## **Program**

## **TUESDAY, OCTOBER 3, 2017**

15:00–17:00	Registration			
17:10–17:15	Opening Remarks: Kenji DOYA			
17:15–18:05	Plenary Lecture 1 Chairs: Kenji DOYA Hiromu TANIMOTO			
	lection in a Randolf H. I	relates of learning, memory processing, expectation and stimulus sent in insect brain		
18:05–18:55	Chairs: Ken			
	Wolfram SC (Departmer	best reward: neuronal mechanisms for utility maximisation28 CHULTZ It of Physiology, Development & Neuroscience, of Cambridge, UK)		
18:55–20:30	Welcome Reception			
WEDNES	SDAY, OC	CTOBER 4, 2017		
9:00–12:00	Session A Neural Circuits of Decision Making Chairs: Hiromu TANIMOTO Masanori MATSUZAKI			
	9:00-9:30	[A-1] Unsupervised studies of male-female interactions during fruit fly courtship		
	9:30-10:00	[A-2] Segmentation of dopamine signalling in the fly brain32 Hiromu TANIMOTO (Graduate School of Life Sciences, Tohoku University, Japan)		

	In-vivo imaging of telencephalic neural activities in adult zebrafish in the closed-loop virtual reality environment  Hitoshi OKAMOTO (Lab. for Developmental Gene Regulation, RIKEN Brain Science Institute, Japan)		
	10:30-11:00 Coffee Break		
	11:00–11:30 [A-4] Thalamocortical activity during learning and execution of voluntary movements		
	11:30–12:00 [A-5]  Weird neurons for high cognitive functions  Stefano FUSI (Neuroscience, Columbia University, USA)		
12:00–12:15	Flash Talk (Poster Numbers: 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29)		
12:15-14:30	Lunch		
14:30–17:30	Session B Molecular Control of Decision Making Chairs: Kenji DOYA Anatol C. KREITZER		
	14:30–15:00 [B-1]  Function of Basal Ganglia Circuitry in Motivation and Decision Making ————————————————————————————————————		
	15:00–15:30 [B-2]  Dopamine actions on dendritic spines in the nucleus accumbens for reward-related learning		
	15:30–16:00 [B-3]  Dorsal Raphe Serotonin Neurons Encode Beneficialness: a hypothesis ———————————————————————————————————		
	16:00-16:30 Coffee Break		

	16:30–17:00	Serotonin and the regulation of patience 46 Kenji DOYA (Neural Computation Unit, Okinawa Institute of Science and Technology Graduate University, Japan)	
	17:00–17:30	Altered decision-making as endophenotypes to bridging the gap between phenomenology and neurobiology	
17:30–17:46		x umbers: 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61)	
18:00-19:30	Dinner		
19:30–21:30	Poster Session [I]: Odd Numbers		
THURSD	AY, OCT	OBER 5, 2017	
9:00-12:00	Session C Internal Models and Prediction Chairs: Masamichi SAKAGAMI Nathaniel D. DAW		
	9:00-9:30	[C-1] Dissociable functions of reward inference in the lateral prefrontal cortex and the striatum	
	9:30-10:00	[C-2] Rewards and Cognitive Control in the human prefrontal cortex ····52 Etienne KOECHLIN (Institute National de la Sante et de la Recherche Medicale, Ecole Normale Superieure, France)	
	10:00-10:30	Neural computations and models underlying social decision-making  Hiroyuki NAKAHARA (RIKEN Brain Science Institute, Japan)	

10:30-11:00 Coffee Break

	11:00–11:30 [C-4]  Causal neuroscience: brain dynamics causes consciousness ······56  Mitsuo KAWATO  (Advanced Telecommunications Research Institute International, Brain Information Communication Research Laboratory Group, Japan)		
	11:30–12:00 [C-5]  Rational planning by prioritized experience replay  Nathaniel D. DAW (Princeton Neuroscience Institute, Princeton University, USA)		
12:00–12:15	Flash Talk (Poster Numbers: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30)		
12:15–14:30	Lunch		
14:30–17:30	Session D Body, Action and Self Chairs: Shinsuke SHIMOJO H. Henrik EHRSSON		
	14:30–15:00 [D-1]  Formation of multisensory "self" and the egocentric perspective of perception-implications from inverted vision and mirror-reversal of cutaneous recognition/motor reproduction  Shinsuke SHIMOJO (California Institute of Technology, USA)		
	15:00–15:30 [D-2]  Multisensory mechanisms of body ownership  H. Henrik EHRSSON  (Department of Neuroscience, Karolinska Institutet, Sweden)		
	15:30–16:00 [D-3]  Mentaling Homeostasis: The Social and Embodied Origins of Interoceptive Inference 66  Aikaterini FOTOPOULOU  (University College London, UK)		
	16:00-16:30 Coffee Break		
	16:30–17:00 [D-4]  Brain mechanisms underlying self-other action attribution68  Hiroshi IMAMIZU  (Department of Psychology, The University of Tokyo, Japan/ Cognitive Mechanisms Laboratories, Advanced Telecommunications Research International, Japan)		

	17:00-17:30	Neural mechanisms of consciousness and motor awareness ······70  Angela SIRIGU (Institute of Cognitive Science CNRS, France)		
17:30–17:45	Flash Talk (Poster Numbers: 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60)			
18:00–19:30	Dinner			
19:30–21:30	Poster Session [II]: Even Numbers			
FRIDAY,	ОСТОВЕ	R 6, 2017		
9:00–12:00	Self and S Chairs: Mak	Social Behavior iko YAMADA aki ISODA		
	9:00-9:30	[E-1] Probing the social mind with an electrode 72  Masaki ISODA (Department of System Neuroscience, National Institute for Physiological Sciences, National Institutes of Natural Sciences, Japan)		
	9:30-10:00	[E-2] Body awareness and social cognitive development from the fetal period		
	10:00-10:30	Coffee Break		
	10:30–11:00	[E-3] Social cognition, the amygdala, and autism Ralph ADOLPHS (California Institute of Technology, USA)		
	11:00-11:30	The dopamine system in subjective reality of the self and the environment		
	11:30-12:00	General discussion		

12:00-12:10 Announcement of Grant Recipients

12:10–12:15 Closing Remarks: Randolf H. MENZEL

12:15-13:00 Lunch