Program

Sunday, November 27 (Day 1)

15:00-16:00  Registration

16:00-16:10  Opening remarks by Hiroshi Hamada

Session 1: Ciliogenesis and cell cycle
Chair: Tomomi Kiyomitsu

16:10-16:40  S1-1
Primary cilia and cell cycle
Masaki Inagaki (Mie University School of Medicine, Japan)

16:40-17:00  S1-2
Jasplakinolide induces primary cilium formation via cell rounding and YAP inactivation
Tomoaki Nagai (Tohoku University, Japan)

17:00-17:40  S1-3
Length-sensing regulates IFT entry to control ciliary length
Junmin Pan (Tsinghua University, China)

17:40-18:00  Coffee break

Session 2: Ciliopathy
Chair: Hiroshi Hamada

18:00-18:40  S2-1
Outer dynein arm defects in Primary Ciliary Dyskinesia
Heymut Omran (University Hospital Muenster, Germany)

18:40-19:00  S2-2
Diagnosis of Primary Ciliary Dyskinesia by a Targeted Next-Generation Sequencing Panel in Japanese Patients
Kazuhiko Takeuchi (Mie University Graduate School of Medicine, Japan)

19:00-21:00  Banquet
Monday, November 28 (Day 2)

Session 3: Ciliary motility
Chair: Sachiko Tsukita

9:30-10:00 S3-1
The molecular toolbox for building axonemal microtubules
Masahide Kikkawa (The University of Tokyo, Japan)

10:00-10:20 S3-2
Regulation of dynein motor activity through the change of axoneme diameter
Toshiki Yagi (Prefectural University of Hiroshima, Japan)

10:20-11:00 S3-3
Cryo-electron tomography provides a new window into ciliary structure and function
Daniela Nicastro (UT Southwestern Medical Center, USA)

11:00-11:20 Coffee break

Session 4: Basal foot and signaling
Chair: Daiju Kitagawa

11:20-11:50 S4-1
Apical microtubules define the function of epithelial cell sheets consisting of non-ciliated or multi-ciliated cells
Sachiko Tsukita (Osaka University, Japan)

11:50-12:30 S4-2
Ciliary P(4,5)P2 dictates fall of primary cilia and rise of cell cycle
Takanari Inoue (Johns Hopkins University, USA)

12:30-12:50 S4-3
Mapping the spatial and functional interactions of transition zone proteins and nucleoporins during ciliary gating
Daisuke Takao (National Institute of Genetics, Japan)
12:50-15:30  **Lunch and Poster session**
12:50-14:00  Lunch
14:00-14:45  Odd-numbered posters
14:45-15:30  Even-numbered posters

**Session 5: Centrosome and microcephaly**  
Chair: Shinji Hirotsune

15:30-16:10  S5-1  
**TBA**  
Renata Basto (Institut Curie, France)

16:10-16:40  S5-2  
**TBA**  
Fumio Matsuzaki (RIKEN Center for Developmental Biology, Japan)

16:40-17:00  Coffee break

**Session 6: Cetriole and Ciliogenesis**  
Chair: Masahide Kikkawa

17:00-17:30  S6-1  
*A two-step model for centriole duplication*  
Daiju Kitagawa (National Institute of Genetics, Japan)

17:30-17:50  S6-2*  
*Dynamic interaction between cartwheel and triplet microtubules establishes the nine-fold symmetry of the centriole*  
Masafumi Hirono (Hosei University, Japan)

17:50-18:00  *Short break*

18:00-18:20  S6-3
C. elegans GTAP-3 plays a critical role at the late step of centriole assembly by recruiting α-tubulin to centrioles
Nami Haruta (Tohoku University, Japan)

18:20-19:00 S6-4
Identification of a p53 control pathway that monitors mitotic challenges
Karen Oegema (University of California, San Diego, USA)
Wednesday, November 29 (Day 3)

Session 7: Cilia and embryogenesis
Chair: Masaki Inagaki

9:30-10:00 S7-1
Role of cilia and fluid flow in left-right symmetry breaking
Hiroshi Hamada (RIKEN Center for Developmental Biology, Japan)

10:00-10:20 S7-2
Calaxin is essential for ciliary formation in nodal monocilia but not in sperm flagella or epithelial multicilia
Kazuo Inaba (University of Tsukuba, Japan)

10:20-11:20 Poster session
All posters

Session 8: Centrosome and cytoskeleton
Chair: Asako Sugimoto

11:20-11:40 S8-1
ApoER2 controls neuronal migration in the intermediate zone and termination of migration in the developing cerebral cortex
Yuki Hirota (Keio University School of Medicine, Japan)

11:40-12:00 S8-2
Evidence for release of ciliary components into extracellular fluid
Koji Ikegami (Hamamatsu University School of Medicine, Japan)

12:00-12:30 S8-3
Katanin p80 interaction with NuMA and dynein is essential for microtubule dynamics
Shinji Hirotsune (Osaka City University, Japan)

12:30-12:40 Closing remarks by Heymut Omran