

# International Symposium: The Role of Pain in Bodily Defense and Autonomy

20-22JAN,2020

OSAKA UNIVERSITY: CENTER FOR INFORMATION AND NEURAL NETWORKS

## Program

Monday 20th		
13:50- Opening remark		
Session1		
Chairperson	Ben Seymour	
14.00 - 14.45 Talk 1	Stella Koutsikou (Kent)	Midbrain periaqueductal grey control of survival behaviours
14.45 - 15.30 Talk 2	Gareth Hathway (Nottingham)	Use of multi-electrode arrays to understand complex neuronal behaviour in the spinal dorsal horn and how this relates to nociception
15:30 -	Coffee Break	
16.00 - 16.45 Talk 3	Victoria Chapman (Nottingham)	Mechanisms of osteoarthritis pain, role of anxiety and identification of novel targets for analgesics
16.45 - 17.30 Talk 4	Josh Johansen (RIKEN CBS)	Teaching the amygdala to fear
18.00 - 20.00	<b>Reception party (CiNet Foyer)</b> Student: Free Others: 1,000Yen	

Tuesday 21st		
Session2		
Chairperson	Takufumi Yanagisawa	
09.30 - 10.15 Talk 5	Wani (Choong-Wan) Woo (Sungkyunkwan)	Developing fMRI-based biomarkers of pain
10.15 - 11.00 Talk 6	Francesca Fardo (Aarhus)	Computational modelling and psychophysics of perceptual illusions in the thermo-nociceptive system
11:00 -	Coffee Break	
11.30 - 12.15 Talk 7	Minoru Asada (Osaka University)	Artificial Pain for robots to be social agents
12.15 -	Lunch Break	
Session3		
Chairperson	JeeHang Lee	
13.15 - 14.00 Talk 8	Sang Wan Lee (KAIST)	Theory-driven experimental design for exploring complexity of human action control
14.00 - 14.45 Talk 9	Tsuyoshi Ikegami (Columbia, CiNet)	Prediction-error induced motor contagion
14.45 -	Coffee Break	
15.15 - 16.00 Talk 10	Tatsuya Umeda (NCNP)	Forward prediction of the movement in the primary somatosensory cortex of monkeys
16.00 - 16.45 Talk 11	Nobuhiro Hagura (CiNet)	Perceptual decision in motor control

Wed 22nd		
Session4		
Chairperson	Nobu Hagura	
09.30 - 10.15 Talk 12	Vicky Root (Oxford, UCL)	Neural mechanisms behind phantom limb pain
10.15 - 11.00 Talk 13	Takufumi Yanagisawa (Osaka University)	Neurofeedback control of phantom limb pain
11.15 -	Coffee Break	
11.30 - 12.15 Talk 14	Masaya Hirashima (CiNet)	Virtual reality system to alter movement pattern
12.15 -	Lunch Break	
Session5		
Chairperson	Christian Sprenger	
13.15 - 14.00 Talk 15	Abby Tabor (Bath)	Active Inference and the tangled skein of pain
14.00 - 14.45 Talk 16	Ben Seymour (Cambridge, CiNet)	Computational models of the pain system
14.45 -	Coffee Break	
15.15 - 16.00 Talk 17	Sven Bestmann (UCL)	Towards high-precision neurophysiology of (natural) human movement
16.00 - 16.45 Talk 18	Markus Ploner (Munich)	How do nociception, pain perception and pain behaviour relate to each other? - Insights from behavioural and electrophysiological studies in humans
16:45- Closing remarks		