

October 30th (Day1)

Slot	Session				Session Title	Chairperson	Speakers	Topics
		9:00	9:10	0:10	Opening address		Yoko Y Toyoshima	
1	Session I	9:10	9:40	0:30	Molecular Mechanism of Dynein	Hideo Higuchi/ Ahmet Yildiz	Jonathon Howard	Mechanisms of dynein coupling underlying the flagellar beat in <i>Chlamydomonas reinhardtii</i>
2		9:40	10:10	0:30			Ahmet Yildiz	The mammalian dynein/dynactin complex is a strong opponent to kinesin in a tug-of-war competition
3		10:10	10:30	0:20			Yoshimi Kinoshita	Step sizes and rate constants of single-headed dynein measured by optical tweezers
	Coffee Break	10:30	11:00	0:30	Coffee break			
4	Session I	11:00	11:20	0:20	Molecular Mechanism of Dynein	Hideo Higuchi/ Ahmet Yildiz	Takayuki Torisawa	Diffusive Component in Directed Movements of Human Cytoplasmic Dynein-1
5		11:20	11:50	0:30			Arne Gennerich	Molecular Mechanism of Cytoplasmic Dynein Tension Sensing
6		11:50	12:15	0:25			Hiroshi Imai	How does cytoplasmic dynein stepping along microtubules look like?
7		12:15	12:35	0:20			Ken'ya Furuta	Engineering dynein to move along different tracks: to understand the mechanisms generating directional movement
	Lunch	12:35	14:00	1:25	Lunch			
8	Session II	14:00	14:30	0:30	Structure and Regulation of dynein	Richard Vallee/ Anthony Roberts	Helen Foster	The auto-inhibition and activation of human cytoplasmic dynein-1.
9		14:30	15:00	0:30			Andres Leschziner	Lis1 has two opposing modes of regulating cytoplasmic dynein
10		15:00	15:25	0:25			Yoko Toyoshima	How does dynactin regulate dynein motility?
11		15:25	15:55	0:30			Trina Schroer	Dynactin: From Structure to the Clinic
	Coffee Break	15:55	16:20	0:25	Coffee break			
12	Session II	16:20	16:50	0:30	Structure and Regulation of dynein	Richard Vallee/ Anthony Roberts	Richard Vallee	Cytoplasmic Dynein Regulators in Mitosis and Autophagy
13		16:50	17:20	0:30			Anthony Roberts	Switching On and Off the Motor Activity of Intraflagellar Transport Dynein
14		17:20	17:45	0:25			Kazuo Inaba	Light-responsive regulation of ciliary motility by a novel subunit of axonemal dynein with a photoreceptor protein
15		17:45	18:10	0:25			Toshiki Yagi	Identification of nine novel <i>Chlamydomonas</i> mutants missing a single species of five major-type or four minor-type inner-arm dyneins
	Dinner	18:10	19:30	1:20	Dinner			
	Poster Session (Odd number)	19:30	21:00	1:30	Presentation 8:00-8:30			

October 31st (Day2)

