"XVIII National Plant Biochemistry and Molecular Biology Congress - XI Symposium México-USA & 1st. ASPB Mexico 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				Plan	Plant stress responses: common challenges for the US and Mexico			
					Tulum & Kabah	Tulum & Kabah Hall		Tulum &	& Kabah Hall			Tulum & Kabal	h Hall	
					Fernando Rivadavia - Coffee Talk Illumina-Analitek		Ma		Muñoz - Olympus America			Ramiro Lascano		
				08:30 09:00	"Genomic selection & Genotyping technologies"		08:30 09:00	"Innovations in	Olympus Confi	ocal Microscopy"	09:00 09:30	"Plant environment interactions: the redo	ox connection and autophagy involvement"	
					Donald Richard Ort			Michael J. Scanlon			Patricia Coello			
				09:00 09:30	"Improving photosynthetic efficiency for improved crop yield"		09:00 09:30	"How leaves grow wide: NARROWSHEATH1 controls mediolateral outgrowth of lateral organs"		09:30 10:00	"Participation of SnRK1 kinases in plant energy signaling"			
,			Biochemistry Biology Congress		June K. Simpson Williamson			Jaimie M. Van Norman			Rafael Rivera Bustamante			
		XVIII		09:30 10:00	changing climate" Blake Meyers		09:30 10:00	"IRK, a transmembrane receptor kinase, is polarly localized and represses root ground tissue of divisions" Argelia Lorence "Leveraging Phenomic Approaches to Accelerate the Development of More Resilient Crops"		ized and represses root ground tissue cell	10:00 10:30	"Capsicum-geminivirus interaction: Comparison of two resistance mechanisms"		
										e	10:30 11:00	Coffee	e Break	
		and Molecular		10:00 10:30			10:00 10:30			Development of More Resilient Crops"		Katayoo	on Dehesh	
A70		VT	1 ct	10:30 11:00	Coffee Break		10:30 11:00		offee Break		11:00 11:30	"How Interorganellar communication regulates plant stress responses"		
		XI	ASPB México Section Meeting		Daniel Harrison Chitwood			Mario Art				Mario Serrano		
		Symposium México-USA		11:00 11:30	"Topological Data Analysis (TDA) as a method	to comprehensively measure the plant form"	11:00 11:30	"DICER-mediated Reprogramming o	f Cell Fate Spe	ification in Marchantia polymorpha"	11:30 12:00	"Rare-earth elements and their role in the	battle between plants and Botrytis cinerea"	
		Wexico-O3A			César Petroli			David Jack		1		César Luis Cuevas Velázquez		
				11:30 12:00	"Genetic diversity in world's largest wheat collection may hold the key to food security"		11:30 12:00	"An unexpected role of trehalose phosph		osphate phosphatases in meristem determinacy"		"Development of plant intrinsically disordered proteins-based fluorescence biosensors to track the osmotic environment"		
					Carlos Humberto Ortíz Ramírez			Ulis		Ulises Rosas				
				12:00 12:30	"A new model of root development reve	aled by CRISPR and Single-Cell RNA Seq"	12:00 12:30	"Genetic basis of domesticat	ed traits in da	e palm (Phoenix dactylifera)"	12:30 14:30	LU	nen	
				12:30 13:00	Flash Talks		12:30 13:00		Flash Talks			5 Stress responses and climate change	6 Epigenetics	
		Maya Hall		13:00 14:30	Lun		13:00 14:30		Lunch			Moderator: Gladys Cassab	Moderator: Jose Luis Reyes	
					1 Development and organ specification	2 Signal Transduction		3 Regulation of Gene expression		4 Plant-Microbe Interactions		Tulum Hall	Kabah Hall	
					Moderator: Nayelli Marsch	Moderator: Marina Gavilanes		Moderator: Enrique Castaño	4	Moderator: Georgina Hernández	14:30 14:50	Bernal, L.	Trejo-Arellano, M.S.	
