Posters

P01 **Retrograde IFT complex component defect causes slow, progressive photoreceptor degeneration due to inefficient opsin transport**
Meriam Boubakri (Osaka University, Japan)

P02 **NPHP3 controls a length of B-tubule of the axoneme of renal cilia**
Lin Chen (Kyoto Prefectural University of Medicine, Japan)

P03 **The loss of the *Aspm* function causes severe microcephaly in the mice with the induced outer subventricular zone progenitor-like cells**
Ikumi Fujita (RIKEN Center for Developmental Biology, Japan)

P04 **Development of super-spatiotemporal resolution microscopy toward understanding of ciliary diffusion barrier**
Takahiro Fujiwara (Kyoto University, Japan)

P05 **Sensation of pericardial fluid flow through the primary cilia during epicardium development**
Hajime Fukui (National Cerebral and Cardiovascular Center Research Institute, Japan)

P06 **Differential roles of KIF17 and heterotrimeric kinesin-II interacting with the IFT-B complex in biogenesis of primary cilia**
Teruki Funabashi (Kyoto University, Japan)

P07 **The role of the kinase NEK7 in G1 progression, procentriole formation and ciliogenesis**
Akshari Gupta (National Institute of Genetics, Japan)

P08 ***C. elegans* GTAP-3 plays a critical role at the late step of centriole assembly by recruiting γ-tubulin to centrioles**
Nami Haruta (Tohoku University, Japan)

P09 **Dynamic interaction between cartwheel and triplet microtubules establishes the nine-fold symmetry of the centriole**

Masafumi Hirono (Hosei University, Japan)

P10 **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)

P11 **Plk4 regulates centriolar satellite integrity and promotes ciliogenesis through PCM1 phosphorylation**
Akiko Hori (Nishi) (Nara Institute of Science and Technology, Japan)

P12 **Node-specific dynein arm formation in the mouse embryo**
Takahiro Ide (RIKEN Center for Developmental Biology, Japan)

P13 **Calaxin is essential for ciliary formation in nodal monocilia but not in sperm flagella or epithelial multicilia**
Kazuo Inaba (University of Tsukuba, Japan)

P14 **Opposite mechanisms to control cilia length depending on the interacting proteins of Rab8**
Tomohiko Iwano (University of Yamanashi, Japan)

P15 **Overall architecture of the intraflagellar transport (IFT)-B complex revealed by a visible immunoprecipitation assay**
Yohei Katoh (Kyoto University, Japan)

P16 **Mechanism of dynein-mediated bipolar spindle maintenance in human cells**
Tomomi Kiyomitsu (Nagoya University, Japan)

P17 **HDAC2 promotes loss of primary cilia in pancreatic ductal adenocarcinoma**
Tetsuo Kobayashi (Nara Institute of Science and Technology, Japan)

P18 **Selenium-supplementation at varying stages of periconception period: influence on murine blastocyst morphology and implantation status**
Mark Anthony Catedral Mamon (De La Salle University, Philippines)

P19 **PLK1-dependent phosphorylation of WDR62, a causative gene product for primary microcephaly, maintains mitotic spindle orientation**
Tatsuo Miyamoto (Hiroshima University, Japan)

P20 **Characterization of calcium dynamics that initiate left-right asymmetry in the node of mouse embryo**
Katsutoshi Mizuno (RIKEN Center for Developmental Biology, Japan)

P21 **Hypoxemia Induces Adult Mammalian Heart Regeneration**
Yuji Nakada (The University of Texas Southwestern Medical Center, USA)

P22 **Modulation of flagellar motility during phototactic turning in *Chlamydomonas***
Masako Nakajima (Tokyo Institute of Technology, Japan)

P23 **A comparative genomic analysis suggests co-evolution of sperm-specific three proteins for the flagellar beat regulation in eukaryotes: CatSper, sNHE and sAC**
Takuya Nishigaki (Institute of Biotechnology, National Autonomous University of Mexico, Mexico)

P24 **Arl13b-dependant localization of INPP5E within cilia maintains ciliary retrograde protein trafficking**
Shohei Nozaki (Kyoto University, Japan)

P25 **A computational study of nodal flow: stress field and membrane tension of nodal cilia**
Toshihiro Omori (Tohoku University, Japan)

P26 **Shortening of primary cilia length by melanin-concentrating hormone receptor 1-Gi/o mediated signaling**
Yumiko Saito (Hiroshima University, Japan)

P27 **Properties of the purified radial spoke of *Chlamydomonas* flagella**
Hitoshi Sakakibara (National Institute of Information and

Communications Technology, Japan)

P28 **Emergence of multiciliated ependymal cells in the ventricular zone of the aged fish brain**
Kazunobu Sawamoto (Nagoya City University, Japan)

P29 **The role of calaxin in the propagation of asymmetric waves in sperm flagella**
Kogiku Shiba (University of Tsukuba, Japan)

P30 **Phosphorylation-dependent interaction of Akt and Inversin at basal body of primary cilia**
Futoshi Suizu (Hokkaido University, Japan)

P31 **A molecular mechanism of neuronal primary cilia formation induced by neurotrophins**
Michinori Toriyama (Nara Institute of Science and Technology, Japan)

P32 **Regulation of dynein motor activity through the change of axoneme diameter**
Toshiki Yagi (Prefectural University of Hiroshima, Japan)

P33 **Identification and characterization of axonemal MIPs (microtubule inner proteins)**
Haru-aki Yanagisawa (The University of Tokyo, Japan)

P34 **Determinate and crucial functions of the cartwheel structure in the initiation of human procentriole formation**
Satoko Yoshiba (National Institute of Genetics, Japan)