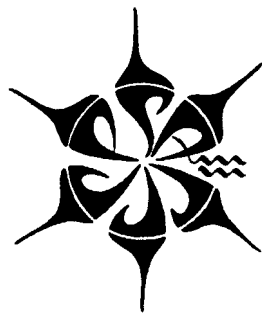
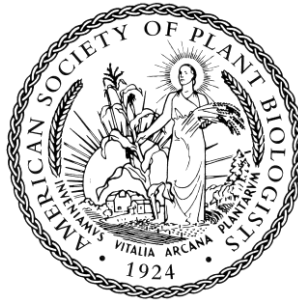


Plant Biology 2009 Schedule



Phycological
Society of America

**Joint Annual Meetings of the
American Society of Plant Biologists
and the Phycological Society of America**

Hawaii Convention Center, Honolulu, Hawaii
Saturday July 18 thru Wednesday July 22, 2009

Plant Biology 2009 Daily Schedule

SATURDAY, JULY 18

Start Time	End Time	Event/Item	Location
9:00 AM	9:00 PM	Registration Open	Exhibit Hall II & III
8:00 AM	10:00 AM	ASPB Education Committee Meetings	325A
8:00 AM	12:00 PM	Plant Physiology® Editorial Board Meeting	325B
9:00 AM	5:00 PM	Exhibitor and Poster Set-up	Exhibit Hall II & III
11:00 AM	12:00 PM	Undergraduate Networking Poster Session – Students move your posters to Exhibit hall afterwards	Maui 316B
11:00 AM	1:00 PM	ASPB Program Committee Meeting	325A
12:30 PM	5:00 PM	<p>PSA Bold Talks</p> <p>12:30 - P04002: Craig Aumack - <i>Impacts of filamentous algal epiphytes/endophytes on macroalgal productivity in the Western Antarctic Peninsula</i></p> <p>12:45 - P02010: Stephanie Brunelle - <i>Post-transcriptional regulation of the DNA Replication Fork Proteins in the Florida Red Tide dinoflagellate, Karenia brevis</i></p> <p>1:00 - P05018: Amy Lynn Carlile - <i>Molecular systematics of North Pacific Ceramiaceae species, with a focus on the tribe Ceramieae</i></p> <p>1:15 - P02009: Jillian Lynch - <i>Metacaspase activity in aging Karenia brevis cultures: preliminary insight into cellular mechanisms regulating bloom termination.</i></p> <p>1:30 - P05021: Kimberly Peyton - <i>Exotic threats to biodiversity: A new species of Udotea forms meadows in the deep-water of Hawaii with an invasive alga bordering its edges</i></p> <p>1:45 - P04015: Rosemary Romero - <i>Recruitment strategies of the early colonizing macroalgae Ulva (Linnaeus) and Porphyra perforata in central California</i></p> <p>2:00 - P04012: Heather Spalding - <i>Discovering deepwater algal meadows in Hawaii: Home is where the Halimeda is</i></p> <p>2:15 - P03001: Cheryl Squair - <i>Feast or famine? Evaluating the significance of nutrient enrichment to crustose coralline algae on Ofu, American Samoa.</i></p> <p>2:30-3:00 Coffee Break In Ala Halawai Hallway</p> <p>3:00 - P04020: Daniel O'Doherty - <i>Genetic assessment of the pantropical alga Acanthophora spicifera (Rhodophyta) as revealed by DNA sequencing and microsatellite genotyping, with a focus on Hawaiian populations</i></p> <p>3:15 - P06001: Yen-Chun Liu - <i>Mechanism for Differential Desiccation Tolerance in Porphyra Species</i></p> <p>3:30 - P05019: Bridgette Clarkston - <i>A comparison of two DNA barcode markers for species discrimination in marine red algae</i></p> <p>3:45 - P05017: Katy Hind - <i>Identification of the genus Corallina (Corallinales, Rhodophyta) in Canada</i></p> <p>4:00 - P06005: Erin Cox - <i>Taking tropical stress in stride? An investigation of the impact of low tides on the brown alga Padina sanctae-crucis distribution and physiology.</i></p> <p>4:15 - P03002: Thomas Sauvage - <i>Assessing impacts of the non-indigenous red alga Gracilaria salicornia on Waikiki's reef health: Algal distribution changes over a 40 year period.</i></p> <p>4:30 - P04007: Selena McMillan - <i>Grazing effects of the turban snail, Chlorostoma brunnea, on the productivity of the giant kelp, Macrocystis pyrifera, in central California.</i></p> <p>4:45 - P04004: Megan Wehrenberg - <i>Alternative life history of Gracilariopsis sp. (Rhodophyta) within the dynamic substrate regime of a central Californian estuary</i></p>	Kaua'I 311
1:00 PM	2:00 PM	Opening Address and ASPB Awards Ceremony	Kalakaua Ballroom B & C
2:00 PM	2:40 PM	Symposium I: Charles Albert Shull Award Winner – Abstract S011 - Sheng Luan, University of California Berkeley - <i>The CBL-CIPK calcium signaling network in plants</i>	Kalakaua Ballroom B & C
3:00 PM	6:50 PM	<p>Symposium II: ILLUMINATING PLANT PHOTOMORPHOGENESIS</p> <p>Organizer: Richard Vierstra, Univ. Wisconsin</p> <p>3:00 - S021: Winslow Briggs – Carnegie Institute of Washington - <i>The LOV domains of the phototropins: In loyal service to photoreceptors in bacteria, fungi, algae, and higher plants</i></p> <p>3:40 - S022: Mannie Liscum, University of Missouri - <i>Musings and cogitations on phototropic signaling</i></p> <p>4:20 – 4:50 Coffee Break Outside Ballroom</p> <p>4:50 - S023: Richard D. Vierstra, University of Wisconsin - <i>Atomic perspectives on phytochrome photochemistry</i></p> <p>5:30 - S024: Peter H. Quail, USDA-Plant Gene Expression Center, UC Berkeley - <i>Phytochrome signaling networks</i></p> <p>6:10 - S025: Xing-Wang Deng, Yale University - <i>Light Control of Plant Development: a role of proteolysis</i></p>	Kalakaua Ballroom B & C

Plant Biology 2009 Daily Schedule

SATURDAY, JULY 18 (continued)