					Tulum Hall	Kabah Hall		Tulum Hall		Kabah Hall		"Carbon metabolism in bean pods during seed development"	"The Arabidopsis methylome is robust to dark- induced senescence"	
					Escobar-Tovar, L.	Ek-Ramos, M.J.		Castaño E.		Hernández G.		Mery Nair Saenz	Clelia De la Peña	
				14:30 14:50					14:30 14:50		14:50 15:10	"Analysis of the hydrotropic root response and		
					"Signals back and forth: the epistasis of plastid translation and the ApoCarotenoid Signal 1 (ACS1) in leaf development"	"Microbial endophytes change phytohormone levels for drought and plant pathogens tolerance"	14:30 14:50	"Evolution and function of fibrillarin in plants"		"The common bean –Rhizobium etli Nitrogen Fixing Symbiosis: deciphering		elongation of mesocotyrin brivin (broagin	"The epigenetic behind the albinism in Agave"	
										novel regulatory pathways"		Tolerant Maize for Africa) hybrids under low water potential gradient conditions"		
					Durán, Y.	Ponce-Pineda, I.G.		Jiménez-Morales, E.		Nova-Franco, B.		Dorantes-Acosta, A.	Reyes JL	
										"A WRKY transcription factor required				
				14:50 15:10	"BOL modulates gynoecium development and	"Winter winner, energy dinner. H + -ATPase activity regulation through MAP kinases during cold conditions"	14:50 15:10	"A singular genetic trick in the course of evolution protects Arabidopsis thaliana from drought stress"	14:50 15:10	for nodule development and symbiotic nitrogen fixation in Medicago truncatula"	15:10 15:30	"Molecular and ecophysiological characterization of abiotic stress responses in	"RNA methylation or the epi-transcriptomic control of gene expression in the moss	
					its cytokinin response"							Marchantia polymorpha"	Physcomitrella patens"	
					Shishkova, S.	Saucedo-García, M.		Juárez-González, VT.		Oswaldo Valdés-López		Cassab, G.I.	Noé Durán Figueroa	
						"Trichoderma asperellum protects tomato						"Analysis of genetic variation associated to	,	
				15:10 15:30	"Uncovering the genetic regulation of	plants against fungal infections diseases	15:10 15:30	"Little-Big Guardians of Dedifferentiation: sRNA impact on	15:10 15:30	"Early Phosphorylated Protein1: A Novel Positive Regulator of the legume-	15:30 15:50	hydrotropism and deep planting resistance in maize (Zea mays L.) revealed genes controlling		
					determinate root growth in Cactaceae"	through inhibition of reactive oxygen species production"		Maize Somatic Embryogenesis"		rhizobia symbiosis"		response to drought, growth, development	Arabidopsis thaliana"	
15:00 18:00		Registration				production						and adaptation to global heating"		
					Alatorre-Cobos, F.	Rosas-Santiago P.		Romo-Avalos A.		Solís-Miranda, J.		José López Bucio	Arnaud Ronceret	
								"Functional analysis of geminivirus						
				15:30 15:50	"Genomics of cellulose and lignin biosynthesis	"Cornichon sorting and regulation of GLR channels underlie pollen tube Ca 2+	15:30 15:50	promoters for overexpression of	15:30 15:45	"Exploring the roles of the RALF-FER- RIPK signaling during the symbiosis of	15:50 16:10	"Chromate treatment of MEDIATOR mutants triggers the splitting of the root meristem in	"Biotechnological implications of the analysis	
					in Agave tequilana Weber"	homeostasis"		recombinant proteins of pharmaceutical interest in Chlamydomonas reinhardtii"		common bean with rhizobia"		Arabidopsis"	of plant meiotic mutants"	
								interest in chamyaomonas reinitaratii						
					Abraham-Juárez M.J.	Zoghbi-Rodríguez, N.		Brieba L.G.		Camarena-Pozos		Trujillo-Pahua V	González-Morales SI	
								"Plant mitochondrial DNA replication:						
				15:50 16:10	"Differential expression and interaction profiles of maize MADS-box dimer	"Analysis of cell signaling in Capsicum chinense response to pathogens: a vision of	15:50 16:10	between recombination and origin	15:45 16:00	"Microbial volatile organic compounds in desert plants: identification, function	16:10 16:30	"Metabolic response to larval herbivory in	"ptxD/Phi as a dominant and stable selectable marker system for cyanobacteria and	
					evolutionary variants"	molecular dynamics in plant defense"		dependent replication mechanisms mediated by unique enzymes"		and biotechnological application"		Physalis sp."	microalgae"	
								mediated by amque enzymes						
					Torres-Martínez H.H.	Cruz García, F.		Garza-Aguilar SM		Morales-Ruiz, E.	16:30 17:00	Coffee	e Break	
						Jeij-incomputibility. a way joi mothers to	16:10 16:30	"The complexity of folate polyglutamylation	16:00 16:15	"Study of a plant – pathogen – endophyte interaction: the case of maize		Tulum & Kabah Hall		
				16:10 16:30	"Lateral root formation in Arabidopsis thaliana starts from a single founder cell: new insights			in plants: ripening and ethylene modulate polyglutamylated profiles in climacteric fruits			?			
					into initiation process"	prevent a progeny with low fitness"		plus systematic analysis of the glutamyl tail- editing enzymes"		– Fusarium verticillioides – Bacillus cereus B25"				
	т.	ulum & Kabah Hal	ı			Maya Hall		5,		Puch-Hau, C.				
	10	arani ex Kabali Adl		16:30 17:00	Coffee Break					"I Invailing the microbiams of Use !	17:00 17:45	Business	Meeting	
18:15 18:30		Welcome & Opening			Having Coffee with		16:15 16:30 "Unveiling the microbiome of Haplaxius crudus: the coconut lethal yellowing							
	Keynote Lecture 18:30 19:30 "Specification and differentiation of meiotic and somatic cells in maix anthers"				Uxmal Hall			phytoplasma vector"				Keynote Lecture		
			17:00 19:00	17:00 19:00 Posters - Odd numbers			16:30 17:00 Coffee Break			17:45 18:45	Alejandra Covarrubias			
							Uxmal Hall				"The relevance of carbon distribution towards reproductive organs in the resistance to terminal drought of common bean cultivars" Closure & Awards			
						17:00 19:00 Posters - Even numbers								
	Patio Central 19:30 21:00 Welcome Cocktail						Tulum & Kabah Hall Keynote Lecture			18:45 19:00				
19:30 21:00						19:00 20:00								
					"The integration of transcription factor and hormone signalling functions during gynoecium development"			19:00 20:00 Jen Sheen			21:00 23:59	00 23:59 Cala Dinnar		
					аечеюртепт			"Probing the universal energy-stress signaling network"				21:00 23:59 Gala Dinner		
								- 113,111131311						