

Nervous System Assembly

March 6 - 9, 2023, OIST conference center



Program and event summary

Day 1	
March 6	
9:30 - 10:00	Registration
10:00 - 10:10	Opening remarks
10:10 - 10:55	Speaker 1: Elizabeth Engle <i>Noncoding genetic variants alter cell identity and cause congenital facial weakness in humans and mice</i>
10:55 - 11:40	Speaker 2: Yukiko Gotoh <i>Chromatin level regulation of neural stem cell fate</i>
11:40 - 12:05	Short talk 1: Noelia Antón-Bolaños <i>Multi-donor "Chimeroids" as models for human inter-individual variability</i>
12:05 - 14:00	Lunch
Afternoon Chair: Artur Kania	
14:00 - 14:45	Speaker 3: Song-Hai Shi <i>Neocortex assembly and operation</i>
14:45 - 15:30	Speaker 4: Tomomi Shimogori <i>Thalamocortical control of cell-type specificity drives a circuit for processing whisker-related information in mouse barrel cortex</i>
15:30 - 15:50	Coffee break
15:50 - 16:35	Speaker 5: Alain Chédotal <i>Development and evolution of visual system connectivity</i>
16:35 - 17:20	Speaker 6: Kin-ichi Nakashima <i>Novel mechanisms involved in the pathogenesis of neurodevelopmental disorder Rett syndrome</i>
17:20 - 17:40	Coffee break
17:40 - 18:05	Short talk 2: Maya Shelly <i>Directed mechanisms for early dendrite development</i>
18:05 - 18:12	Flash talk 1: Mitsuhiro Oishi
18:12 - 18:19	Flash talk 2: Kara Goodkey
18:19 - 18:26	Flash talk 3: James Kiraly
19:00	Dinner

Day 2	
March 7	Morning Chair: Kenny Campbell
9:15 - 10:00	Speaker 7: Alex Kolodkin <i>Development, wiring and function of direction-selective circuits in the mammalian visual system</i>
10:00 - 10:45	Speaker 8: Yosuke Mukoyama <i>Neuro-vascular interactions in development and disease</i>
10:45 - 11:15	Coffee break
11:15 - 11:40	Short talk 3: Laskaro Zagoraiou <i>Peptidergic modulation of motor output</i>
11:40 - 11:47	Flash talk 4: Lennart Gollenbeck
11:47 - 11:54	Flash talk 5: Agnes Ong Lee Chen
12:00 - 14:00	Lunch
	Afternoon Chair: Alex Kolodkin
14:00 - 14:45	Speaker 9: Kenny Campbell <i>Neurogenesis and circuit formation in the basal ganglia: Roles for the homeodomain protein Gsx2</i>
14:45 - 15:30	Speaker 10: Brian Gebelein <i>Defining the regulatory mechanisms underlying basal ganglia gene expression</i>
15:30 - 16:00	Coffee break
16:00 - 16:45	Speaker 11: Michisuke Yuzaki <i>Signaling across Neuronal Adhesions: A Continuing Story of the C1q Family</i>
16:45 - 17:30	Speaker 12: Yutaka Yoshida <i>Formation, function, and degeneration of corticospinal circuits</i>
17:30 - 17:50	Coffee break
17:50 - 18:35	Speaker 13: Paola Arlotta <i>Understanding Development of the Cerebral Cortex: from Embryos to Organoids</i>
19:00	Dinner + Poster Session

Day 3	
March 8	Morning Chair: Tomomi Shimogori
9:15 - 10:00	Speaker 14: Artur Kania (The transcription factor) Phox2a unravels a developmental and functional logic of the anterolateral system
10:00 - 10:45	Speaker 15: Hisashi Umemori <i>The molecular determinants of activity-dependent synapse refinement</i>
10:45 - 11:15	Coffee break
11:15 - 11:40	Short talk 4: Liming Tan <i>Vision-dependent long-range axon projection specificity in developing mouse visual cortex</i>
11:40 - 12:05	Short talk 5: Rishav Mitra <i>Role of Store-operated Calcium entry in regulating transcriptomic maturation of the Drosophila flight circuit</i>
12:05 - 14:00	Lunch
	Afternoon
14:00 - 19:00	Free time
19:00	Dinner + Poster Session

Day 4	
March 9	Morning Chair: Elizabeth Engle
9:15 - 10:00	Speaker 17: Rüdiger Klein <i>Organization and assembly of amygdala circuits regulating appetitive behavior</i>
10:00 - 10:45	Speaker 18: Ichiro Masai <i>Genetic dissection of neural circuit formation in zebrafish retina</i>
10:45 - 11:15	Coffee break
11:15 - 11:40	Short talk 6: James Kiraly <i>Identification of novel mechanisms driving mammalian visual circuit formation and refinement</i>
11:40 - 11:47	Flash talk 6: Takunori Minegishi
11:47 - 11:52	Flash talk 7: Hannah Bruce
12:00 - 14:00	Lunch
	Afternoon Chair: Rüdiger Klein
14:00 - 14:45	Speaker 19: Takeshi Imai <i>Activity-dependent lateral inhibition signals for synaptic competition in developing mitral cells</i>
14:45 - 15:10	Short talk 7: Takuya Kaneko <i>Topography-Independent Sensory-Motor Circuit Development in the Vagus System</i>
15:10 - 15:40	Coffee break
15:40 - 15:47	Flash talk 8: Yuichiro Oka
15:47 - 15:54	Flash talk 9: Ana Beltran Arranz
16:00 - 16:45	Speaker 20: Kazunobu Sawamoto <i>Postnatal neuronal migration in health and disease</i>
16:45 - 16:55	Closing remarks
18:00	Dinner