6:30 PM	8:00 PM	<p>PSA Talks - Algal Phylogenetics & Taxonomy-I 6:30 - P05016: Lesleigh Kraft - <i>A study of Australian Ulva challenges notions of cosmopolitanism and the utility of anatomical species designations</i> 6:45 - P05023: Charles O'Kelly - <i>Molecular assessment of the species of Ulva (Ulvophyceae, Chlorophyta) in the Hawaiian Islands</i> 7:00 - P05015: Gerald Kraft - <i>The marine macroalgae of Lord Howe Island: 32 years on</i> 7:15 - P05013: Judith Broom - <i>Progress in documenting the common coralline algae of New Zealand</i> 7:30 - P05006: Haj Allali - <i>A biodiversity survey of subaerial algae from an African tropical Rainforest</i> 7:45 - P05002: Daryl Lam - <i>Epiphytic Biodiversity of the Raleighvallen Rainforest (Suriname, South America) Inferred from Environmental Sequencing</i></p>	Kaua'I 311
6:30 PM	7:45 PM	<p>PSA Talks - Applied Phycology-I 6:30 - P01007: Maria Ghirardi - <i>Hydrogen Fuel Production by Microalgae: Issues and Future Directions</i> 6:45 - P01003: Matthew Timmins - <i>High-efficiency hydrogen production from green microalgae</i> 7:00 - P01006: Takashi Yamamoto - <i>Elevation of the hydrogenase activity to produce hydrogen by Synechocystis sp. strain PCC6803</i> 7:15 - P02008: Yunyun Zhuang - <i>Regulatory network of cell cycle in marine phytoplankton</i> 7:30 - P01005: Makoto Wakayama - <i>Elevation of the production rate of the intracellular D-glucose in Synechococcus sp. strain PCC6301</i></p>	Lana'I 314
6:30 PM	8:00 PM	<p>PSA Talks - Algal Ecology & Population Biology-I 6:30 - P04013: Peter Thompson - <i>The phytoplankton ecology of Western Australia.</i> 6:45 - P04018: Dennis Hanisak - <i>Water quality in the Indian River Lagoon, Florida: Relationship to the macroalgal community</i> 7:00 - P04009: Jennifer Ress - <i>Bryophytic algal communities from Nu'uuanu Pali, O'ahu, (Hawaii, U.S.A.)</i> 7:15 - P04017: Hugh Forehead - <i>Effects of reduced physical disturbance and nutrient enrichment on the ecology of subtidal benthic microalgae in Western Australia</i> 7:30 - P04003: Rex Lowe - <i>Distribution and morphological variability of Cosmioneis (Bacillariophyceae) in Hawaii</i> 7:45 - P04024: Alan Millar - <i>Threatened seaweeds and how we could protect them?</i></p>	Moloka'I 315
7:00 PM	8:20 PM	<p>Perspectives of Science Leaders - Speaker: Dr. William H. Danforth – Recipient of the 2009 ASPB Leadership in Science Public Service Award</p>	Kalakaua Ballroom B & C
8:30 PM	10:00 PM	<p>Opening Reception/Mixer</p>	Exhibit Hall II & III

Plant Biology 2009 Daily Schedule

SUNDAY, July 19

Start Time	End Time	Event/Item	Location
7:00 AM	6:00 PM	Registration Open	Exhibit Hall II & III
7:00 AM	8:30 AM	ASPB International Committee Meeting	325A
7:00 AM	8:30 AM	ASPB Education Foundation Board Meeting	325B
7:00 AM	8:30 AM	Small Colleges/PUI Networking Breakfast	Maui 316B
7:00 AM	11:00 PM	Posters Open	Exhibit Hall II & III
8:30 AM	12:20 PM	<p>Symposium III: ASPB-PSA JOINT SYMPOSIUM: GENOMICS APPROACHES FOR SYSTEMATICS, ENERGY METABOLISM AND ACCLIMATION IN ALGAE</p> <p>Organizers: Sabeeha Merchant, UCLA Alison Sherwood, Univ. Hawaii</p> <p>8:30 - S031: Debashish Bhattacharya, University of Iowa - <i>The evolution of photosynthesis on the tree of life</i></p> <p>9:10 - S032: Sabeeha Merchant, UCLA - <i>Functional analysis of trace nutrient homeostasis in chlamydomonas using next generation sequencers</i></p> <p>9:50 Coffee Break Outside Ballroom</p> <p>10:20 - S033: Chris Bowler, CNRS, Molecular Plant Biology, Paris - <i>Genomics-enabled approaches for revealing the molecular secrets of marine diatoms</i></p> <p>11:00 - S034: Simon Prochnik - <i>Comparative genomic analysis of Chlamydomonas and Volvox sheds light on the evolution of developmental complexity</i></p> <p>11:40 - S035: Mary Rumpho, University of Maine - <i>Sea slug-algal chloroplast symbiosis: is horizontal gene transfer driving the evolution of photosynthesis in an animal?</i></p>	Kalakaua Ballroom B&C
9:30 AM	7:00 PM	Exhibits Open	Exhibit Hall II & III
12:30 PM	3:00 PM	<p>Exclusive Poster & Exhibit Session – Boxed lunch provided</p> <p>1:00 - 2:00 - even number abstracts</p> <p>2:00 - 3:00 - odd number abstracts</p>	Exhibit Hall II & III
3:00 PM	6:50 PM	<p>Symposium IV: PLANT NATURAL PRODUCTS - CHEMICAL EVOLUTION IN TIME AND SPACE</p> <p>Organizer: Robert Last, Michigan State University</p> <p>3:00 - S041: Rick Dixon, Noble Foundation - <i>Changing the spatial accumulation of proanthocyanidins- what else do we need to know?</i></p> <p>3:40 - S042: Jonathan Gershenzon, Max Planck Institute for Chemical Ecology - <i>Glucosinolate hydrolysis products: Why they dare to be different</i></p> <p>4:20 Coffee Break Outside Ballroom</p> <p>4:50 - S043: Rob Last, Michigan State University - <i>Integrated approaches to understanding tomato glandular trichome metabolism</i></p> <p>5:30 - S044: Joe Noel, Salk Institute - <i>Peeling back the layers of time: Reconstructing the evolutionary history of nature's biosynthetic toolbox</i></p> <p>6:10 - S045: Anne Osbourn, John Innes Centre - <i>Metabolic diversification in plants</i></p>	Kalakaua Ballroom B & C
7:00 PM	8:30 PM	ASPB Minority Affairs Committee Meeting	325A
7:00 PM	8:00 PM	USDA Reception	325B
7:00 PM	10:00 PM	<p>Career Workshop I - How To Survive A New Job (ticket required)</p> <p>Panelists: Judy Callis, Simon Gilroy, Winslow Briggs, C. Robertson McClung, Marta Laskowski</p>	318 A & B
7:00 PM	10:00 PM	<p>Career Workshop II - Alternate Careers (ticket required)</p> <p>Panelists: Frederick Perlak, Flo Paoli, Rick Dixon, Susanne Brink, Sharlene Weatherwax, Huishan Guo, Patrick Morgan</p>	319 A & B
7:00 PM	9:00 PM	NSF Awardee Workshop - Collaborating with Chinese Scientists	Maui 316A
7:00 PM	9:30 PM	PSA Endowment Auction	O'ahu 313A
7:30 PM	9:30 PM	Education Workshop - Talking Science in Public: Evolution, GMO's and other challenging issues. (ticket required)	Maui 316B
7:30 PM	9:30 PM	Guidelines for Preparing Digital Art - Beginner - Speaker: Michael Hepp of The Sheridan Group	Lana'i 314