Slot	Session				Session Title	Chairperson	Speakers	Topics
16	Keynote Talks (Session III)	9:00	9:30	0:30	Function, Regulation and Dynamics of Microtubules	Yoko Toyoshima	Hideo Mohri	Tubulin – A half century
17	Session III	9:30	10:00	0:30		Yoko Toyoshima/ Marileen Dogterom	Yasushi Okada	Regulation of axonal transport investigated by high- resolution optical imaging technologies.
18		10:00	10:30	0:30		Antonina Roll-Mecak	Regulation of molecular motors by the tubulin code	
	Coffee break	10:30	11:00	0:30	Coffee break			
19	Session III	11:00	11:30	0:30	Function, Regulation and Dynamics of Microtubules	Yoko Toyoshima/ Marileen Dogterom	Etsuko Muto	Key molecular mechanism for the variable-sized steps of dynein
20		11:30	12:00	0:30		Marileen Dogterom	Dynein and NDC80-mediated force generation by shrinking microtubules	
	Lunch	12:00	13:30	1:30	Lunch			
21	Session IV	13:30	14:00	0:30	Intracellular Transport by Cytoplasmic Dynein	Samara Reck- Peterson/ Simon Bullock	Erika Holzbaur	One Motor, Many Functions: Cytoplasmic Dynein In Neurons
22		14:00	14:30	0:30			Shinji Hirotsune	Alpha-synuclein facilitates to form short unconventional microtubules that have a unique function in the axonal transport
23		14:30	15:00	0:30			Simon Bullock	In vitro reconstitution of dynein-based mRNA transport
24		15:00	15:30	0:30			Samara Reck-Peterson	Mechanisms of Cargo Specificity for Cytoplasmic Dynein
	Coffee break	15:30	16:00	0:30	Coffee break			
25	Session V	16:00	16:30	0:30	Assembly of Axonemes	Kazuo Inaba/ Hiroaki Kojima	Stephen King	WDR92 – A Highly Conserved Factor Required for Cytoplasmic Assembly of Axonemal Dynein
26		16:30	17:00	0:30			Winfield Sale	Assembly of ciliary dyneins: IDA3 is an adapter that selectively mediates IFT transport of I1/f dynein in growing cilia.
27	Session VI	17:00	17:15	0:15	Invited from Posters	Kazuo Inaba/ Hiroaki Kojima	(to be confirmed)	
28		17:15	17:30	0:15				
29		17:30	17:45	0:15				
30		17:45	18:00	0:15				
	Dinner	18:00	19:30	1:30	Dinner			
	Poster Session (Even number)	19:30	21:00	1:30	Presentation 8:00-8:30			

November 1st (Day3)

Slot	Session				Session Title	Chairperson	Speakers	Topics
31	Session VII	9:00	9:30	0:30	Structure and Function of Axonemes	Stephen King/ Kazuhiro Oiwa	Toshiyuki Oda	Electrostatic interaction between polyglutamylated tubulin and the nexin-dynein regulatory complex regulates flagellar motility
32		9:30	10:00	0:30			Daniela Nicastro	Cryo-electron microscopy reveals the molecular mechanism of ciliary beating
33		10:00	10:30	0:30			Khanh Huy Bui	The molecular architecture of the microtubule doublet
	Coffee break	10:30	11:00	0:30	Coffee break			
34	Session VII	11:00	11:30	0:30	Structure and Function of Axonemes	Stephen King/ Kazuhiro Oiwa	Takashi Ishikawa	Axonemal dynein structure and localization in cilia revealed by cryo-electron microscopy
35		11:30	12:00	0:30			Masahide Kikkawa	Combination of cryo-EM and genetics for studying eukaryotic cilia
	Lunch	12:00	13:30	1:30	Lunch			
36	Session VIII	13:30	14:00	0:30	Flagellar Functions and Regulations	Winfield Sale/ Toshiki Yagi	Philip Bayly	Models of Axoneme Mechanics and Flagellar Oscillations
37		14:00	14:30	0:30			Chikako Shingyoji	Mechanical activity of dynein and its dynamical regulation underlying oscillatory movement of sperm flagella
38		14:30	14:55	0:25			Azusa Kage	The role of inner dynein arm components in collective swimming of <i>Chlamydomonas reinhardtii</i>
39		14:55	15:15	0:20			Ken'Ichi Wakabayashi	Flagellar movement during phototaxis in <i>Chlamydomonas</i> and <i>Volvox</i>
40		15:15	15:45	0:30			Kazuhiro Oiwa	Helical arrangement of axonemal components is a key for determination and Ca ²⁺ -dependent switching of waveforms of <i>Chlamydomonas</i> flagella
	Closing Remarks	15:45	16:00	0:15	Closing Remarks			
	Conference Dinner	17:00	20:00	3:00	Conference Dinner (at the banquet room, Stera in Hotel Westin Awaji)			