

NEASPB | Northeast Regional
2017 | American Society
of Plant Biologists
Conference

Yale University • New Haven, CT

April 22-23, 2017



American Society
of Plant Biologists

Cultivating a better future through plant biology research.



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Addendum



Poster Session

	Presenter	Organization	Poster Title
1	Chin-Mei Lee	Yale University	F-box decoys reveal the genetic and biochemical roles of plant E3 ubiquitin ligases in plant circadian clock
2	Harry Klein	University of Massachusetts Amherst	The rapunzel (rzl) Genes Regulate Growth Suppression in Maize Florets
3	Sydney O'Shaughnessy	Ithaca College	A Physiological Approach to Understand Invasiveness of <i>Scaevola taccada</i> in Coastal Habitats on the Islands of Puerto Rico
4	Ann Feke	Yale University	The ZTL Kelch-Repeat Domain is Involved in E3-ligase Dimerization and Substrate Recognition
5	Christopher Adamchek	Yale University	Circadian F-box Decoy Protein TLP2 Provides a Novel link to Endoreduplication and Cellular Expansion
6	Adriana Morales	Ithaca College	Population Genetics of <i>Scaevola</i> in the islands of Puerto Rico
7	Ahmed Ali	UMass Amherst	Characterization of Plasma Membrane Intrinsic Protein Members PIP1-3 and PIP2-6, and Its Roles in Arsenic and Boron Transport in Rice Plants
8	Alaaeldin Helaly	Stockbridge School of Agriculture - UMass Amherst	Phytochemical Analysis and Yield Characterization of Eight <i>Cichorium intybus</i> L. Landraces
9	Alaaeldin Helaly	Stockbridge School of Agriculture - UMass Amherst	Impact of Mycorrhizae and Polyethylene Mulching on Growth, Yield and Seed Oil Production of Bottle Gourd (<i>Lagenaria siceraria</i>)
10	Alaaeldin Helaly	Stockbridge School of Agriculture - UMass Amherst	Enhancement Growth, Yield Production and Yield Quality of Kale Plants by Using Plant Growth Promoting Bacteria

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11	Sophie LaRoche	SUNY Cobleskill	Development of a Nematode Resistance cultivar of Glycine max Via Agrobacterium-Mediated Transformation of the Cysteine Protease Inhibitor 1 Gene
12	Yao Chen	SUNY Cobleskill	Development of Drought and Salinity Tolerance cultivar of Panicum virgatum by Over Expressing SIZ1 E3 Ligase Gene
13	Wanlu Zeng	SUNY Cobleskill	Development of Drought and Stress Tolerant Switchgrass (Panicum virgatum L) Cultivar Via Agrobacterium-mediated Transformation of a Bacterial Choline Oxidase A Gene (CoxA)
14	Kai Yuan	SUNY Cobleskill	Development of a Drought and Stress Tolerant Switchgrass (Panicum virgatum L.) Cultivar by Agrobacterium-Mediated Transformation of the InsP-5-Ptase Gene
15	Dhanasekaran Dharumadurai	Department of Microbiology Bharathidasan University	Diversity of Frankia from the actinorhizal plant Casuarina equisetifolia, South India
16	Adam Saffer	Yale University	Rhamnose-Containing Cell Wall Polymers Suppress Helical Plant Growth Independently of Microtubule Orientation
17	Analysa Frederick	State University of New York at Cobleskill	Over Expression of Valerophenone Synthase (VPS) in Humulus Lupulus (Hops) for Enhanced Lupulin Production
18	Chuan-Jie Zhang	University of Connecticut	Evaluation of Camelina species life histories for ecological risk assessment
19	Benoit Lacroix	Stony Brook University	T-DNA Transfer Mediated by Rhizobium etli and Regulation of its Virulence Genes
20	Navindra Tajeshwar	Adelphi University	Effect of Plant Hormone Cytokinin on Green Algae Chlorella vulgaris
21	Trevor Donnelly	Merrimack College	The Impact of Silver Nanoparticles on Plant Physiological Responses
22	Xingxing Li	University of Rhode Island	Functional Analysis of Cellulose Synthase (CESA) Isoforms Provides Insight into the Composition of Cellulose Synthase Complexes (CSCs) in Physcomitrella patens
23	Robert Grebenok	Canisius College	Determination of Sterol Species and Levels that Provide Localized Enhancement of Electron

