

# JSPS-Royal Society Senior UK-Japan Symposium

14-15 June 2018

Regenerative medicine session Programme	
Day 1 - Thursday 14 June 2018	
09:00	Registration
09:30	Welcome by hosts - Professor Richard Catlow and Professor Yasuhiro Iye
09:45	Professor Noriko Osumi Paternal-aging induced epigenetic changes during spermatogenesis: a neuropathological risk for neurodevelopmental disorders
10:45	Professor Stuart Forbes Mechanisms of regeneration of the damaged liver
11:45	Coffee break
12:15	Professor Katsutoshi Hayashi Reconstitution of eggs from mouse pluripotent stem cells: as a model and resource for female germ line
13:15	Lunch
14:45	Professor Peter Rugg-Gunn Establishing the epigenome during human development: New insights of chromatin states and regulatory networks in pluripotent stem cells
15:45	Professor Hideyuki Okano Modelling of human neurological/psychiatric disorders using iPSCs and transgenic non-human primates
16:45	Coffee break
17:15	Sir Ian Wilmut Priorities in two particular areas of regenerative medicine
18:15	Professor Nobuo Ueno Overview of JSPS funding opportunities
18:30	Poster session and drinks reception
19:30	Dinner
Day 2 - Friday 15 June 2018	
09:45	Professor Masaki Ieda Cardiac reprogramming toward heart regeneration
10:45	Professor Robin Ali Retinal repair through photoreceptor transplantation
11:45	Coffee break
12:00	Professor Fiona Watt Characterising cell state transitions in mammalian epidermis
13:00	Lunch
14:00	Associate Professor Ryuji Yokokawa Micro/nano fabrications for biophysical studies of motor proteins and organ-on-a-chip applications
15:00	Dr Luigi Aloia Liver organoids as a model of adult tissue regeneration and disease
16:00	Coffee break
16:15	Session summation and way forward
16:30	Whole of symposium summation and close
16:45	Meeting concludes

Materials for energy session Programme	
Day 1 - Thursday 14 June 2018	
09:00	Registration
09:30	Welcome by hosts - Professor Richard Catlow and Professor Yasuhiro Iye
09:45	Professor Junichi Takeya Organic semiconductor circuits
10:45	Professor John Irvine Electrode evolution in solid oxide cells
11:45	Coffee break
12:15	Professor Hiroshi Kageyama New opportunities for materials chemistry from multiple anions
13:15	Lunch
14:45	Dr Sohini Kar-Narayan Polymer-based nanomaterials for energy harvesting
15:45	Professor Maki Kawai Probing molecular states with atomic resolution
16:45	Coffee break
17:15	Professor Tony Cheetham Hybrid organic-inorganic perovskite halides for energy applications
18:15	Professor Nobuo Ueno Overview of JSPS funding opportunities
18:30	Poster session and drinks reception
19:30	Dinner
Day 2 - Friday 15 June 2018	
09:45	Professor Susumu Kitagawa Porous crystalline materials: present and future
10:45	Professor Saiful Islam Atomic-scale insights into energy materials (batteries included)
11:45	Coffee break
12:00	Professor Hiroshi Nishihara Interfacial coordination programming of functional low dimensional materials
13:00	Lunch
14:00	Professor Richard Catlow Modelling and synchrotron radiation studies of structure and reactivity in catalytic and energy materials
15:00	Professor Kyoko Ishizaka Materials science with lasers and photoelectrons
16:00	Coffee break
16:15	Session summation and way forward
16:30	Whole of symposium summation and close
16:45	Meeting concludes