• 4 • AT-A-Glance program

AT-A-GLANCE PROGRAM

Oral presentations are in Grand Ballroom. Reception/Poster sessions are outside the Grand Ballroom. All meals are in Ramada Plaza Taian.

Monday		
April 9th		
	Registration	
9:00 - 9:05		
		Chair: Audrey Ah-Fong and Kai Tao
9:05 - 9:20	Cellular signaling and cytoskeleton dynamics in <i>Phytophthora</i>	Francine Govers
9:25 - 9:40	Biochemical and genetic analyses of the oomycete <i>Pythium insidiosum</i> provide new insights into clinical identification, pathogenicity, and evolution of metabolism-related traits	Theerapong Krajaejun
9:45 - 10:00	Mating type change in <i>Phytophthora infestans</i> regulated by histone deacetylases	Li-Yun Guo
10:05 - 10:20	Ecology and evolution of oomycete communities in response to soybean seed treatments	Zachary Noel
10:25 - 11:00	Group photo and break	
11:00-12:20	Keynote Speech	Chair: Francine Govers
11:00 - 11:35	Exploring fungal DNA Virus to control crop diseases, challenge and opportunity	Daohong Jiang
11:40 - 12:15	Omics in Plant Breeding	Sanwen Huang
12:20 - 2:00	Lunch	
2:00 - 3:40	Effectors I	Chair: Petra Boevink and Kelsey Wood
2:00 - 2:15	Dissecting the transcriptional plasticity of <i>P. sojae</i>	Brett Tyler
2:20 - 2:35	Identification of <i>Plasmopara viticola</i> candidate RXLR effector repertoire in <i>Nicotiana</i> benthamiana	Jiang Lu
2:40 - 2:55	How are effectors secreted and delivered to the host?	Shumei Wang
3:00 - 3:15	Plant recognition of <i>Phytophthora</i> GH12 MAMPs	Yan Wang
3:20 - 3:35	Characteristics of RxLR effector structures in oomycete pathogens	Li Zhao

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3:40 - 4:10	Break	
4:10 - 6:10	Genomics I	Chair: Paul Birch and Diya Sen
4:10 - 4:25	Towards the identification of effectors and secondary metabolites involved in oomycete-oomycete interactions and mycoparasitism using comparative genomics	Laura Grenville-Briggs
4:30 - 4:45	Comparative genomics of four species of Peronosclerospora	Kyle Fletcher
4:50 - 5:05	What role does <i>Phytophthora kernoviae</i> play in New Zealand forests?	Rebecca McDougal
5:10 - 5:25	Land-use affects the growth and gene expression of <i>Phytophthora agathidicida</i>	Preeti Panda
5:30 - 5:45	Transcriptional regulation of <i>Phytophthora sojae</i> effectors for successful infection	Wenwu Ye
5:50 - 6:05	Genome sequence of <i>Plasmopara viticola</i> reveals effector repertoire and pathogenicity mechanisms	Ling Yin
6:10 - 7:30	Dinner	
7:30 - 10:00	Reception/Poster session	

Tuesday	
April 10th	
9:00 - 5:00	Excursion/free time
6:00 - 7:30	Conference Dinner

Wednesday		
April 11th		
8:30 - 9:50	Host Interactions and Resistance Mechanisms I	Chair: Jun Zhao and Veronica Ancona
8:30 - 8:45	Phytophthora palmivora establishes tissue-specific intracellular infection structures in the earliest divergent land plant lineage	Sebastian Schornack
8:50 - 9:05	A pathogen suppressor of an NLR immune network	Lida Derevnina
9:10 - 9:25	A plant pathogen effector utilizes host susceptibility factor NRL1 to degrade the immune regulator SWAP70	Qin He
9:30 - 9:45	A potato STRUBBELIG-RECEPTOR FAMILY gene StLRPK1 involves in plant immunity by association	Haixia Wang

