EPFL SV - Hong Kong University of Science & Technology

1st Joint Symposium

March 14-15, 2014 / EPFL / SV Building

“Neuroscience meets cell and molecular biology”

2 days / 4 sessions / 18 speakers

Chaired by Professors Carmen Sandi, Daniel Constam, Bart Deplancke and Ralf Schneggenburger

Registration is free but mandatory on: bmi.epfl.ch/jointsymposium2014
DAY 1 / FRIDAY MARCH 14

SESSION 1

TRANSCRIPTION
Chaired by Bart Deplancke

9:00-9:30
Welcome / Gisou van der Goot, Dean of School of Life Sciences

9:30-9:55
Toyotaka Ishibashi / Division of Life Science, HKUST
“Transcription elongation dynamics of RNA polymerase II one molecule at a time”

9:55-10:20
David Suter / Institute of Bioengineering, SV-EPFL
“Transcription at the single cell level”

SESSION 2

STEM CELL BIOLOGY / TISSUE MORPHOGENESIS
Chaired by Daniel Constam

10:20-10:45
Coffee break

10:45-11:10
Zhenguo Wu / Division of Life Science, HKUST
“The role of Stat3 in muscle stem cells”

11:10-11:35
Tom Hiu Tung Cheung / Division of Life Science, HKUST
“Molecular regulation of stem cell quiescence”

11:35-12:00
Daniel Constam / Swiss Institute for Experimental Cancer Research, SV-EPFL
“Imaging and function of proprotein convertases in preimplantation development”

12:00-12:25
Matthias Lutolf / Institute of Bioengineering, SV-EPFL
“A low mitochondrial membrane potential marks self-renewing hematopoietic stem cells”

12:25-12:50
Yan Yan / Division of Life Science, HKUST
“Regulation of mechanical signals during tissue morphogenesis”

12:50-14:00
Lunch

SESSION 3

PROTEIN SORTING / TRAFFICKING / CELL DIVISION
Chaired by Ralf Schneggenburger

14:00-14:25
David K. Banfield / Division of Life Science, HKUST
“Mechanisms of protein retention and sorting in the Golgi”

14:25-14:50
Jun Xia / Division of Life Science, HKUST
“Role of PICK1-ICA69 BAR domain complexes in protein trafficking: Mechanism and Disease”

14:50-15:15
Robert Z. Qi / Division of Life Science, HKUST
“Microtubule organization and regulation: The ends are the beginning”

15:15-15:40
Pierre Gönczy / Swiss Institute for Experimental Cancer Research, SV-EPFL
“Mechanisms of centriole assembly”

DAY 2 / SATURDAY MARCH 15

SESSION 4

BRAIN DISORDERS – FROM MECHANISMS TO TREATMENT
Chaired by Carmen Sandi

9:00-9:30
Nancy Yuk-Yu IP / Division of Life Science, HKUST
“From understanding neural plasticity to drug discovery for neurodegenerative diseases”

Patrick Fraering / Brain Mind Institute, SV-EPFL
“Notch-sparing modulation of Gamma-secretase for the safe treatment of Alzheimer’s disease”

Bernard Schneider / Brain Mind Institute, SV-EPFL
“Gene-based therapeutic approaches for neurodegenerative diseases”

10:30-11:00
Karl Herrup / Division of Life Science, HKUST
“Cell cycle control in the adult neuron – and the penalty of failure”

Johannes Gräff / Brain Mind Institute, SV-EPFL
“Epigenetic priming of memory reconsolidation to attenuate remote fear memories”

Ralf Schneggenburger / Brain Mind Institute, SV-EPFL
“Role of BMP signaling in synapse growth and synapse plasticity in the CNS”

11:30-12:00
Lunch and individual discussions

Information and registration on:
bmi.epfl.ch/jointsymposium2014

Contact:
brain_mind@epfl.ch