

Plant Signaling & Behavior 2017 (PSB2017 Matsue, Japan) TIME TABLES

V.06

DAY 0 (June 26 th , MON)	
15:00-17:00	Registration (Registration continues throughout the meeting)
17:00-19:00	Reception (welcome drinks)
DAY 1 (June 27 th , TUE)	
NOTE: DAY of POSTER SETTING	
9:00-10:00	Artificial photosynthesis mimicking plants (Sponsored session)
	Tomonori Kawano (<i>ca.</i> 15 min) Opening remark and Natural and Artificial Photosynthesis models for capturing carbondiozide
	Kazuya Uezu (<i>ca.</i> 15 min) Prediction of the reaction scheme for novel artificial photosynthesis system by the chemical engineering approach
	Tomonori Kawano and Kazuya Uezu (<i>ca.</i> 15 min) Working hypothesis and minimal laboratory works for understanding the phenomena observed in the model pilot plant
10:00-10:40	COFEE BREAK
10:40-11:40	Symbiosis and evolution
	Toshinobu Suzaki (<i>ca.</i> 20 min) Structural and molecular basis for the interaction between endosymbiotic green algae and host protozoans
	Tomonori Kawano and Francois Bouteau (<i>ca.</i> 20 min) Green republic: Inter-kingdom photosynthetic symbiosis development
	Schedule for two talks changed (session continues on AM of DAY 3: June 30 th)
11:40-13:00	LUNCH
13:15-14:15	Action of Plant hormones
	Jutaro Fukazawa (<i>ca.</i> 20 min) DELLA-GAF1 Complex regulates Gibberellin homeostasis and signaling in Arabidopsis
	Taku Takahashi (<i>ca.</i> 20 min) Repression of xylem differentiation by thermospermine in Arabidopsis thaliana
	Cancelled
14:15-15:20	COFEE BREAK
15:20-17:00	Redox regulation and ion channels (1)
	Satish C Bhatla (<i>ca.</i> 20 min) Redox and nitric oxide signaling mechanisms under abiotic stress in plants
	Monika Keisham (<i>ca.</i> 20 min) Nitric oxide modulates phospholipase D (PLD) activity accompanying salt stress tolerance in sunflower seedlings
	Izumi C. Mori (<i>ca.</i> 20 min) Cyclic Nucleotide Gated Channel in Barley Root – Unique Characteristics of HvCNGC2-3, Na ⁺ and K ⁺ Dual Specific Channel Activated by Co-presence of Na ⁺ and K ⁺
21:00-22:00	COMMITTEE PRE-MEETING (Unofficial)

DAY 2 (June 28 th , WED)		
9:00-10:15	Gravity response and mechanical stimuli	
	Takuya Furuichi (ca. 20 min)	Role of mechanosensitive channel in gravity sensing and responses against environmental stresses in ISS
	Atsushi Kume (ca. 20 min)	Effects of long-term hypergravity treatment on the growth and photosynthesis of <i>Physcomitrella patens</i>
	Rainer Hedrich (ca. 20 min)	Molecular Insights into a Touch Receptor
10:15-10:35	COFFEE BREAK	
10:35-12:10-	Redox regulation and ion channels (2)	
	Kazuyuki Kuchitsu (ca. 30 min)	Regulation of plant development and stress responses by the ROS-Ca ²⁺ signaling network and autophagy
	Renu Bhardwaj (ca. 20 min)	Combination of 24-epibrassinolide and Salicylic acid modulates oxidative stress in Brassica juncea L. plants under metal stress
	Francois Bouteau (ca. 20 min)	Anion channel activation, a key event in retraction of the protoplast during PCD?
	Yoshiyuki Murata (ca. 20 min)	Regulation of abscisic acid-induced stomatal closure by glutathione and reactive carbonyl species
12:10-12:15	GROUP PHOTO (in front of stage)	
12:15-13:45	LUNCH	POSTER CORE TIME 1
	COMMITTEE MEETING	
14:00-18:30	EXCURSION	
19:00-21:00	BANQUET	
DAY 3 (June 29 th , THU)		
9:15-10:15	Computational chemistry, photosynthesis-inspired energy management, and physical approaches for plant behaviors	
	Shinichiro Nakamura (ca. 20 min)	On the mechanism of Oxygen Evolving Center, a Theoretical Study.
	Katsushi Fujii (ca. 20 min)	Solar light conversion to hydrogen by using solar cells and electrochemical cells inspired from photosystem II
	Takuya Suzuki (ca. 15 min)	Development of novel photocatalyst using Perovskite, Pyrochlore, Spinel and Delafossite structures.
10:15-10:30	COFFEE BREAK	
10:30-12:10-	Electrophysiology	
	Mary Jane Beilby (ca. 20 min)	Does Chara have H ⁺ / OH ⁻ channels?
	Hisashi Okamoto (35 min)	Activation of the root xylem proton pump by hydraulic signals from leaves under suppressed transpiration
	Stefano Mancuso (ca. 20 min)	TBA
12:10-13:30	LUNCH	
13:30-14:30	Responses to mechanical stimuli	