Plant Biology 2009 Daily Schedule

MONDAY, July 20

Start Time	End Time	Event/Item	Location
7:00 AM	8:30 AM	ASPB Women in Plant Biology Committee Meeting	325A
7:00 AM	11:00 PM	Posters Open	Exhibit Hall II & III
8:00 AM	5:00 PM	Registration Open	Exhibit Hall II & III
8:30 AM	12:20 PM	<p>Symposium V: ASPB-CSPP JOINT SYMPOSIUM: CROP FUNCTIONAL GENOMICS</p> <p>Organizers: Jeffrey Bennetzen, Univ. Georgia Xioaya Chen, Shanghai Institute of Biological Sciences</p> <p>8:30 - S051: Qifa Zhang, Huazhong Agricultural University, China - <i>Progress in rice functional genomics research in China</i></p> <p>9:10 - S052: Bin Han, National Center for Gene Research, and Beijing Institute of Genomics, Chinese Academy of Sciences - <i>High-throughput genotyping of rice recombinant inbred lines by whole genome re-sequencing</i></p> <p>9:50 - 10:20 - Coffee Break Outside Ballroom</p> <p>10:20 - S053: Xiao-ya Chen, Institute of Plant Physiology and Ecology, Shanghai Institutes for Biological Science, Chinese Academy of Sciences - <i>Transcriptome and metabolic analysis of cotton</i></p> <p>11:00 - S054: Katherine VandenBosch, University of Minnesota - <i>Transcriptomics of legumes: Medicago truncatula as a case study</i></p> <p>11:40 - S055: Jeff Bennetzen, University of Georgia - <i>Comparative genomic approaches to identify novel gene functions, and their origins, in cereals</i></p>	Kalakaua Ballroom B & C
8:30 AM	12:30 PM	<p>PSA Talks -</p> <p>Algal Phylogenetics & Taxonomy-II</p> <p>8:30 - P05008: Juan Lopez-Bautista - <i>New insights in the systematics of Trentepohliales based on rbcL and morphological analyses</i></p> <p>8:45 - P05027: Gabrielle Rocap - <i>The chloroplast genome of the marine picoplankter Pinguicoccus pyrenoidosus</i></p> <p>9:00 - P05026: Jeffrey Johansen - <i>Using secondary structure of the 16S rRNA molecule and associated 16S-23S ITS to examine phylogenetic relationships of Aulosira (Nostocaceae, Cyanobacteria).</i></p> <p>9:15 - P04019: Michael Jacobs - <i>Differential rate of divergence in mitochondrial and chloroplast genome sequences from geographically separate strains of Heterosigma akashiwo.</i></p> <p>9:30 - P05004: Michael Wynne - <i>The recognition of Caulerpa integerrima (Zanardini) comb. et stat. nov. (Bryopsidales, Chlorophyta) from the Red Sea</i></p> <p>9:45 - P04021: Chi Chiu Cheang - <i>The phylogeography of Sargassum fusiforme (Fucales, Heterokontophyta) in the northwestern Pacific</i></p> <p>10:00 - P04008: Kyle Demes - <i>Phenotypic plasticity reconciles incongruous molecular and morphological taxonomies: Macrocystis is a monospecific genus</i></p> <p>10:15 - 11:00 Coffee Break In Ala Halawai Concourse</p> <p>Algal Phylogenetics & Taxonomy-III</p> <p>11:00 - P05022: Michael Lynch - <i>Investigating deep phylogenetic relationships within the Rhodophyta by RNA secondary structure and nuclear gene sequence analysis</i></p> <p>11:15 - P05014: Sandra Lindstrom - <i>Contrasting phylogeographic patterns of two high intertidal dioecious species of Porphyra (Bangiales, Rhodophyta) in the northeast Pacific</i></p> <p>11:30 - P05055: Max Hommersand - <i>Molecular distance is correlated with biogeographic separation in marine red algae, whereas morphological variation is conditioned by environmental change, especially adaptations to different temperature isotherms</i></p> <p>11:45 - P05010: Craig Schneider - <i>Molecular investigations of foliose Rhodymeniophycidae (Rhodophyta) from Bermuda, western Atlantic.</i></p> <p>12:00 - P05003: Paul Geraldino - <i>Phylogenetic relationships within the genus Hypnea (Gigartinales, Rhodophyta) based on multigene data</i></p> <p>12:15 - P05042: Daniela Gabriel - <i>The red algal genus Titanophora (Schizymeniaceae, Nemastomatales) in the Gulf of Mexico</i></p>	Ni'ihau 312


Plant Biology 2009 Daily Schedule

MONDAY, July 20 (continued)

8:30 AM	10:15 PM	<p>PSA Talks Algal Ecology & Physiology 8:30 - P06008: Raymond Lewis - <i>Reduced salinity increases oogenesis in various kelps (Order Laminariales)</i> 8:45 - P06004: Regina Radan - <i>Differential toxin response of Pseudo-nitzschia multiseriata as a function of nitrogen source: batch and continuous cultures</i> 9:00 - P04005: Philip Bucolo - <i>Phototactic responses of swimmers of the Antarctic epiphyte Elachista antarctica</i> 9:15 - P04011: Kathryn Van Alstyne - <i>The release of dopamine by Ulvaria obscura and its allelopathic effects on algae and invertebrate larvae</i> 9:30 - P06006: Sarah Kiemle - <i>What do the cell walls of two primitive true taxa of the charophycean green algae, Chlorokybus atmophyticus and Klebsormidium flaccidum, tell us about the evolution of the land plant cell wall?</i> 9:45 - P06010: Graham Peers - <i>An ancient light harvesting protein is critical for the regulation of algal photosynthesis</i> 10:00 - P06002: Yingjun Wang - <i>LCIB: a novel gene family involved in the microalgal CO₂-concentrating mechanism</i></p>	Lana'I 314
8:30 AM	12:45 PM	<p>PSA Talks Algal Cellular & Molecular Biology 8:30 - P02005: John La Claire - <i>Gene expression profiling growth stages of Prymnesium parvum (Haptophyta) in culture and in nature</i> 8:45 - P07002: Alejandra Gonzalez - <i>Morphometric and molecular studies identify cryptic species in the Lessonia nigrescens complex along the Chilean coast</i> 9:00 - P02006: Rose Ann Cattolico - <i>Chloroplast genomes, genes and gene expression in two strains of Heterosigma akashiwo - a bloom forming alga.</i> 9:15 - P07001: Megan Black - <i>Heterosigma akashiwo world-wide population diversity</i> 9:30 - P07003: Michelle Casanova - <i>Can we use vegetative morphology for species determination in Nitella (Characeae, Charophyceae)?</i> 9:45 - P02002: Nedeljka Rosic - <i>Gene expression analysis and housekeeping genes selection for real-time RT-PCR in symbiotic dinoflagellates during thermal and light stress</i> 10:00 - P02003: Yusuke Matsuda - <i>Modeling of structure of CO₂ responsive promoter in the marine diatom Phaeodactylum tricornutum.</i> 10:15 - P04006: Su Yeon Kim - <i>Molecular approach for the current distribution pattern of Pterocladia capillacea (Gelidiales, Rhodophyta)</i> 10:30 - 11:00 Coffee Break In Ala Halawai Concourse Applied Phycology-II 11:00 - P01009: Zackary Johnson - <i>Isolation and characterization of marine phytoplankton as a next generation biofuel</i> 11:15 - P01008: Lisa Pickell - <i>Mid-scale screening of marine phytoplankton for large scale production of biofuel</i> 11:30 - P02001: Rachel Miller - <i>Oil biosynthesis in Chlamydomonas reinhardtii</i> 11:45 - P01004: Eugene Zhang - <i>Characterisation of Australian microalgae for biodiesel production</i> 12:00 - P02007: Todd Lane - <i>Digital transcriptomic analysis of silicate starvation induced triacylglycerol</i> 12:15 - P06011: Skye Thomas-Hall - <i>Analysis of lipid accumulation in microalgae</i> 12:30 - P04016: Charles Yarish - <i>Multi-Component Evaluation to Minimize the Spread of Aquatic Invasive</i></p>	Moloka'I 315
9:30 AM	2:00 PM	Exhibits Open	Exhibit Hall II & III
12:20 PM	2:30 PM	ASPB Women in Plant Biology Sponsored Lunch & Speaker - Speaker: Mary Lou Guerinot (ticket required)	Maui 316B
12:20 PM	2:00 PM	TAIR Workshop I - How to effectively use the tools and resources at TAIR to enhance your research - Speakers: Phillippe Lamesch, Donghui Li, A.S. Karthikeyan	318 A & B
2:30 PM	4:10 PM	Guidelines for Preparing Digital Art - Advanced - Speaker: Michael Hepp of The Sheridan Group	319 A&B
2:30 PM	4:30 PM	<p>PSA Plenary 1 - Algal Biotechnology 2:30 - P01001: David Chapman - <i>Algal biotechnology: an overview of past present and prognosis</i> 3:30 - P02020: Arthur Grossman - <i>Opening the floodgates: Comparative genomic analyses from a Chlamydomonas-centric perspective</i> 4:00 - P01002: Don Cheney - <i>Seaweed biotechnology: from phycocolloids to environmental bioremediation and renewable sources of biofuels</i></p>	Ni'ihau 312