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			Transport Rates in Tobacco Thylakoid Membranes
24	Robert Grebenok	Canisius College	Cholesterol Oxidase Expressed in the ER of <i>A. thaliana</i>
25	Patrick Treffon	University of Massachusetts Amherst	Posttranslational Modification of Cysteines by Reactive Nitrogen Species - Linking S-nitrosoglutathione Reductase (GSNOR) to Redox Homeostasis
26	T. Page Owen	Connecticut College	Comparison of Nepenthes Nectary Glands at Three Locations
27	Maria Buanafina	Pennsylvania State University	The Impact of Reduced Cell Wall Feruloylation on Cell Wall Turnover and Plant Growth
28	Camille Martin	Northeastern University	Investigating the Transcriptional Regulation of Alkaloid Biosynthesis in <i>Catharanthus roseus</i> Hairy Root Cultures
29	Casey Lewicki	Pennsylvania State University	The impact of reduced cell wall feruloylation in flowering stems of <i>Brachypodium distachyon</i>
30	Lianna Wodzicki	Penn State University	Effect of Auxin Antagonist PEO-IAA on Aphid Feeding Behavior and Fecundity
31	Arielle Chaves	University of Rhode Island	Determinants of Cellulose Synthase (CESA) Class-Specific Function in <i>Physcomitrella patens</i>
32	Wei Liu	Yale University	Characterization of a Novel Circadian Clock Regulator in <i>Arabidopsis</i>
33	Wei Liu	Yale University	Characterization of a Novel Circadian Clock Regulator in <i>Arabidopsis</i>
34	Brenden Barco	Yale University	Evolution and Transcriptional Regulation of a Novel Secondary Metabolic Pathway in <i>Arabidopsis thaliana</i>
35	Samuel Breselge	Northeastern University	Effect of the Promoter on Long-term Expression Stability in <i>Chlamydomonas reinhardtii</i>
36	Ramis Saleem	Eastern Connecticut State University	Characterization of <i>Medicago truncatula</i> Mutants Defective in Symbiotic Nitrogen Fixation
37	Jie Dong	Yale University	Plant seedlings emerging from darkness into the light environment undergo photomorphogenesis.

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38	Chandra Ganash	UMass Amherst	Expression analysis of three <i>Arabidopsis thaliana</i> S-adenosylmethionine decarboxylase genes in response to abiotic stress
39	Hesham Abdullah	UMass Amherst	TBA
40	Taylor Hoffman	Old Westbury	norgDNA to Cannabis Genomes
41	Fei Zhang	Yale University	Citrus thorn: an emerging model system for vegetative meristem determinacy
42	Wei Li/Yi Li	University of Connecticut	An <i>AGAMOUS</i> intron-driven cytotoxin leads to flowerless tobacco and produces no detrimental effects on vegetative growth of either tobacco or poplar
43	Hesham Abdullah	University of Massachusetts Amherst	Differential metabolite and transcript profiles during seed development in the oilseed crop <i>Camelina sativa</i>
44	Saima Shahid	Penn State University	Characterization of Plasma Membrane Intrinsic Protein Members PIP1-3 and PIP2-6, and Its Roles in Arsenic and Boron Transport in Rice Plants
45	Kathleen Hefferon	UMass Amherst	Plant Virus Nanoparticles: New Applications for Developing Countries
46	Matthew Grasso	University of Vermont	Engineering Mechanically Tunable Microenvironments for Individual Plant Cells
47	Gabriella Angelini	University of New Hampshire	Protein Phosphatase 2A Regulates Root Response to Salt Stress in <i>Arabidopsis thaliana</i> via a Cytoskeleton-Dependent Mechanism
48	Amanda Schragel Lavelle	UMass Amherst	Variable protein-protein interactions in maize B-Class MADS box transcription factors.
49	Tobias Baskin	University of Massachusetts	On the Stability of Zonation in the Root Growth Zone
50	Vijaykumar Veerappan	Eastern Connecticut State University	Forward Genetic Characterization of Tnt1 Mutants Defective in Nodule Development and Symbiotic Nitrogen Fixation in the Model Legume <i>Medicago truncatula</i>
51	Alexander Heyl	Adelphi University	Evolutionary Patterns in the Perception and Signal Transduction of Cytokinin
52	Jimi Miller	Yale University	A Novel Negative Regulatory Protein Mechanism to Maintain Immune Homeostasis

