

"XVIII National Plant Biochemistry and Molecular Biology Congress - XI Symposium México-USA & 1st. ASPB Mexico Section Meeting"



XVIII
National Plant Biochemistry
and Molecular Biology Congress

XI
Symposium
México-USA

1st
ASPB México
Section Meeting

Monday, Oct 28		Tuesday, Oct 29		Wednesday, Oct 30		Thursday, Oct 31	
		Genetic improvement, from natural variation to new technologies		Plant Development & Phenomics		Plant stress responses: common challenges for the US and Mexico	
		Tulum & Kabah Hall		Tulum & Kabah Hall		Tulum & Kabah Hall	
		Fernando Rivadavia - Coffee Talk Illumina-Analitek "Genomic selection & Genotyping technologies"		Mario Muñoz - Olympus America "Innovations in Olympus Confocal Microscopy"		Ramiro Lascano "Plant environment interactions: the redox connection and autophagy involvement"	
		Donald Richard Ort "Improving photosynthetic efficiency for improved crop yield"		Michael J. Scanlon "How leaves grow wide: NARROWSHEATH1 controls mediolateral outgrowth of lateral organs"		Patricia Coello "Participation of SnRK1 kinases in plant energy signaling"	
		June K. Simpson Williamson "Unlocking the potential of Agave species as sustainable crops for marginal lands under a changing climate"		Jaimie M. Van Norman "IRK, a transmembrane receptor kinase, is polarly localized and represses root ground tissue cell divisions"		Rafael Rivera Bustamante "Capsicum-geminivirus interaction: Comparison of two resistance mechanisms"	
		Blake Meyers "PhosIRNAs as modulators of traits in plants"		Argelia Lorence "Leveraging Phenomic Approaches to Accelerate the Development of More Resilient Crops"		Coffee Break	
		Coffee Break		Coffee Break		Katayoon Dehesh "How Interganellar communication regulates plant stress responses"	
		Daniel Harrison Chitwood "Topological Data Analysis (TDA) as a method to comprehensively measure the plant form"		Mario Arteaga "DICER-mediated Reprogramming of Cell Fate Specification in Marchantia polymorpha"		Mario Serrano "Rare-earth elements and their role in the battle between plants and Botrytis cinerea"	
		César Petrolli "Genetic diversity in world's largest wheat collection may hold the key to food security"		David Jackson "An unexpected role of trehalase phosphate phosphatases in meristem determinacy"		César Luis Cuevas Velázquez "Development of plant intrinsically disordered proteins-based fluorescence biosensors to track the osmotic environment"	
		Carlos Humberto Ortiz Ramirez "A new model of root development revealed by CRISPR and Single-Cell RNA Seq"		Ulises Rosas "Genetic basis of domesticated traits in date palm (Phoenix dactylifera)"		Lunch	
		Flash Talks		Flash Talks		5 Stress responses and climate change Moderator: Gladys Cassab	
		Lunch		Lunch		6 Epigenetics Moderator: Jose Luis Reyes	
Maya Hall		1 Development and organ specification Moderator: Nayelli Marsch		3 Regulation of Gene expression Moderator: Enrique Castaño		4 Plant-Microbe Interactions Moderator: Georgina Hernández	
		Tulum Hall		Tulum Hall		Tulum Hall	
		Kabah Hall		Kabah Hall		Kabah Hall	
		Escobar-Tovar, L.		Castaño E.		Hernández G.	
		14:30 14:50 "Signals back and forth: the epistasis of plastid transition and the Apocateronid Signal 1 (ACS1) in leaf development"		14:30 14:50 "Evolution and function of fibrillar in plants"		14:30 14:50 "The common bean - Rhizobium etli Nitrogen Fixing Symbiosis: deciphering novel regulatory pathways"	
		Durán, Y.		Jiménez-Morales, E.		Nova-Franco, B.	
		14:50 15:10 "BOL modulates gynoecium development and its cytokinin response"		14:50 15:10 "A singular genetic trick in the course of evolution protects Arabidopsis thaliana from drought stress"		14:50 15:10 "A WRKY transcription factor required for nodule development and symbiotic nitrogen fixation in Medicago truncatula"	
		Shishkova, S.		Juárez-González, VT.		Oswaldo Valdés-López	
15:00 18:00 Registration		15:10 15:30 "Uncovering the genetic regulation of determinate root growth in Cactaceae"		15:10 15:30 "Little-Big Guardians of Dedifferentiation: sRNA impact on Maize Somatic Embryogenesis"		15:10 15:30 "Early Phosphorylated Protein1: A Novel Positive Regulator of the legume-rhizobia symbiosis"	
		Alatorre-Cobos, F.		Romo-Avalos A.		Solís-Miranda, J.	
		15:30 15:50 "Genomics of cellulose and lignin biosynthesis in Agave tequilana Weber"		15:30 15:50 "Functional analysis of geminivirus promoters for overexpression of recombinant proteins of pharmaceutical interest in Chlamydomonas reinhardtii"		15:30 15:45 "Exploring the roles of the RALF-FER-RIPK signaling during the symbiosis of common bean with rhizobia"	
		Abraham-Juárez M.J.		Brieba L.G.		Camarena-Pozos	
		15:50 16:10 "Differential expression and interaction profiles of maize MADS-box dimer evolutionary variants"		15:50 16:10 "Plant mitochondrial DNA replication: between recombination and origin dependent replication mechanisms mediated by unique enzymes"		15:45 16:00 "Microbial volatile organic compounds in desert plants: identification, function and biotechnological application"	
		Torres-Martínez H.H.		Garza-Aguilar SM		Morales-Ruiz, E.	
		16:10 16:30 "Lateral root formation in Arabidopsis thaliana starts from a single founder cell: new insights into initiation process"		16:10 16:30 "The complexity of folate polyglutamylation in plants: ripening and ethylene modulate polyglutamylated profiles in climacteric fruits plus systematic analysis of the glutamyl tail-editing enzymes"		16:00 16:15 "Study of a plant - pathogen - endophyte interaction: the case of maize - Fusarium verticillioides - Bacillus cereus B25"	
Tulum & Kabah Hall		Coffee Break		Maya Hall		Tulum & Kabah Hall	
18:15 18:30 Welcome & Opening		Having Coffee with...		Puch-Hau, C. "Unveiling the microbiome of Haplaxius crudus: the coconut lethal yellowing phytoplasma vector"		17:00 17:45 Business Meeting	
		Uxmal Hall		Coffee Break		Keynote Lecture	
Keynote Lecture Virginia Walbot "Specification and differentiation of meiotic and somatic cells in maize anthers"		17:00 19:00 Posters - Odd numbers		16:30 17:00 Uxmal Hall		17:45 18:45 "The relevance of carbon distribution towards reproductive organs in the resistance to terminal drought of common bean cultivars"	
Patio Central		Keynote Lecture		Tulum & Kabah Hall		Closure & Awards	
19:30 21:00 Welcome Cocktail		19:00 20:00 Stefan De Folter "The integration of transcription factor and hormone signalling functions during gynoecium development"		17:00 19:00 Posters - Even numbers		18:45 19:00	
				Tulum & Kabah Hall		21:00 23:59 Gala Dinner	
				Jen Sheen "Probing the universal energy-stress signaling network"			