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	with StSERK3/BAK1	
9:50 - 10:20	Break	
		Chair:
10:20-12:00	Effectors II	Suomeng Dong
		and Lida Derevnina
	Phytophthora infestans RXLR Effector Pi22926	
10:20 - 10:35		Zhendong Tian
10.20	MAP3β to manipulate MAP3K signalling pathway	
	Biochemical basis of an RXLR-WY effector	
10:40 - 10:55	suppression of an NLR network	Jessica Upson
	Characterization of host-recognized WY domain	
11:00 - 11:15	effectors from <i>Bremia lactucae</i> that lack the	Kelsey Wood
	canonical RxLR motif	
	Functional analysis of an effector PcRxLR101 in	
11:20 - 11:35	Phytophthora capsici	Jing Li
	A potato chloroplast kinase is required for Rpi-vnt1	
11:40 - 11:55	mediated immunity against late blight pathogen	Chuyun Gao
12:00 - 2:00	Lunch	
		Chair:
	Oomycete biology, populations, and evolution II	Daolong Dou
2:00-3:20		and
		Theerapong
		Krajaejun
2:00 - 2:15	Molecular genetics of the oomycete pathogen of	Lin Zhang
	lettuce, Bremia lactucae.	8
2:20 - 2:35	Structure determination of three enzymes from	Weiwei Song
2.20 2.33	Phytophthora capsici	
2:40 - 2:55	Profiling of the <i>Phytophthora e</i> pigenomes	Han Chen
	Immunity triggered by the small cysteine rich effector	
3:00 - 3:15	PC2 from <i>Phytophthora infestans</i> requires	Shuaishuai Wang
	proteolytic cleavage by the host protease P69B	
3:20 - 3:50	Break	
3.20 - 3.30	Dioux	

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3:50-5:30	Genomics II	Chair: Sucheta Tripathy and Wenwu Ye
3:50 - 4:05	New insights into pathogenicity of the emerging tropical pathogen: <i>Phytophthora colocasiae</i> on taro	Diya Sen
4:10 - 4:25	Mutations in oxysterol binding protein-related protein conferring oxathiapiprolin resistance confirmed using CRISPR/Cas9 in <i>Phytophthora capsici</i> and <i>P. sojae</i>	Jianqiang Miao
4:30 - 4:45	Detection of multiple oomycetes in metagenomic data by using E-probe Detection of Nucleic Analysis (EDNA)	Maria Fernanda Proano
4:50 - 5:05	EumicrobeDBLiteV11: a lightweight genomic resource and analytic platform for draft oomycete genomes	Arijit Panda
5:10 - 5:25	Diploid genome assembly works better when Pacbio long reads are supplemented with Illumina reads: <i>P. ramorum</i> assembly a case study	Mathu Malar C
5:30 - 6:20	Committee meeting	
6:30 - 7:30	Dinner	
7:30 - 10:00	Reception/Poster session	

Thursday		
April 12th		
		Chair:
8:30 - 9:50	Host Interactions and Resistance Mechanisms II	Rebecca McDougal
		and Qin He
	Synergistic anti-oomycete effect of melatonin with a	
8:30 - 8:45	biofungicide against oomycetic blank shank	Maozhi Ren
	disease	
0.50 0.05	Phytophthora utilizes an RxLR effector to hijack the	Maofeng Jing
8:50 - 9:05	host ER stress as part of their infection strategy	
	A conserved host target of oomycete Avr3a family	
9:10 - 9:25	effectors positively regulates plant resistance to	Ruirui Feng
	Phytophthora	
	NbMORF8 encoding protein localized in	
9:30 - 9:45	mitochondria and chloroplasts negatively regulates	Yang Yang
	plant immunity to <i>Phytophthora</i> pathogens	
9:50 – 10:20	Break	

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10:20 - 11:40	Effectors III	Chair: Jiang Lu and Biao Gu
10:20 - 10:35	The evolutionarily conserved Phytophthora effector RxLR24 interferes with the secretion of antimicrobial compounds	Iga Tomczynska
10:40 - 10:55	Structure and function analysis of effector PcRxLR145 of Phytophthora capsici	Liying Wang
11:00 - 11:15	The Phytophthora sojae essential effector Avh238 targets soybean GmACSs to suppress ethylene biosynthesis and promote infection	Bo Yang
11:20 - 11:35	Host mRNA methylation pathway, a new target for Phytophthora effector proteins?	Jie Huang
11:40 -12:00	Closing remarks	
12:00 -2:00	Lunch/Adjourn	