

PROGRAM	Oral presentations are in Fred Farr Forum. Poster presentations are in Kiln Hall. Meals are in Crocker Dining Hall.	
Sunday, March 12th, 2017		
8:30 - 9:00	Registration	
9:00 - 9:05	Welcome	
9:05 - 10:25	Genomics I	Chair: Alamgir Rahman
9:05 - 9:20	Prediction and characterization of WY-domain effectors in downy mildews	Kelsey Wood
9:25 - 9:40	CRISPR/Cas9, a powerful new tool for genetic studies of oomycete pathogens	Yufeng 'Francis' Fang
9:45 - 10:00	Systematic approach for development of markers for plant pathogenic oomycetes	Frank Martin
10:05 - 10:20	Identification of effectors and structural variants in the improved genome assemblies of <i>Phytophthora ramorum</i> isolates using novel bioinformatics pipelines	Takao Kasuga (Mathu Malar unable to attend)
10:25 - 10:50	Break	
10:50 - 12:00	Keynote Speech	Chair: Lina Quesada and Aurelien Tartar
	Comparative genome evolution in fungi, from populations to phyla	Jason Stajich
12:00 - 2:00	Lunch	
2:00 - 3:20	Host interactions and resistance I	Chair: Patricia Manosalva
2:00 - 2:15	<i>Phytophthora</i> suppressor of RNA silencing 2 (PSR2) suppresses small RNA accumulation by interacting with Double-stranded RNA Binding protein 4 (DRB4) in <i>Arabidopsis</i>	Yi Zhai
2:20 - 2:35	Management of downy mildew in lima bean	Terence Mhora
2:40 - 2:55	<i>Phytophthora infestans</i> produces small phospholipase D-like proteins that elicit plant cell death and promote virulence	Francine Govers
3:00 - 3:15	Plant recognition of a novel <i>Phytophthora</i> PAMP XEG1	Yan Wang
3:20 - 3:50	Break	
3:50 - 5:10	Effectors I	Chair: Joël Klein
3:50 - 4:05	A <i>Phytophthora palmivora</i> cystatin-like protease inhibitor targets papain to contribute to virulence on papaya	Miaoying Tian
4:10 - 4:25	An effector-targeted susceptibility factor mediates degradation of an immunity-associated vesicle trafficking regulator SWAP70	Qin He
4:30 - 4:45	Downy mildew conserved RXLR effectors drive the discovery of sunflower broad-spectrum resistance	Laurence Godiard
4:50 - 5:05	<i>Phytophthora</i> effectors suppress plant immunity by interfering with the Ca ²⁺ -signaling pathway	Gul Shad Ali
5:10 - 5:25	FungiDB: new, cool, and under-utilized features for the oomycete community	Omar Harb
5:30 - 5:55	Discussion on future research and funding opportunities	
6:00 - 7:30	Dinner	
7:30 - 10:00	Reception/Poster session (odd numbers)	
Monday, March 13th, 2017		
9:00 - 10:20	Genomics II	Chair: Kelsey Wood
9:00 - 9:15	Comparative genomics to assess mycoparasitism and pathogenicity in the oomycetes	Laura Grenville-Briggs
9:20 - 9:35	Using comparative genomics to develop biosurveillance tools for the cucurbit downy mildew pathogen <i>Pseudoperonospora cubensis</i>	Alamgir Rahman
9:40 - 9:55	Target enrichment sequencing of <i>Phytophthora</i> species enables massively parallel diagnostic analysis of known avirulence genes and revised genome annotation of <i>Phytophthora infestans</i> RXLR effectors	Ingo Hein
10:00 - 10:15	Genomic investigations of heterokaryosis in the oomycete pathogen of lettuce, <i>Bremia lactucae</i>	Kyle Fletcher
10:20 - 10:50	Break	
10:50 - 11:50	Effectors II	Chair: Miaoying Tian