Plant Biology 2009 Daily Schedule

MONDAY, July 20 (continued)

2:30 PM	4:10 PM	<p>Minisymposium 1: Education Outreach - Evolution & Innovation in Plant Biology Outreach for Elementary, Community College, Undergraduate, & Professional Science Educators - Chair: Jane Ellis</p> <p>2:30 - M0101: Jeremy Pritchard - <i>Simple but Dangerous ideas; strategies to help in teaching evolution</i></p> <p>2:55 - M0102: Christina Reynaga-Pena - <i>Development and assessment of didactic packages including DVDs on plant biology experiments for rural schools in Mexico</i></p> <p>3:20 - M0103: Kabi Neupane - <i>Advances in biosciences education for community Colleges: The journey from summer workshop to year-round independent research project</i></p> <p>3:45 - M0104: Erin Dolan - <i>Undergraduate-level inquiry: Benefits and challenges of engaging in classroom-based research</i></p>	Lana'I 314
2:30 PM	4:10 PM	<p>Minisymposium 2: Gibberellins & Abscisic Acid - Chair: Tai-ing Sun</p> <p>2:30 - M0201: Kohji Murase & Rodolfo Zentella - <i>Structure-function analysis of GA receptor and DELLA protein in Arabidopsis</i></p> <p>2:55 - M0202: Camille M. Steber - <i>Relieving DELLA repression of stem elongation and flowering, evidence for a proteolysis independent mechanism for GA signaling</i></p> <p>3:20 - M0203: Wan-Chi Lin - <i>ABA Receptors? Not sure. Signaling molecules? Yes.</i></p> <p>3:45 - M0204: David H. Huizinga - <i>Isoprenylcysteine methylation and demethylation regulate abscisic acid signaling in Arabidopsis</i></p>	Kaua'I 311
2:30 PM	4:10 PM	<p>Minisymposium 3: Genome Integrity - Chair: Anne Britt</p> <p>2:30 - M0301: Igor Kovalchuk - <i>Progeny of stressed plants exhibit dramatic changes in genome stability, methylation pattern, stress tolerance and metabolites profile</i></p> <p>2:55 - M0302: Anne B. Britt - <i>The NAC domain transcription factor Suppressor of Gamma Response 1 (Sog1) governs programmed response to DNA damage</i></p> <p>3:20 - M0303: Sascha Biedermann - <i>The DDB1a interacting proteins CSA and DDB2 are critical factors for UV-B tolerance in Arabidopsis thaliana</i></p> <p>3:45 - M0304: Vipula K. Shukla - <i>Precise genome modification in the crop species Zea mays using zinc-finger nucleases</i></p>	Moloka'I 315
2:30 PM	4:10 PM	<p>Minisymposium 4: Secondary Metabolism - Chair: Kazuki Saito</p> <p>2:30 - M0401: Kazuki Saito - <i>Transcriptome coexpression analysis and comprehensive metabolite profiling led to decoding gene-metabolite correlations in Arabidopsis flavonoid metabolism</i></p> <p>2:55 - M0402: Hyun Joo Koo - <i>Evolution and biosynthesis of medicinally important terpenoids curcumin and the turmerones in turmeric and ginger</i></p> <p>3:20 - M0403: Charles E. Stewart - <i>Convergent biosynthetic evolution in type III polyketide synthases</i></p> <p>3:45 - M0404: Hong Han - <i>The biosynthesis of triterpenoid glutinol and friedelin in kalanchoe daigremontiana</i></p>	Maui 316A
2:30 PM	4:10 PM	<p>Minisymposium 5: Reproductive Biology - Chair: Mark Johnson</p> <p>2:30 - M0501: Yongxian Lu - <i>Cation/proton transporters are key players in pollen tube guidance</i></p> <p>2:55 - M0502: Tetsuya Higashiyama - <i>Identification of pollen tube attractants derived from the synergid cell</i></p> <p>3:20 - M0503: Mily Ron - <i>Mis-regulation of a nat-siRNA pair in sperm cells results in single fertilizations.</i></p> <p>3:45 - M0504: Mark A. Johnson - <i>HAP2(GCS1) is a sperm-expressed component of a deeply conserved fertilization mechanism</i></p> <p>Sponsored by Elsevier - Plant Science</p> 	Maui 316C
2:30 PM	4:10 PM	<p>Minisymposium 6: Chloroplast Signaling & Gene Expression - Chair: Maureen Hanson</p> <p>2:30 - M0601: Masahiro Sugiura - <i>Novel termination-dependent translation in chloroplasts</i></p> <p>2:55 - M0602: Wade Heller - <i>A comparative genomics approach identifies RARE1: a pentatricopeptide repeat protein mediating chloroplast accD transcript editing</i></p> <p>3:20 - M0603: Takehito Inaba - <i>Coordination of plastid protein import and nuclear gene expression by plastid-to-nucleus retrograde signaling pathway</i></p> <p>3:45 - M0604: Barry Pogson - <i>Chloroplast-nuclear signaling: A tale of phosphatases, gene silencing and histone modifications</i></p>	O'ahu 313A
4:10 PM	4:45 PM	Coffee Break	Ala Halawai Concourse
4:45 PM	6:45 PM	<p>PSA Plenary 2 - Algal Species Concept in Molecular Ecology</p> <p>4:45 - P07006: Wayne Litaker - <i>Defining algal species in the 21st century: Morphology vs. genetics?</i></p> <p>5:45 - P07005: Dale Casamatta - <i>Towards a method of untangling cyanobacterial systematics in the age of genomics.</i></p> <p>6:15 - P07004: Robert Sheath - <i>What is a red algal species?</i></p>	Ni'ihau 312

Plant Biology 2009 Daily Schedule

MONDAY, July 20 (continued)

