

# Oral Session

Oral	Submitte	Title
SI-001	Stan Burgess	STRUCTURE AND MECHANISM OF THE DYNEIN MOTOR STUDIED BY ELECTRON MICROSCOPY
SI-002	Keiko Hirose	STRUCTURAL STUDIES OF DYNEIN BOUND TO MICROTUBULES
SI-003	Bara Malkova	SUBSTRUCTURE OF THE UNDOCKED DYNEIN LINKER REVEALED BY TRUNCATION OF THE C-TERMINAL SEQUENCE
SI-004	Masahide Kikkawa	CRYO-EM STUDIES OF HEAD AND STALK OF DYNEINS
SI-005	Andrew Carter	STRUCTURE AND FUNCTIONAL ROLE OF DYNEIN'S MICROTUBULE-BINDING DOMAIN
SI-006	Michael Koonce	A COUNTERPOISED SWITCH WITHIN THE DYNEIN STALK DRIVES MICROTUBULE-BINDING AFFINITY
SI-007	Yusuke Kato	STRUCTURE OF THE MICROTUBULE-BINDING DOMAIN OF FLAGELLAR DYNEIN
SI-008	Takahide Kon	DISSECTION OF INTRAMOLECULAR COMMUNICATIONS BETWEEN THE CATALYTIC HEAD AND MICROTUBULE-BINDING DOMAINS IN THE DYNEIN HEAVY CHAIN
SI-009	Tomohiro Shima	WALKING MECHANISM OF CYTOPLASMIC DYNEIN
SI-010	Arne Gennerich	TOWARD A UNIFIED WALKING MODEL FOR CYTOPLASMIC DYNEIN
SI-011	Hideo Higuchi	WORKING AND FLUCTUATION DISTANCES CONTRIBUTING TO THE STEP SIZE OF SINGLE MOLECULES OF CYTOPLASMIC DYNEIN
SI-001	Samara Reck-Peterson	MECHANISM AND REGULATION OF CYTOPLASMIC DYNEIN MOTOR ACTIVITY
SI-002	Yoko Yano Toyoshima	REGURATIOIN AND CORDINATION OF CYTOPLASMIC DYNEIN REVEALED BY IN VITRO STUDY
SI-003	Shinji Hirotsune	LIS1 AND NDEL1 COORDINATE THE PLUS-END DIRECTED TRANSPORT OF CYTOPLASMIC DYNEIN
SI-004	Richard Vallee	LIS1 AND NUDE CONVERT DYNEIN TO A NOVEL PERSISTENT-FORCE STATE FOR NEURAL STEM CELL MIGRATION
SI-005	Erika Holzbaur	MOTOR COORDINATION DURING BIDIRECTIONAL VESICLE TRANSPORT ALONG THE AXON
SI-006	Roop Mallik	WHY DYNEIN IS DIFFERENT FROM KINESIN: DIRECT OPTICAL TRAP MEASUREMENT OF ENSEMBLE MOTOR FUNCTION ON ENDOSOMES
SI-007	Trina Schroer	NEW INSIGHTS INTO DYNACTIN STRUCTURE AND FUNCTION
SI-008	Christian Eckert	STRUCTURAL CHARACTERIZATION OF THE CYTOPLASMIC DYNEIN HEAVY CHAIN FROM HUMAN AND DICTYOSTELIUM DISCOIDEUM
SI-009	Walid Houry	THE HSP110 MOLECULAR CHAPERONE MODULATES DYNEIN ACTIVITY
SI-001	Daniela Nicastro	CRYO ELECTRON TOMOGRAPHY OF AXONEMAL DYNEIN
SI-002	Takashi Ishikawa	ELECTRON CRYO-TOMOGRAPHY OF INNER AND OUTER DYNEIN ARMS IN SITU
SI-003	Toshiki Yagi	IDENTIFICATION OF ALL DYNEIN HEAVY CHAIN GENE PRODUCTS IN CHLAMYDOMONAS
SI-004	Mingyue Jin	STRUCTURE OF FLAGELLAR OUTER DYNEIN ARM AND THE STRUCTURAL MECHANISM IN FORMATION OF THE OUTER DYNEIN ARM-MICROTUBULE COMPLEXES
SI-005	Shinji Kamimura	X-RAY FIBER DIFFRACTION ANALYSIS OF AXONEME AND MICROTUBULE STURCUTURE USING A NOVEL SHEAR-FLOW FIBER-ALIGNING TECHNIQUE
SI-006	Chikako Shingyoji	MECHANISM OF FLAGELLAR OSCILLATION: CONDITIONS FOR THE INDUCTION OF CONTINUOUS BEATING BY EXTERNALLY APPLIED BENDING IN DEMEMBRANATED MOTIIONLESS SEA URCHIN SPERM FLAGELLA AT LOW ATP
SI-007	Charles Lindemann	NUCLEOTIDE REGULATION OF DYNEIN CONTROLS THE T-FORCE IN THE FLAGELLAR BEAT CYCLE
SI-008	Pietro Lupetti	ELECTRON-TOMOGRAPHIC ANALYSIS OF INTRAFLAGELLAR TRANSPORT COMPLEXES IN SITU
SI-009	Karl-Ferdinand Lehtreck	THE CHLAMYDOMONAS BBSOME IS A CARGO ADAPTOR FOR RETROGRADE IFT
SI-010	David Mitchell	A MULTI-STEP PATHWAY FOR AXONEMAL DYNEIN ASSEMBLY.
SI-011	Hitoshi Sakakibara	STRUCTURE, FUNCTION, AND IN VIVO ARRANGEMENT OF CHLAMYDOMONAS AXONEMAL COMPONENTS, INNER-ARM DYNEIN-C, -F, AND RADIAL SPOKE
SIV-001	Ritsu Kamiya	REGULATION OF AXONEMAL DYNEINS BY TUBULIN POLYGLUTAMYLTATION
SIV-002	Kazuo Inaba	CAMP AND CA2+-DEPENDENT REGULATION OF AXONEMAL DYNEINS AT ACTIVATION OF SPERM MOTILITY
SIV-003	Stephen King	THE g HEAVY CHAIN WITHIN OUTER ARM DYNEIN ACTS AS A KEY REGULATORY NODE FOR CILIARY/FLAGELLAR MOTILITY
SIV-004	Elizabeth Smith	MODULATING CILIARY MOTILITY: A ROLE FOR CALMODULIN INTERACTORS ASSOCIATED WITH THE SPOKES AND CENTRAL APPARATUS
SIV-005	Mary Porter	NEW INSIGHTS INTO THE DYNEIN REGULATORY COMPLEX
SIV-006	Winfield Sale	REGULATION OF DYNEIN-DRIVEN MICROTUBULE SLIDING BY THE AXONEMAL KINASE CK1 AND THE AXONEMAL PHOSPHATASE PP2A