Merchant 1, 2nd Floor		
10:20	Cognition in preclinical models of dementia	<b>Lisa Saksida,</b> University of Cambridge	
10:40	Early functional impairments caused by Ca <sup>2+</sup> dysregulation in dentate granule cells of Tg2576 mice	<b>Wonkyung Ho,</b> Seoul Nat. Univ.	
11:00	NGF and BDNF: Their roles in Alzheimer's disease and as therapeutic targets	<b>Shelley Allen,</b> University of Bristol	
11:20	A role for microRNA-188 in synaptic function: Implications for Alzheimer's disease	<b>Hye-Sun Kim,</b> Seoul Nat. Univ.	
11:40	Synaptic receptor interplay in A $\beta$ -driven pathophysiology in the perirhinal cortex	<b>Daniel Whitcomb,</b> University of Bristol	
12:00	The effects of repeated seizures on ionotropic glutamate receptors	<b>Elek Molnar,</b> University of Bristol	
12:20	<i>Buffet lunch - Bristol Royal Marriott (Walter's, Ground Floor) - Registered delegates ONLY</i>		

# The 6th UK-KOREA Neuroscience Symposium

Royal Marriott Hotel,  
Bristol,  
United Kingdom

18 July - 19 July 2013

## Programme - Friday 19th July

### Afternoon Session

<i>Session - 5 (Chair: Patricia Salinas):</i> Merchant 1, 2nd Floor			<i>Session - 6 (Chair: John O'Keefe):</i> Merchant 5, 2nd Floor		
14:30	Regulation of homeostatic and experience-dependent synaptic plasticity by MSK1	<b>Bruno Frenguelli</b> University of Warwick	The amplitude modulation of the HPA code	<b>Stafford Lightman</b> University of Bristol	
14:50	The role of glutamate autoreceptors in plasticity	<b>Nigel Emptage</b> University of Oxford	Role of dopamine D2 receptors in plasticity of stress-induced addictive behaviours	<b>Ja Hyun Baik</b> Korea University	
15:10	Spartin Regulates Synaptic Growth and Neuronal Survival by Inhibiting BMP-Mediated Microtubule Stabilization	<b>Seungbok Lee</b> Seoul Nat. Univ.	Acute Stress and Synaptic Plasticity (UK-Korea joint presentation): <b>Jihoon Jo</b> (Chonnam Nat. Univ.) & <b>Garry Whitehead</b> , (University of Bristol)		
15:30	<i>Refreshments: Tea, Coffee, Sweet &amp; Savory snacks (Merchant Foyer, 2nd Floor)</i>				
15:50	Genetics and the nature of schizophrenia	<b>Michael Owen</b> University of Cardiff	Is hippocampal LTP really the basis of long-term spatial memory?	<b>David Bannerman</b> University of Oxford	
16:10	A positive feedback loop between Sox2 and Sox6 inhibits neuronal differentiation in the developing central nervous system	<b>Jae Sang Kim</b> Ewha Womans University	A novel sleep maintenance pathway composed of myoinhibitory peptide and sex peptide receptor in Drosophila	<b>Joon Ho Choe</b> KAIST	
16:30	A Novel Function of DISC1 related to ER	<b>Sang-Ki Park</b> Postech	Brain circuits involved in selection of avoidance response under threat	<b>June Seek Choi</b> Korea University	
16:50	CCNY inhibits LTP by blocking AMPA receptor exocytosis	<b>Mikyoung Park</b> KIST			
17:10	<i>Closing Remarks: John Wood (UCL), Kyungjin Kim (Seoul Nat. Univ.) and Eunjoon Kim (IBS-KAIST)</i>				
18:30	<i>Symposium Dinner (Palm Court Marriott) - Congratulate Address (Dr Byeong-Jun Bae, Director General, Korea MOHW; Dr Mark Palmer, Director of International Strategy, UK MRC)</i>				