4:45 PM	6:25 PM	Minisymposium 7: Minority Affairs - Ka Hunaola Lā`au (Plant Cell Biology) - Chair: John Harada 4:45 - M0701: Kawika Winters - <i>Seeing the waonāhele from amongst the trees: A culturally-based, whole-system view of plant biology</i> 5:10 - M0702: Beronda Montgomery-Kaguri - <i>Right place, right time: Spatiotemporal phytochrome regulation of plant growth and development</i> 5:35 - M0703: Elison Blancaflor - <i>Filling the gap between cytoskeletal remodeling and membrane trafficking in the regulation of tip growth in plants</i> 6:00 - M0704: Magdalena Bezanilla - <i>Controlling actin dynamics is required for tip growth</i>	Lana'I 314
4:45 PM	6:25 PM	Minisymposium 8: Hormone Biology - Chair: Yuji Kamiya 4:45 - M0801: Yuji Kamiya - <i>Indole-3-acetaldoxime dependent auxin biosynthesis in Arabidopsis</i> 5:10 - M0802: John G. Tallman - <i>Like heat, L-NG-monomethyl arginine (L-NMMA), an inhibitor of arginine-dependent nitric oxide (NO) production, blocks auxin signaling for gene expression and interferes with hormone-dependent cell expansion and division in cultured Nicotiana glauca guard cell protoplasts (GCP).</i> 5:35 - M0803: Abidur Rahman - <i>Transcytosis of PIN2 in arabidopsis is regulated by protein phosphatase 2A and PID kinase</i> 6:00 - M0804: Noriyuki Nishimura - <i>Identification of new ABI1-mediated ABA signaling components in arabidopsis.</i>	Kaua'I 311
4:45 PM	6:25 PM	Minisymposium 9: Cell Cycle Regulation - Chair: Dirk Inze 4:45 - M0901: Christine Foyer - <i>Redox homeostasis and regulation in the cell cycle</i> 5:10 - M0902: Dirk Inzé - <i>The molecular basis of organ growth</i> 5:35 - M0903: Hyun-Sook Pai - <i>Dual Functions of Nicotiana benthamiana Rae1 in interphase and mitosis</i> 6:00 - M0904: Yuh-Ru Julie Lee - <i>The WD40 repeat protein NEDD1 plays a role in microtubule organization during mitotic cell division in Arabidopsis thaliana</i>	Moloka'I 315
4:45 PM	6:25 PM	Minisymposium 10: Emerging Model Systems - Chair: Janet Slovin 4:45 - M1001: Todd Michael - <i>Duckweeds as model aquatic plants</i> 5:10 - M1002: Janet Slovin - <i>Diploid strawberry (Fragaria vesca) a reference species for the Rosaceae family</i> 5:35 - M1003: John Vogel - <i>Brachypodium distachyon: a new model for the grasses</i> 6:00 - M1004: Todd Mockler - <i>Brachypodium distachyon transcriptomics</i>	Maui 316A
4:45 PM	6:25 PM	Minisymposium 11: Abiotic Stress - Chair: Joerg Kudla 4:45 - M1101: Joerg Kudla - <i>Regulation and function of calcium sensor proteins and their interacting kinases in abiotic stress responses</i> 5:10 - M1102: June M. Kwak - <i>Two MAP kinases preferentially expressed in guard cells positively regulate ROS-mediated ABA signaling</i> 5:35 - M1103: Hargurdeep S. Saini - <i>Enhancement of salinity tolerance by engineering a chloride-volatilizing enzyme into plants</i> 6:00 - M1104: Shutian Li - <i>Nuclear activity of ROXY1, a glutaredoxin interacting with TGA factors, promotes petal development in Arabidopsis</i>	Maui 316C
4:45 PM	6:25 PM	Minisymposium 12: Light Signalling - Chair: Robert Larkin 4:45 - M1201: Robert M. Larkin - <i>Integration of light and plastid signals</i> 5:10 - M1202: Md. Sayeedul Islam - <i>Photoreceptor systems for light-dependent intracellular positioning of mitochondria in Arabidopsis thaliana</i> 5:35 - M1203: Meng Chen - <i>HEMERA, an essential regulator linking phytochrome nuclear bodies and light signaling in Arabidopsis</i> 6:00 - M1204: Hongtao Liu - <i>Blue light-specific regulation of CIB1 protein expression in Arabidopsis</i>	O'ahu 313A
6:30 PM	8:30 PM	ASPB Minority Affairs Dinner and Sponsored Speaker: Speaker: Cliff Poodry, Director, Division of Minority Opportunities and Research, National Institute of General Medical Sciences, NIH (ticket required)	Maui 316B
7:00 PM	8:30 PM	TAIR Workshop II - TAIR, PMN, and SGN workshop: Focus on comparative genomics and new tools. Speakers: Philip Lamesch, A.S. Karthikeyan, Lukas Mueller, Pankal Jaiswal	318 A & B
7:00 PM	8:30 PM	Grantsmanship Workshop: Representatives from Federal agencies will provide overviews of funding opportunities	319 A&B
7:00 PM	8:30 PM	ASPB Fellows Reception	325A
8:30 PM	11:00 PM	Exclusive Poster & Exhibit Session 9:00 - 10:00 PM - odd numbered abstracts 10:00 - 11:00 PM - even numbered abstracts	Exhibit Hall II & III

Plant Biology 2009 Daily Schedule

TUESDAY, July 21

Start Time	End Time	Event/Item	Location
7:00 AM	8:30 AM	ASPB Public Affairs Committee Meeting	325A
7:00 AM	8:30 AM	ASPB Membership Committee Meeting	325B
7:00 AM	11:00 PM	Posters Open	Exhibit Hall II & III
8:00 AM	5:00 PM	Registration Open	Exhibit Hall II & III
8:00 AM	12:00 PM	<p>Symposium VI: DARWIN'S LEGACY: EVOLUTION AND PLANT BIOLOGY Organizer: Barbara Schaal, Washington University, St. Louis 8:00 - S061: Michael Purugganan, NYU - <i>Adaptive radiation and regulatory gene evolution in the Hawaiian Silversword alliance (Asteraceae)</i> 8:40 - S062: Kenneth Olsen, Washington University - <i>Clover cyanogenesis: evolution and ecology of an adaptive polymorphism</i> 9:20 - 10:00 - Coffee Break Outside Ballroom 10:00 - S063: Brandon Gaut, UC, Irvine - <i>A mechanism of selection against transposable elements in Arabidopsis thaliana</i> 10:40 - S064: Tzen-Yuh Chiang, Taiwan - <i>Ecological genomics of Miscanthus (Poaceae), a biofuel plant</i> 11:20 - S065: Leonie Moyle, Indiana University - <i>Insights into the origin of species from Solanum and other plant groups</i></p>	Kalakaua Ballroom B & C
9:30 AM	1:30 PM	Exhibits Open	Exhibit Hall II & III
12:00 PM	1:30 PM	ASPB Executive Committee Meeting/Luncheon	325A
12:00 PM	1:30 PM	PSA Journal of Phycology Editorial Board Luncheon	325B
12:00 PM	1:30 PM	Exclusive Poster Session & Exhibit Session - Open All Posters	Exhibit Hall II & III
1:30 PM	7:30 PM	Exhibitor Breakdown	Exhibit Hall II & III
1:30 PM	4:40 PM	<p>Symposium VII: THE PLANT CELL 20TH ANNIVERSARY Organizer: Cathie Martin, John Innes Centre 1:30 - Cathie Martin - Introduction 1:40 - S071: Kazuo Shinozaki - <i>Transcriptional regulatory network in drought stress response and tolerance (Plant Cell 10: 1391-1406)</i> 2:10 - S072: Karin Schumacher - <i>pH in the endomembrane system: Moving on (Plant Cell 18: 715-730)</i> 2:40 - S073: John Ryals - <i>Systemic acquired resistance (Plant Cell 3: 1085-1094)</i> 3:10 - 3:40 - Coffee Break Outside Ballroom 3:40 - S074: Rick Amasino - <i>Vernalization: remembering winter with an environmentally induced epigenetic switch (Plant Cell 11: 949-956)</i> 4:10 - S075: Rich Jorgensen - <i>Introduction of a chimeric chalcone synthase gene into petunia results in reversible co-suppression of homologous genes in trans. (Plant Cell 2: 279-289)</i></p>	Kalalaua Ballroom B & C
2:00 PM	4:00 PM	<p>PSA Plenary 3 - Coral Reef Ecology 2:00 - P03006: Laurence McCook - <i>Coral reef resilience, degradation and climate change; the role of algal ecology</i> 3:00 - P03005: Mark Hay - <i>Killer seaweeds: variance in allelopathic impacts across coral species, seaweed species, and between the Caribbean and tropical Pacific</i> 3:30 - P03007: Guillermo Diaz-Pulido - <i>Climate change effects on coral reef algae: the missing piece in the future of coral reefs</i></p>	Ni'ihau 312
4:40 PM	6:10 PM	<p>PSA Talks Algal Phylogenetics & Taxonomy-IV 4:40 - P05011: Ed Theriot - <i>A preliminary multigene phylogeny of the diatoms</i> 4:55 - P05025: Elizabeth Ruck - <i>Comparing chloroplast, nuclear, and mitochondrial phylogenies in the Surirellales (Bacillariophyta)</i> 5:10 - P05024: Matt Ashworth - <i>Holes and poles: a molecular approach to the phylogeny of the ocellate and pseudocellate diatoms</i> 5:25 - P05028: Teofil Nakov - <i>Preliminary molecular phylogeny of the Cymbellales (Bacillariophyceae)</i> 5:40 - P05012: Cheong Xin Chan - <i>Rampant gene transfer in dinoflagellates and its implications to the tree of life</i> 5:55 - P05007: Sung Mi Cho - <i>Phylogenetic relationships of Heterokontophyta based on six genes data</i></p>	Ni'ihau 312