	Hieu T.H. Nguyen (ca. 20 min)	Superoxide-dependent Positive and Negative Modulation of Hypo-osmotically Altered Cytosolic and Nucleic Calcium Ion Concentrations in Tobacco Cells
	Shogo Takatani (ca. 20 min)	NEK6 coordinates organ growth by mechanical signal in Arabidopsis
14:30-15:30	POSTER CORE TIME 2	
15:30-17:00	Behavior of roots and stomata	
	Frantisek BALUSKA (ca. 20 min)	Root Apex Navigation via Light Gradients, Sound Waves and Volatiles
	Ken-ichiro Shimazaki (ca. 20 min)	Two protein kinases mediate blue light-stimulated stomatal opening by inactivation of the anion channels in guard cells
	Keina Monda (ca. 20 min)	Environmental adaptation in stomatal size and aperture in Arabidopsis natural accessions
	Christophe Goupil (ca. 20 min)	Pattern recognition of plant activity
DAY 4 (June 30th, FRI)		
9:15-10:00	Microbial and algal resources	
	Katsunori Yanagawa (ca. 20 min)	Microbial life beneath deep-sea hydrothermal vent
	Minato Wakisaka (ca. 20 min)	Promotion of microalgae growth and metabolites accumulation by various additives
	Kota Oshita and Tomonori Kawano	Shifted to Poster #19
10:00-10:50	Symbiosis and evolution (continued from day 1)	
	Sam-Geun Kong (ca. 20 min)	Actin nucleation system for chloroplast photorelocation movement
	Katsunori Suzuki (ca. 20 min)	Broad application range of agrobacterium-mediated transformation as well as virulence gene induction by the H-type precursor evoke an idea to implicate lower classes of plants as ancestral hosts
10:50-11:10	COFFEE BREAK	
11:10-12:20	Environmental Biology	
	Eugene Hayato Morita (ca. 20 min)	Physicochemical studies for the heavy-metal stress response in cyanobacterium, <i>Synechococcus</i> sp. PCC 7942
	Tayebeh Abedi (ca. 20 min)	Response of tobacco plants overexpressing UDP-Gal epimerase to Gal toxicity.
	Masanori Tamaoki (ca. 20 min)	Evaluation of DNA damage from radiation in Fukushima using transgenic plants and callus
12:20-13:50	LUNCH	
13:50-15:40	Plant Growth and Development	
	Elizabeth Van Volkenburg (ca. 20 min)	Mechanisms of Behavior in Plants
	Daniel Philippe Matton (ca. 20 min)	Pollination type recognition from a distance by the ovary is revealed by a global transcriptomic analysis
	Shinjiro Ogita (ca. 20 min)	A new concept of plant cell, tissue and organ culture approach for practical manipulation of plant stem cells

	Nobukazu Tanaka (<i>ca.</i> 20 min)	Hyper-galactosylation of plant cell wall components leads to alteration of plant growth and characteristics.
15:40-16:05	Stefano Mancuso	Closing Remarks
	Tomonori Kawano	Announcement
DAY 5 (July 1st, SAT)		
10:30-12:00-	Slot for Committee Meeting (additional, if any)	
12:00-13:00	LUNCH	
13:00-15:00	Open Seminar (translation to Japanese available)	
	Stefano Mancuso	KEYNOTE: The Surprising Science & History of Plants' Intelligence!!!
	Stefano Mancuso, Francois Bouteau, Cristophe Goupil, Tomonori Kawano	Panel Discussion