

	Time	Activity	Location
Friday, June 7th	11:00am CST	Virtual: TreeGenes / CartograPlant	Pre-Conference Virtual
Monday, June 10th Workshop Day	9:00a-5:30p	Quantitative Genetics	SHEDRON ROOM
	9:00a-12:30p	Topics in Forest Genetics (Instruction in Spanish)	PEGASO ROOM
	1:30p-5:30p	Conservation Genetics: Intro to Variant Detection	CHAMPAGNE ROOM
	8:30a-12:30p	Conservation Genetics: Intro to Genome Assembly	CHAMPAGNE ROOM
	6:00p-7:30p	Registration and Welcome Mixer	PEGASO ROOM
	7:30p onward	Dinner (on your own)	Shuttles Available
Tuesday, June 11th	7:00a-8:30a	Light Breakfast and Registration	Hotel Fortin Restuarant
	8:30a-8:35a	NAFGS Welcome	PLAZA 2
	8:35a-9:00a	NAFGS Welcome	PLAZA 2
	9:00a-9:45a	Keynote: Pamela Soltis (UF)	PLAZA 2
	9:45a-10:00a	Coffee Break	PLAZA 1
	10:00a-10:20a	NAFGS President Welcome: Fikret Isik (NCSU)	PLAZA 2
	10:20a-12:30p	Session 1: Population Genomics and Local Adaptation Moderator: Mengmeng Lu	PLAZA 2
	10:20a-10:40a	Gustavo Ibrahim Giles-Pérez: Genotype-environment associations reveal high adaptive potential in a montane conifer (<i>Abies religiosa</i> , Pinaceae) from central Mexico	
	10:40a-11:00a	Rafael Candido Ribeiro: Effects of two generations of breeding for growth in Douglas-fir (<i>Pseudotsuga menziesii</i>) on the frequency of climate-adaptive alleles	
	11:00a-11:20a	Carol Loopstra: Allele frequency differences between Lost Pines and Piney Woods loblolly pines of Texas: Can they be used to select for drought tolerance?	
	11:20a-11:40a	Anna Fijarczyk: Black spruce vulnerability to climate change	
	11:40a-12:00p	Adam Gilewski: Physiological and Transcriptomic Responses to Drought in Ponderosa Pine	
	12:00p-12:20p	Baxter Worthing: Unraveling the genetic architecture of bud flush timing in two hybridizing <i>Populus</i> species in order to predict phenological responses to future climates	
	12:30p-1:45p	Lunch	Hotel Fortin Restuarant
	1:50p-3:30p	Session 2: Population Genomics and Local Adaptation Moderator: Brandon Lind	PLAZA 2
	1:50a-2:10p	Melanie Zacharias: How to inform assisted migration for the keystone species <i>Populus tremuloides</i>	
	2:10p-2:30p	Vanessa Izaguirre Toriz: Local adaptation of <i>Pinus leiophylla</i> under climate and land use change models in the Avocado Belt of Michoacán	
	2:30p-2:50p	Alayna Mead: Predicting fitness under future climates across <i>Populus</i> trees from a natural hybrid zone	
	2:50p-3:10p	Christian Wehenkel: Sex-specific adaptation in Mexican <i>Populus tremuloides</i> Michx	
	3:10p-3:20p	Bryce Richardson: Defining climate analogs for seed transfer and assisted migration	
	1:50p-3:30p	Session 2: Conservation Genetics Moderator: Zane Smith	PLAZA 3
	1:50p-2:10p	Karl Fetter: Conservation genomics in the eastern hemlock enabled through genomic, metabolomic, and population analyses	
	2:10p-2:30p	Nelly Jazmín Pacheco Cruz: First glimpse of genomic and candidate genes for local adaptation in an endemic oak from Oaxaca, Mexico.	
	2:30p-2:50p	Eduardo Mendoza-Maya: Can forest trees escape the extinction vortex?	
2:50p-3:00p	Alix Pugeaut: Is black maple a separate species?		