Plant Biology 2009 Daily Schedule

TUESDAY, July 21 (continued)

4:40 PM	5:55 PM	<p>PSA Talks</p> <p>Algal Ecology & Population Biology II</p> <p>4:40 - P04010: Michael Stekoll - <i>Competition between and co-existence of algal crusts and subtidal kelps</i></p> <p>4:55 - P04014: Charles Amsler - <i>Filamentous algal endophytes in macrophytic Antarctic algae: prevalence in hosts and palatability to mesoherbivores</i></p> <p>5:10 - P04022: Bruce Parker - <i>Shrinkage and disappearance of Mountain Lake, Virginia, USA</i></p> <p>5:25 - P05001: Poonam Sharma - <i>Studies on the taxonomy and biodiversity of microalgae occurring in fresh water habitats of Shivalik Himalayas of Jammu and Kashmir, India: Applications in aquaculture, pollution and bioremediation.</i></p> <p>5:40 - P04001: Nathan Smucker - <i>Acid mine drainage and remediation impacts on lotic biofilm structure and extracellular enzyme activities during succession</i></p>	Maui 316B
4:40 PM	6:20 PM	<p>Minisymposium 13: Brassinosteroids - Chair: Steven Clouse</p> <p>4:40 - M1301: Yanhai Yin - <i>Network and mechanism of brassinosteroid regulated gene expression and responses in arabidopsis thaliana</i></p> <p>5:05 - M1302: Tae-Wuk Kim - <i>Brassinosteroid signal transduction from cell surface receptor kinases to nuclear transcription factors</i></p> <p>5:30 - M1303: Xuelu Wang - <i>The primary signaling outputs of brassinosteroids are regulated by abscisic acid signaling</i></p> <p>5:55 - M1304: Steven D. Clouse - <i>Receptor kinases involved in brassinosteroid signal transduction phosphorylate protein translation initiation factors</i></p>	Lana'I 314
4:40 PM	6:20 PM	<p>Minisymposium 14: Cytoskeletal Dynamics – Co-chairs: Valerian Dolja & Magdalena Bezanilla</p> <p>4:40 - M1401: William R. Eisinger - <i>Reduction in guard cell microtubule stability correlates with stomatal closure in Arabidopsis</i></p> <p>5:05 - M1402: Chris Staiger - <i>Stochastic dynamics of actin filaments in the cortical array of Arabidopsis epidermal cells</i></p> <p>5:30 - M1403: Luis Vidali - <i>Class II formins and myosin XIs are required for tip growth</i></p> <p>5:55 - M1404: Valerian V. Dolja - <i>Myosin functions in organelle trafficking, F-actin organization, and plant development</i></p>	Kaua'I 311
4:40 PM	6:20 PM	<p>Minisymposium 15: Plant Pathogen Interactions - Chair: Elizabeth Fontes</p> <p>4:40 - M1501: Elizabeth P.B. Fontes - <i>NIK-mediated antiviral signaling, a novel layer of innate plant defenses suppressed by the geminivirus nuclear shuttle protein</i></p> <p>5:05 - M1502: Birgit Schulze - <i>The BAK1-FLS2 receptor complex: Dynamics of heteromerization and phosphorylation in response to flagellin perception</i></p> <p>5:30 - M1503: Ping He - <i>Bacterial Effectors Target A Common Signaling Partner To Impede Host Immunity and Development</i></p> <p>5:55 - M1504: Anneke Prins - <i>The role of protease inhibitors in the hypersensitive response</i></p>	Moloka'I 315
4:40 PM	6:20 PM	<p>Minisymposium 16: Tropisms - Chair: Gabriele Monshausen</p> <p>4:40 - M1601: Miyo T. Morita - <i>SHOOT GRAVITROPISM 9, a novel RING finger protein, is involved in statolith dynamics by modulating interaction between F-actin and amyloplasts.</i></p> <p>5:05 - M1602: Takeshi Yoshihara - <i>LAZY1 belongs to a novel class of genes involved in gravitropic signal transduction in monocot and dicot plants</i></p> <p>5:30 - M1603: Gabriele B. Monshausen - <i>Basipetal migration of Ca²⁺ and pH waves during the graviresponse of Arabidopsis roots</i></p> <p>5:55 - M1604: Yutaka Miyazawa - <i>Identification of genes responsible for root hydrotropism in Arabidopsis roots</i></p>	Maui 316A
4:40 PM	6:20 PM	<p>Minisymposium 17: Mineral Nutrition - Chair: Li Li</p> <p>4:40 - M1701: Li Li - <i>A broccoli COQ5 methyltransferase involved in ubiquinone biosynthesis mediates selenium volatilization</i></p> <p>5:05 - M1702: Jason D. Gillman - <i>Identification of the molecular basis of the seed low phytic acid phenotype in soybean line CX1834</i></p> <p>5:30 - M1703: Yi-Fang Tsay - <i>Mutation of the Arabidopsis NRT1.5 nitrate transporter causes defective root-to-shoot nitrate transport.</i></p> <p>5:55 - M1704: Narayanan N. Narayanan - <i>Functional Characterization of a Novel Iron Transporter, FEA1, from Chlamydomonas reinhardtii and its Application for Iron-Specific Metal Uptake in Plants</i></p>	Maui 316C
4:40 PM	6:20 PM	<p>Minisymposium 18: Photosynthesis - Chair: Thomas Brutnell</p> <p>4:40 - M1801: Sungsoon Park - <i>REP27, a thylakoid membrane protein functioning in the D1/32 kD reaction center protein turnover and PSII repair from photodamage</i></p> <p>5:05 - M1802: Shizue Matsubara - <i>Acclimation and adaptation of leaf carotenoid composition and biosynthesis in tropical plant species</i></p> <p>5:30 - M1803: Tammy L. Sage - <i>The functional anatomy of rice leaves: implications for refixation of photorespiratory CO₂ and efforts to engineer C₄ photosynthesis into rice.</i></p> <p>5:55 - M1804: Thomas P. Brutnell - <i>A systems approach to understanding C₄ photosynthetic differentiation in maize</i></p>	313A
6:30 PM	8:30 PM	<p>PSA Banquet (ticket required)</p> <p>Busses will pick up from the convention center at 6:00 pm and at 6:15 pm and return to the center at 9:15 pm and 9:30 pm.</p>	Waikiki Aquarium
7:30 PM	10:00 PM	<p>Final Party</p>	Hilton Lagoon