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53	Gonzalo Villarino	Yale University	Epigenetic Regulation of DNA Replication by Histone H3 Variants
54	Peter Melcher	Ithaca College	A Physiological Approach to Understand Invasiveness of <i>Scaevola taccada</i> in Coastal Habitats on the Islands of Puerto Rico
55	Allison Oakes	SUNY-ESF	The Return of the American Chestnut
56	Man Wah Li	Yale University	The Possible Roles of Pseudo Response Regulator 3 in Soybean Domestication
57	Yanjun Li	University of Connecticut	Production and High Throughput screening of Non-transgenic Mutant Plants Resulted from Agrobacterium-mediated Transient CRISPR/Cas9 Expression
58	Jay Wason	Yale University	Hydraulic Safety Margins in Roots, Trunks, Branches, and Petioles of Northern Hardwood Trees
59	Adam Roddy	Yale University	Hydraulic tradeoffs in the evolution and diversification of angiosperm flowers
60	Courtney Devoid	University of Rhode Island	Conserving Monarchs and Milkweed: The Effects of Environmental Changes on Native <i>Asclepias syriaca</i> Populations
61	Sefali Acharya	Institute of Life Sciences	Designing and Testing Efficient Promoters for Enhanced Molecular Farming of Life Saving Therapeutics in Plants
62	Robert Orr	Worcester Polytechnic Institute	Myosin XI Transport Mechanism Is Conserved between the Moss <i>Physcomitrella patens</i> and the Flowering Plant <i>Arabidopsis thaliana</i> .
63	Guilia Galotto	Worcester Polytechnic Institute	Unraveling Myosin XI function in <i>Physcomitrella patens</i> Tip Growth by Conditional Mutagenesis
64	Karen Peralta	Bucknell University	Cytokinin Regulation of Chloroplast Movement in <i>Ceratopteris richardii</i>
65	Sandra Romero-Gamboa	University of Massachusetts Amherst	GRASS NAC REPRESSOR OF FLOWERING is a Transcriptional Regulator of Secondary Cell Wall Biosynthesis and Flowering in <i>Brachypodium distachyon</i>
66	Narender Kumar	Louisiana State University	Physiological and structural adaptations of the extremophyte model, <i>Shrenkiella parvula</i> to salt stress
67	Jonathan Mahoney	University of Connecticut	Adventitious Shoot Regeneration from in vitro Leaves of <i>Aronia × mitschurinii</i> and Cotyledons of

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			Closely Related Pyrinae Taxa
68	Joshua Coomey	University of Massachusetts Amherst	KNOTTED-LIKE OF BRACHYPODIUM 7 (KNOB7) is a Class II KNOX Gene and Putative Repressor of Secondary Cell Wall Biosynthesis in the Model Grass <i>Brachypodium distachyon</i> .
69	Diana Benal-Franco	Northeastern University	In planta analysis of the promoter activity of ZCT1, a transcriptional repressor of alkaloid biosynthesis in <i>Catharanthus roseus</i>
70	Annasamy Chandrakala	University of New Hampshire	Expression analysis of three <i>Arabidopsis thaliana</i> S-adenosylmethionine decarboxylase genes in response to abiotic stress

Talks

Sunday April 23, 2017

9:30-9:45	Speaker 5: Christos Noutsos , SUNY at Old Westbury College <i>Affects of norgDNA into Cannabis genomes</i>	OML 202
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