

Thursday, February 8

Day 1: Patterning of the Nervous System

9:30 am – 9:40 am Opening Remarks

Session 1

9:40 am – 10:20 am **S1-1 Signal Transduction in Neuronal Polarization and Axon Guidance: Key Functions of Cyclic Nucleotides and Calcium Ions**

Mu-ming Poo University of California at Berkeley, USA / Chinese Academy of Sciences, China

10:20 am – 11:00 am **S1-2 The Evolution of Chordate Neural Complexity**

Sebastian Shimeld University of Oxford, UK

Tea

11:20 am – 12:00 pm **S1-3 Graded Hedgehog Signaling and the Specification of Neuronal Identity**

James Briscoe National Institute for Medical Research, UK

12:00 pm – 12:40 pm **S1-4 Specification and Patterning of Zebrafish Interneurons**

Kate E. Lewis University of Cambridge, UK

12:40 pm – 2:00 pm *Lunch*

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Session 2

2:00 pm – 2:40 pm **S2-1 Axis Formation in the Fish Inner Ear: Development and Evolution**
Tanya T. Whitfield University of Sheffield, UK

2:40 pm – 3:20 pm **S2-2 Functional Analysis of the Zebrafish Nodal-related Protein Cyclops Reveals New Roles for the Pro-domain**
Karuna Sampath Temasek Life Sciences Laboratory, National University of Singapore, Singapore

Tea

3:50 pm – 4:00 pm Presentation by UK FCO

4:00 pm – 4:30 pm **S2-3 NMDA Receptor Activation Induces Calpain-Mediated β -Catenin Cleavages for Triggering Gene Expression**
Kentaro Abe RIKEN Center for Developmental Biology, Japan

4:30 pm – 5:10 pm **S2-4 Regulation of Self-Renewal and Differentiation in the *Drosophila* Nervous System**
Andrea H. Brand The Gurdon Institute and Department of Physiology, Development and Neuroscience, University of Cambridge, UK

5:10 pm – 5:50 pm **S2-5 Asymmetric Division in *Drosophila* Neural Stem Cells**
Fumio Matsuzaki RIKEN Center for Developmental Biology, Japan

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Day 1: Patterning of the Nervous System

5:50 pm – 7:20 pm

Poster Session 1

Presenters of **Odd-numbered posters** should be at their panels for discussion from 5:50 pm 6:50 pm.

7:20 pm -

Dinner Reception

Friday, February 9
Day 2: Controlling Neuronal Identity and Axon Trajectories

Session 3

9:00 am – 9:40 am **S3-1 Visual System Development in *Drosophila***
Tetsuya Tabata The University of Tokyo, Japan

9:40 am – 10:20 am **S3-2 Notch Signal Organizes the *Drosophila* Olfactory Circuitry through Diversifying the Sensory Neuronal Lineages**
Chihiro Hama RIKEN Center for Developmental Biology, Japan

10:20 am – 11:00 am **S3-3 Regulation of Photoreceptor Axon Targeting in the Developing Visual System of *Drosophila***
Iris Salecker National Institute for Medical Research, UK

Tea

11:30 am – 12:10 pm **S3-4 Early Connectivity in the Fish Brain: Second Order Projection of the Lateral-Line System**
Alain Ghysen INSERM, France

12:10 pm – 12:50 pm **S3-5 Neuronal Identity Code for the Projection of Olfactory Sensory Neurons in the Mouse**
Hitoshi Sakano The University of Tokyo, Japan

12:50 pm – 2:30 pm *Lunch*

Friday, February 9
Day 2: Controlling Neuronal Identity and Axon Trajectories

Session 4

2:30 pm – 3:10 pm **S4-1 FGFR1 Signaling as a Downstream Effector of the LIM Code for Subtype-Specific Motor Axon Guidance**
Ryuichi Shirasaki Osaka University, Japan

3:10 pm – 3:50 pm **S4-2 The Multiple Factors that Guide Sensory Axons in the *Drosophila* Embryo**
Paul M. Whittington University of Melbourne, Australia

Tea

4:10 pm – 4:20 pm Presentation by APDBN

4:20 pm – 4:50 pm **S4-3 Protrudin Interacts with Rab11-GDP and Induces Neurite Formation by Directional Membrane Trafficking**
Michiko Shirane Kyushu University, Japan

4:50 pm – 5:30 pm **S4-4 Mud is Necessary for Axon Guidance in the *Drosophila* Embryonic CNS**
Guy Justin Tear King's College, London, UK

5:30 pm – 7:00 pm **Poster Session 2**
Presenters of **Even-numbered posters** should be at their panels for discussion from 5:30 pm – 6:30 pm.

Saturday, February 10

Day 3: From Synaptogenesis to Function

Session 5

9:00 am – 9:40 am **S5-1 Silent Synapses Speak up in the Amygdala: “Developmental Plasticity” in a “Bad Neighborhood”**

Sumantra Chattarji National Centre for
Biological Sciences, India

9:40 am – 10:20 am **S5-2 GSK3 β Mediates a Novel Interaction between LTP and LTD in the Hippocampus**

Graham L. Collingridge MRC, University Walk,
UK / University of British Columbia, Canada

10:20 am – 11:00 am **S5-3 Functional Significance of Programmed Cell Death in the Adult Brain**

Woong Sun Korea University, Korea

Tea

11:30 am – 12:10 pm **S5-4 The Role of Local Caspase Activity during Dendrite Pruning in *Drosophila***

Darren W. Williams MRC, King's College
London, UK / University of Washington, USA

12:10 pm – 12:40 pm **S5-5 Plexin-A2 Neutralizes Repulsive Signal of Semaphorin 6A on Target Neuron and Regulates Mossy Fiber Projection in the Hippocampus**

Fumikazu Suto National Institute of Genetics /
CREST, Japan

12:40 pm – 2:30 pm *Lunch*

Saturday, February 10
Day 3: From Synaptogenesis to Function

Session 6

2:30 pm – 3:10 pm **S6-1 Connecting Neuronal Remodeling with the Development of Locomotion**
K. VijayRaghavan National Centre for Biological Sciences, India

3:10 pm – 3:50 pm **S6-2 Specification and Emergence of Function in the Embryonic Nervous System of *Drosophila***
Michael Bate University of Cambridge, UK /
National Centre for Biological Sciences, India

3:50 pm - Closing Remarks