Plant Biology 2009 Daily Schedule

WEDNESDAY, July 22

Start Time	End Time	Event/Item	Location
7:00 AM	2:00 PM	Poster Open – remove posters by 2 PM, posters left will be discarded	Exhibit Hall II & III
8:00 AM	12:00 PM	Registration Open	HaExhibit Hall II & III
8:30 AM	12:30 PM	Symposium VIII: JOINT ASPB-PSA-NSF RCN PORPHYRA - PORPHYRA: A CROP OF THE SEA Organizer: Susan Brawley, University of Maine 8:30 - S081: Susan Brawley, University of Maine, Orono - <i>The crop and the organism</i> 9:00 - S082: Juliet Brodie, Natural History Museum, London - <i>Porphyra: modern systematics interprets an ancient lineage</i> 9:40 - S083: Mariana Cabral de Oliveira, University of São Paulo, São Paulo - <i>Mobil'omics in Rhodophyta: what can we learn from Porphyra genome</i> 10:15 – 10:40 Coffee Break Outside Ballroom 10:40 - S084: Koji Mikami, University of Hokkaido, Hakodate - <i>Development and use of transient gene expression systems in Porphyra yezoensis</i> 11:15 - S085: Arthur Grossman, The Carnegie Institution of Washington, Stanford - <i>Using molecular and genomic tools to probe acclimation and developmental processes in algae</i> 11:50 - S086: John Stiller, East Carolina University, Greenville - <i>Porphyra genomics: Unraveling mysteries of ancient developmental evolution</i>	Kalakaua Ballroom B & C
8:30 AM	10:10 AM	Minisymposium 19: Jasmonates - Chair: Juergen Engelberth 8:30 - M1901: Juergen Engelberth - <i>Activity profiling of green leafy volatiles</i> 8:55 - M1902: Tayana V. Savchenko - <i>Role of fatty acid-based signaling in coordinating plant stress responses</i> 9:20 - M1903: Abraham J.K. Koo - <i>Wound-induced systemic synthesis of bioactive jasmonates in arabidopsis</i> 9:45 - M1904: John C. Withers - <i>Structure-function analysis of coronatine-mediated formation of the COI1:JAZ receptor complexes and their contribution to the pathogenicity of pseudomonas syringae</i>	Lana'I 314
8:30 AM	10:10 AM	Minisymposium 20: Crop Improvement - Chair: David Christopher 8:30 - M2001: Mark E. Westgate - <i>Elemental processes controlling soybean seed composition</i> 8:55 - M2002: Kelly M. Gillespie - <i>Elevated carbon dioxide and ozone concentrations alter soybean antioxidant metabolism</i> 9:20 - M2003: Abul K. Mandal - <i>Development of a new variety of rice for effective prevention of people and their environment from arsenic contamination</i> 9:45 - M2004: Kristie O. Matsumoto - <i>An extended AE-rich N-terminal trunk in secreted pineapple cystatin enhances inhibition of bromelain and is post-translationally removed during fruit ripening</i>	Kaua'I 311
8:30 AM	10:10 AM	Minisymposium 21: Non-coding Regulatory RNAs - Chair: Lila Vodkin 8:30 - M2101: Liang Song - <i>Characterization of pri-miRNA structures important for efficient miRNA processing in Arabidopsis thaliana</i> 8:55 - M2102: Lorenz Buelow - <i>Bioinformatic prediction of target genes for proposed small activating RNAs in Arabidopsis thaliana</i> 9:20 - M2103: Melissa D. Lehti-Shiu - <i>Abundant novel small protein and non-coding RNA genes in the Arabidopsis thaliana genome</i> 9:45 - M2104: Lila Vodkin - <i>Flux in the coding and small RNA transcriptomes during soybean seed and seedling development</i>	Moloka'I 315
8:30 AM	10:10 AM	Minisymposium 22: Intracellular Signalling - Chair: Cheolmin Yoo 8:30 - M2201: Xing-guo Lan - <i>A J domain protein that physically interacted with ARC1 is involved in pollination response in Brassica stigma</i> 8:55 - M2202: Yan Zhang - <i>Lipid raft-mediated internalization of arabidopsis pollen-specific receptor kinase PRK2a regulates polarized growth of pollen tubes through spatiotemporal activation of small GTPase ROP</i> 9:20 - M2203: Gregory L. Richter - <i>Mechanically induced Ca²⁺ transients may play a role in curve-associated lateral root initiation.</i> 9:45 - M2204: Cheolmin Yoo - <i>Altered root hair polarity of the arabidopsis thaliana agd1 mutant is associated with defects in various components of the tip growth machinery</i>	Maui 316A

Plant Biology 2009 Daily Schedule

WEDNESDAY, July 22 (continued)