10:50 - 11:05	A <i>Phytophthora capsici</i> virulent RXLR effector targets plant PP2a isoforms that confer <i>Phytophthora</i> blight resistance	Xiao-Ren Chen
11:10 - 11:25	The contribution of effectors to nonhost resistance	Hazel McLellan
11:30 - 11:45	Identification and monitoring of effector proteins in the spinach downy mildew pathogen <i>Peronospora farinosa</i>	Joël Klein
11:50 - 12:20	Group photo	
12:20 - 2:00	Lunch	
2:00 - 3:00	Host interactions and resistance II	Chair: Yi Zhai
2:00 - 2:15	Autophagy is a central cellular process in the interaction between the kelp <i>Macrocystis pyrifera</i> and <i>Anisopidium ectocarpii</i> (Oomycota)	Pedro Murúa
2:20 - 2:35	Secreted Nep1-like proteins of oomycetes, fungi, and bacteria trigger immunity in <i>Arabidopsis</i> ; genetic dissection of NLP-induced plant defense	Guido Van den Ackerveken
2:40 - 2:55	Understanding plant immunity to <i>Phytophthora</i> spp.: from model plants to crops	Patricia Manosalva
3:00 - 3:15	Utilizing host resistance for the management of the oomycete pathogen <i>Phytophthora sojae</i>	Colin Davis
3:20 - 3:50 pm	Break	
3:50 - 5:10 pm	Oomycete biology, populations, and evolution I	Chair: Javier F. Tabima
3:50 - 4:05 pm	Phylogeography of the tropical oomycete <i>Phytophthora palmivora</i>	Erica M. Goss
4:10 - 4:25 pm	Diversity of <i>Phytophthora</i> species from natural and semi-natural ecosystems in Portugal, Chile and Vietnam	Marília Horta Jung
4:30 - 4:45 pm	Live cell imaging of the cytoskeleton in <i>Phytophthora</i> pathogens reveals unique actin and microtubule configurations	Kiki Kots
4:50 - 5:05 pm	Morphological and molecular identification of <i>Phytophthora palmivora</i> Butler as causal agent of black pod rot of cocoa (<i>Theobroma cacao</i> L.) from coastal Ecuador	Miriam Escós Martínez
5:10 - 5:55 pm	Committee meeting	
6:00 - 7:30	Conference Dinner (Seascape banquet room to the right rear of Crocker Dining Hall)	
7:30 - 10:00	Refreshments/Poster session (even numbers)	
Tuesday, March 14th, 2017		
9:00 - 10:00	Genomics III	Chair: Laura Grenville-Briggs
9:00 - 9:15	Genome biology, evolution and recognition of <i>Albugo candida</i> CCG effectors	Oliver J. Furzer
9:20 - 9:35	Oomycete evolution reconstructed with an automated phylogenomics pipeline using publicly available genome data from 39 taxa and three additional taxa not previously sequenced	Hai D.T. Nguyen
9:40 - 9:55	Updated view of genome structure, variation, and transcriptional dynamics in <i>Phytophthora infestans</i> based on a PacBio assembly and revised gene models	Howard Judelson
10:00 - 10:15	Transcriptional programming of <i>Phytophthora sojae</i> for organ-specific infection	Wenwu Ye
10:20 - 10:50	Break	
10:50 - 11:50	Oomycete biology, populations, and evolution II	Chair: Erica M. Goss
10:50 - 11:05	Population dynamics of <i>Phytophthora rubi</i> indicate high rates of migration between states and nurseries in the Pacific Northwestern United States	Javier F. Tabima
11:10 - 11:25	<i>Nothophytophthora</i> prov. nom., a new sister genus of <i>Phytophthora</i>	Marília Horta Jung
11:30 - 11:45	Hidden diversity in the oomycete genus <i>Opidiopsis</i> is a global threat to red algal cultivation	Yacine Badis
11:50 - 12:00	Closing remarks	
12:20 - 2:00	Lunch/Adjourn	