

**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)

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17:40-18:00 *Coffee break*

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**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)

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19:00-21:00 *Banquet*

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## 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)
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11:00-11:20 *Coffee break*

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### 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 PI(4,5)P<sub>2</sub> 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)

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12:50-15:30	<b>Lunch and Poster session</b>
12:50-14:00	Lunch
14:00-14:45	Odd-numbered posters
14:45-15:30	Even-numbered posters

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### **Session 5: Centrosome and microcephaly**

Chair: Shinji Hirotsune

15:30-16:10	S5-1 <b>Investigating the contribution of centrosomes to brain development</b> Renata Basto (Institut Curie, France)
16:10-16:40	S5-2 <b>A mouse model of hereditary microcephaly to address a long-standing question regarding the difference in the impact on the brain size between human and mouse</b> Fumio Matsuzaki (RIKEN Center for Developmental Biology, Japan)

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16:40-17:00	Coffee break
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### **Session 6: Centriole and Ciliogenesis**

Chair: Masahide Kikkawa

17:00-17:30	S6-1 <b>A two-step model for centriole duplication</b> Daiju Kitagawa (National Institute of Genetics, Japan)
17:30-17:50	S6-2* <b>Dynamic interaction between cartwheel and triplet microtubules establishes the nine-fold symmetry of the centriole</b> Masafumi Hirono (Hosei University, Japan)

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17:50-18:00    *Short break*

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18:00-18:20    S6-3  
***C. elegans* GTAP-3 plays a critical role at the late step of centriole assembly by recruiting  $\beta$ -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)

**Tuesday, 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)

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10:20-11:20 **Poster session**  
All posters

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**Session 8: Centrosome and cytoskeleton**

Chair: Fumio Matsuzaki

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