8:30 AM	10:10 AM	<p>Minisymposium 23: Vegetative Development - Chair: Kathy Barton 8:30 - M2301: Kathryn Barton - <i>Using oppositely acting transcription factors to identify components of the ad/abaxial network of Arabidopsis</i> 8:55 - M2302: Derek W.R. White - <i>PEAPOD limits and coordinates vascular procambium activity and stomatal density in Arabidopsis</i>. 9:20 - M2303: Maureen C. McCann - <i>Functions of rhamnogalacturonan-I in plant growth</i> 9:45 - M2304: Eric Engstrom - <i>Arabidopsis orthologs of the Petunia HAM mutant regulate meristem indeterminacy, organ generation and growth in both the shoot and the root.</i></p>	Maui 316C
8:30 AM	10:10 AM	<p>Minisymposium 24: Cell Walls - Chair: Allan Showalter 8:30 - M2401: Markus Pauly - <i>The substitution pattern of plant cell wall cross-linking glycans is determined by apoplastic glycosidases</i> 8:55 - M2402: Allan M. Showalter - <i>Identification and characterization of hydroxyproline β-galactosyltransferase activity involved in arabinogalactan-protein biosynthesis in tobacco and Arabidopsis</i> 9:20 - M2403: Patrick T. Martone - <i>'Lignified' seaweeds: mechanical consequences of cell wall elaboration in a red alga</i> 9:45 - M2404: Daniel L. Mullendore - <i>A new method to investigate the cell wall of living cells by high-resolution scanning electron microscopy</i></p>	O'ahu 313A
10:10 AM	10:40 AM	Coffee Break	Ala Halawai Concourse
10:40 AM	12:20 PM	<p>Minisymposium 25: Cell to Cell Communication - Chair: David Jackson 10:40 - M2501: David P. Jackson - <i>Regulation of KNOTTED1 cell-to-cell trafficking by a chaperonin protein</i> 11:05 - M2502: Jae-Yean Kim - <i>Dof transcription factors: to move or not to move, that is the question</i> 11:30 - M2503: Linq Han - <i>New insights into the CLAVATA signal transduction pathway</i> 11:55 - M2504: Gad Miller - <i>Reactive oxygen species mediate a rapid systemic signal in Arabidopsis thaliana.</i></p>	Lana'I 314
10:40 AM	12:20 PM	<p>Minisymposium 26: Transcriptional and Post-transcriptional Regulation - Chair: Christoph Peterhansel 10:40 - M2601: Wen-hui Shen - <i>Histone methylation and histone ubiquitylation in regulation of gene transcription, plant growth and development</i> 11:05 - M2602: Christoph Peterhansel - <i>Signal integration on chromatin: The histone language of photosynthetic gene expression in maize</i> 11:30 - M2603: Yoo-Sun Noh - <i>The RNA-Binding Protein ELF9 Directly Reduces SOC1 Transcript Levels through Nonsense-Mediated mRNA Decay in Arabidopsis</i> 11:55 - M2604: Q. Quinn Li - <i>Calcium signaling and the role of a polyadenylation factor in plants response to environment</i></p>	Kaua'I 311
10:40 AM	12:20 PM	<p>Minisymposium 27: Bioenergy Crops - Chair: Frank Dohleman, ASPB Ambassador 10:40 - M2701: Leyla T. Hernandez-Gomez - <i>Development of Dunaliella strains for enhanced biofuel feedstock production.</i> 11:05 - M2702: Rui Zhou - <i>A functional genomics approach to understanding and remodeling plant cell walls of bioenergy crops</i> 11:30 - M2703: Jaemo Yang - <i>Controlled silencing of 4-Coumarate:Coenzyme A Ligase alters lignocellulose composition.</i> 11:55 - M2704: Frank G. Dohleman - <i>Sixty percent more productive than maize in the Midwest! How does Miscanthus do it?</i></p>	Moloka'I 315
10:40 AM	12:20 PM	<p>Minisymposium 28: Rhythms - Chair: Shu-Hsing Wu 10:40 - M2801: Shu-Hsing Wu - <i>Two new clock proteins, LWD1 and LWD2, regulate Arabidopsis photoperiodic flowering</i> 11:05 - M2802: Norihito Nakamichi - <i>Pseudo-response Regulator 9, 7 and 5 are repressors of CCA1 and LHY transcription in arabidopsis circadian clock</i> 11:30 - M2803: Sergei A. Filichkin - <i>Diurnal and circadian transcript profiling defines functionally conserved key clock regulated genes among arabidopsis, rice, and poplar</i> 11:55 - M2804: C. Robertson McClung - <i>Natural allelic variation in circadian clock function in brassica rapa</i></p>	Maui 316A
10:40 AM	12:20 PM	<p>Minisymposium 29: Protein Trafficking - Chair: Bonnie Bartel 10:40 - M2901: Tishiaki Mitsui - <i>Plastid-targeting of rice alpha-amylase glycoprotein from the Golgi apparatus through the secretory pathway</i> 11:05 - M2902: Naxhiely Martinez - <i>Interdependence of the PEX5 and PEX7 peroxisome-targeting receptors in Arabidopsis thaliana</i> 11:30 - M2903: Sundaram Kuppu - <i>The Arabidopsis ankyrin repeat-containing protein 2A is an essential molecular chaperone for the biogenesis of a class of membrane-bound proteins and it plays an important role in plant growth and development</i> 11:55 - M2904: Rosa Lopez-Marques - <i>Lipid pumps required for endocytosis and formation of secretory vesicles</i></p>	Maui 316C

Plant Biology 2009 Daily Schedule

WEDNESDAY, July 22 (continued)

10:40 AM	12:20 PM	Minisymposium 30: Programmed Cell Death & Senescence - Chair: Julie Stone 10:40 - M3001: Julie M. Stone - <i>Sphingolipids and programmed cell death in Arabidopsis thaliana</i> 11:05 - M3002: Gerald A. Berkowitz - <i>Leaf senescence signaling: Ca²⁺ accumulation mediated by Arabidopsis cyclic nucleotide gated channel2 acts through nitric oxide to repress senescence programming</i> 11:30 - M3003: Judy A. Brusslan - <i>A bioinformatics/genetic approach to identify chloroplast proteases that degrade chloroplast proteins during leaf senescence in Arabidopsis</i> 11:55 - M3004: Susheng Gan - <i>Plant senescence: a paradigm of translational plant sciences</i>	O'ahu 313A
12:30 PM	1:30 PM	ASPB Annual Business Meeting	Lana'i 314
12:30 PM	1:30 PM	PSA Annual Business Meeting	Ni'ihau 312
2:00 PM	5:05 PM	Symposium IX: PRESIDENT'S SYMPOSIUM - Biological Networks Organizer: Sarah Assmann, Penn State University 2:00 Sarah Assmann - <i>Introduction</i> 2:05 - S091: Reka Albert, Ph.D. and Sarah M. Assmann, Ph.D., Pennsylvania State University - <i>Boolean modeling of microarray data reveals modes of heterotrimeric G protein action</i> 2:45 - S092: Nicholas J. Provart, Ph.D., University of Toronto, Canada - <i>Biological networks for hypothesis generation in plant biology using large-scale data sets</i> 3:25 – 3:55 Coffee Break Outside Ballroom 3:55 - S093: Joel S. Bader, Ph.D. Johns Hopkins University, - <i>Surfing the web of biological interactions</i> 4:30 - S094: Elena R. Alvarez-Buylla, Ph.D., UNAM-Instituto de Ecologia, Mexico - <i>Flower evo-devo: a conserved theme and an exception from the Mexican tropics</i>	Kalakaua Ballroom B & C

Plant Biology 2009 Daily Schedule**THURSDAY, July 23**

Start Time	End Time	Event/Item	Location
8:00 AM	8:00 PM	Bridging the Roadmap to C4- a one day workshop dedicated to engineering C4 photosynthesis in C3 plants <i>(NOTE: This event is separate from PB 09 and requires separate pre-registration)</i>	Kalia Conference Center – Hilton Hibiscus Suite
8:00 AM		PSA Marine Algae Field Trip <i>(Requires a pre-purchased ticket)</i> Field trip participants will be picked up in front of the convention center at 8:00 am & will return to the Univ. of HI at 3:00 pm for processing collections, shuttles will return attendees to the convention center.	
8:00 AM		PSA Fresh Water/Terrestrial Algae Field Trip <i>(Requires a pre-purchased ticket)</i> Field trip participants will be picked up in front of the convention center at 8:30 am & will return to the Univ. of HI at 3:30 pm for processing collections, shuttles will return attendees to the convention center.	