3:00p-3:10p	Paulina Montiel Castelán: Genetic identity of <i>Agave peacockii</i> Croucher: microendemic species		

	3:10p-3:20p	Sonia Teresa Cruz-Vasconcelos: Genetic diversity of Agave salmiana in plantations in Mexico	
	3:30p-4:00p	Keynote: Jessica Wright (US Forest Service)	PLAZA 2
	4:00p-4:15p	Coffee Break	PLAZA 1
	4:15p-4:35p	Session 3: Conservation Genomics Moderator: Gustavo Perez Giles	PLAZA 2
	4:15p-4:35p	Anthony Eli Melton: Genomics-driven monitoring of Fraxinus latifolia (Oregon ash) for genetic conservation and EAB-resistance breeding	
	6:00p-7:30p	Performance: Casa de la Cultura Federico Flores Aguilar, San Pablo Huitzo, Oaxaca	PLAZA 2
	7:30p onward	Dinner (on your own)	Shuttles Available
Wednesday, June 12th	7:00a-8:00a CST	Light Breakfast	Hotel Fortin Restuarant
	8:00a-1:00p	Local Field Trip - Monte Alban	Monte Alban
	1:10p-3:00p	Session 4: Quantitative genetics, tree breeding and forest management Moderator: Melanie Zacharias	PLAZA 3
	1:10p-1:30p	Gary Peter: Enhanced Resistance Pines for Improved Renewable Biofuel and Chemical Production	
	1:30p-1:50p	Benjamin Blonder: Cytotype and genotype effects on the ecophysiology of quaking aspen (Populus tremuloides)	
	1:50p-2:10p	Brandon Lind: Quantitative and population genetics of North American and European lineages of coastal Douglas-fir	
	2:10p-2:30p	Carlos Alberto Segura-Sanchez: Resilience of Picea martinezii and Picea mexicana by analyzing the ring width and genome variations	
	2:30p-2:40p	Liliana Hernández Hernández: Additive and non-additive variance of clones and progenies of Eucalyptus urophylla at early age in Tabasco, México	
	2:40p-2:50p	Esteban Galeano: Optimizing tree improvement programs: SNP genotyping for enhanced breeding values, genetic diversity assessment, and estimation of pollen contamination	
	1:10p-3:00p	Session 4: Genomics, transcriptomics and bioinformatics Moderator: Laura Figueroa Corona	PLAZA 2
	1:10p-1:30p	Lorenzo Federico Manjarrez Rodríguez: Analyses of drought tolerance in Maritime pine using grafting as experimental system	
	1:30p-1:50p	Pauline Hessenauer: From Forest to Market: Genomic Tools for Ensuring Wood Traceability in Canada	
	1:50p-2:10p	Margaret Staton: Mobile and web applications for forest research from in field data collection to inventory and analysis.	
	2:10p-2:30p	Ross Whetten: Genomic tools for breeding, conservation genomics, and pest/disease management of Christmas trees	
	2:30p-2:40p	Cynthia Webster: EASEL (Efficient, Accurate, Scalable Eukaryotic modeLs), a tool for the improvement of eukaryotic structural and functional genome annotation	
	2:40p-2:50p	Xochitl Granados-Aguilar: Genomic linkage maps for shedding light on the rapid reproductive isolation of an Abies (Pinaceae) species pair from central Mexico	
	2:50p-3:00p	Coffee Break	PLAZA 1
	3:00p-3:40p	Panel Discussions	PLAZA2 /PLAZA3
	3:45p-5:00p	Session 5: Genomics, transcriptomics and bioinformatics Moderator: Pauline Hessenauer	PLAZA 2
	3:45p-4:05p	David Neale: Genomics of whitebark pine	
4:05p-4:25p	Charles Chen: Language models are whole genome representation learners for large and complex conifer genomes		

	4:25p-4:45p	Maurice Amee: Transcriptomics of seasonal needle abscission in a deciduous conifer (<i>Larix laricina</i>) demonstrates the evolution of deciduous behavior in seed plants	
	4:45p-4:55p	Mengmeng Lu: Phylogenetic based method reveals the genetic basis of cold adaptation in maples	
	5:00p-5:15p	NAFGS Group Photo	
	5:30p-7:00p	Poster Session & Happy Hour	PLAZA 1
	7:00p onward	Dinner (on your own)	Shuttles Available
Thursday, June 13th	7:00a-8:50a	Light Breakfast	Hotel Fortin Restuarant
	9:00a-10:00a	Session 6: Phylogenomics, phylogeography and demographic history Moderator: Valentina Cardona Velasquez	PLAZA 2
	9:00a-9:20a	Juan P. Jaramillo-Correa: Rapid differentiation, ecological stasis, and edaphic adaptation during the temperate to tropical transition in Mexican firs	
	9:20a-9:40a	Alejandra Moreno-Letelier: Differentiation of high altitude Mexican white pines	
	9:40a-10:00a	Ann Willyard: Taxonomic revision of <i>Pinus</i> subsections <i>Ponderosae</i> and <i>Sabinianae</i> (Pinaceae)	
	10:00a-10:30a	Keynote: Antonio Gonzalez Rodriguez (UNAM)	PLAZA 2
	10:30a-10:45a	Coffee Break	PLAZA 1
	10:45a-12:00p	Session 7: Forest Health Moderator: Anthony Melton	PLAZA 2
	10:45a-11:05a	Jared Westbrook: A plan to make American chestnut hybrid breeding work better	
	11:05a-11:25a	Laura Figueroa-Corona: Decodifying the quantitative resistance on White Pine Blister rust defense, through transcriptomics and epigenomics	
	11:25a-11:35a	Diego Torres Dini: Resin production in <i>Pinus caribaea</i> var. <i>bahamensis</i> in Brazil	
	11:35a-11:45a	Georgina Irasema Bautista Ojeda: Cloning of <i>Pinus patula</i> through rooted cuttings: effect of stock plant etiolation and immersion time in a 5000 ppm IBA solution.	
	12:00p-12:30p	Keynote: Sam Yeaman (University of Calgary)	PLAZA 2
	12:30p-2:00p	Lunch	Hotel Fortin Restuarant
	2:00p-3:30p	Session 8: Quantitative genetics, tree breeding and forest management Moderator: Benjamin Blonder	PLAZA 2
	2:00p-2:20p	Carsten Kuelheim: Tree genetic improvement methods and social acceptability	
	2:20p-2:40p	Samuel Grubinger: A drone's eye view of adaptive traits: multispectral vegetation indices from drone remote sensing quantify adaptive clines and hybrid status in provenance tests of <i>Picea englemannii</i> x <i>glauca</i>	
	2:40p-3:00p	Verónica Reyes-Galindo: Sources of variance could tell us the chronicle of a death foretold by ozone pollution in a periurban forest of Mexico City.	
	3:00p-3:10p	Javier Hernández-Velasco: Association between dioecy and edaphoclimatic factors in Mexican populations of <i>Populus tremuloides</i> Michx.	
	3:10p-3:20p	Daniel Alejandro Rojas Hernandez: Tree improvement and genetic diversity of <i>Pinus patula</i>	
3:30p-4:00p	Keynote: Hayley Tumas (UBC)	PLAZA 2	
4:00p-4:15p	Coffee Break	PLAZA 1	

	4:15p-5:15p	Session 9: Phylogenomics, phylogeography and demographic history Moderator: <i>Alejandra Moreno Letelier</i>	PLAZA 2
	4:15p-4:35p	Rodrigo Martínez de León: Phylogeography of the <i>Juniperus deppeana</i> complex: speciation beyond morphology.	
	4:35p-4:55p	Cecilia Nataly Gutiérrez Contreras: Historical demography of <i>Populus tremuloides</i> in Mexico by genomic analysis	
	4:55p-5:15p	Valentina Cardona Velasquez: Evolution and Ecology of Tropical Pines	
	5:15p-5:45p	NAFGS Committee Reports	PLAZA 2
	5:45p-6:00p	Meeting Conclusion	PLAZA 2
	7:00p onward	Final Banquet Celebration	Hacienda Santa Martha de Bárcena
Friday, June 14th	6:00a-3:00p CST	Field Trip-Hot Springs	Hierve el Agua + Mitla
	2-day trip	Field Trip-Overnight / 2-day trip	Analco