

2nd São Paulo XanthoMeeting

Plant pathogens, antimicrobial agents, disease management and control



Organizers:

Chuck Farah (IQ-USP)

Henrique Ferreira (UNESP Rio Claro)

Dirk-Jan Scheffers (University of Groningen)

João C. Setubal (IQ-USP)

Aline M. da Silva (IQ-USP)

September 5 and 6, 2018

Biblioteca Brasileira Guita e José Mindlin (talks)

Instituto de Química (poster session)

Universidade de São Paulo campus Butantan

São Paulo, Brazil

Support:



BIGA
Bioinformática, Genômica e Associados



eppendorf

We thank *Fabio Silva, Viviane dos Santos, Francenilda Ciferi and Carlos Morais* from IQ-USP for helping the organization

Full Program (Talks and Posters):

<http://lbi.usp.br/xanthomeeting2018/>



PROGRAM

Wednesday, September 5

8:50	Opening Session: Chuck Farah Chairperson: Henrique Ferreira
9:00	Nian Wang , University of Florida, USA - Exploiting citrus and pathogen interactions for disease management
9:40	Marie Anne van Sluys , Department of Botany, University of São Paulo, Brazil PHROG clustering of <i>Xanthomonas</i> genomes
10:00	Celso Benedetti , Biosciences Laboratory (LNBio), CNPEM, Brazil A matter of tail: can we induce Citrus Canker resistance in susceptible citrus plants?
10:20-10:45	Coffee break
10:50	Chuck Farah , Department of Biochemistry, University of São Paulo, Brazil The <i>Xanthomonas</i> Type IV Secretion System
11:10	Cristina Martinez , Department of Genetics, Evolution, Microbiology and Immunology, State University of Campinas, Brazil <i>Xanthomonas citri</i> deploys a Type VI Secretion System to resist amoeba predation
11:30	Jesus Ferro , University of São Paulo State - UNESP/Jaboticabal, Brazil Looking for gene function by mutagenesis
11:50	Mario Murakami , Brazilian Bioethanol Science and Technology Laboratory (CTBE), CNPEM, Brazil The abundant and diverse repertoire of CAZymes in <i>Xanthomonas</i> reveals new strategies for plant cell wall depolymerization and goes beyond nutrition
12:10	José Patané , Institute of Chemistry, University of São Paulo, Brazil The evolutionary path to <i>Xanthomonas citri</i> pathotypes
12:30 – 14:10	Lunch Chairperson: João C. Setubal
14:20	Marc Valls , University of Barcelona, Spain Structural and gene expression studies to fight against bacterial wilt on potato and tomato
15:00	Luiz Leonardo Saldanha , University of São Paulo State - UNESP/Rio Claro, Brazil Using metabolomics to study plant-pathogen interactions
15:20	Nelson Wulff , Fundecitrus, Brazil <i>Candidatus Liberibacter</i> interaction with hosts and among species
15:40	Monica Cotta , Institute of Physics, State University of Campinas, Brazil Bacterial adhesion and biofilm formation: what can we learn with tools at the nanoscale?
16:00	Caitilyn Allen , University of Wisconsin-Madison, USA How <i>Ralstonia solanacearum</i> Succeeds in the Flowing Plant Xylem Environment
17:00-19:00	Poster Session at IQ
19:00 -21:00	Barbecue at IQ (Praça da Integração)

Thursday, September 6

	Chairperson: Aline M. da Silva
9:00	Dirk-Jan Scheffers , University of Groningen, the Netherlands Fluorescent tools to detect modes of action of antimicrobials in <i>Xanthomonas citri</i>
9:20	María Inés Siri , Universidad de la Republica, Uruguay Progress and challenges in breeding for resistance to potato bacterial wilt in Uruguay
9:40	Marcos Navarro , Institute of Physics at São Carlos, University of São Paulo, Brazil What's the role of bifunctional enzymes on c-di-GMP signaling, is it all about robustness?
10:00	Maria Teresa Mansur , Department of Genetics and Evolution, Federal University of São Carlos, Brazil - Proteomics applied to <i>Xanthomonas citri</i> and <i>X. fuscans</i> for identification and functional characterization of genes and proteins potentially involved in <i>X. citri</i> pathogenicity
10:20-10:45	Coffee break
10:50	Luis Eduardo Soares Netto , Department of Genetics and Evolution, University of São Paulo, Brazil Cys-based proteins at the host pathogen interface
11:10	Alessandra Alves de Souza , Instituto Agronômico de Campinas, Brazil A type II toxin-antitoxin system from <i>Xylella fastidiosa</i> as a novel approach to control citrus canker disease
11:30	Catalina Molano López , DWI-Leibniz Institute for Interactive Materials e.V., Aachen, Germany Polymeric Materials as Responsive Nanocarriers
11:50	Roberto Herai , PUC-PR, Brazil CitrusKB: A Comprehensive Knowledge Base for in vivo transcriptome and interactome of citrus cultivars infected by <i>Xanthomonas citri</i> subsp. <i>citri</i>
12:10 – 14:10	Lunch Chairperson: Chuck Farah
14:20	Felix Jacob , Leibniz Institute for Interactive Materials, Aachen University, Germany Green Release for Plant Health
15:00	Roberto Salinas , Department of Biochemistry, University of São Paulo, Brazil Studies of structure and dynamics of T4SS subunits using solution NMR spectroscopy
15:20	Elena Orellano , Universidad Nacional de Rosario, Argentina TBA
15:40	Andrea Balan , Department of Microbiology, University of São Paulo, Brazil Sulphur assimilation in <i>Xanthomonas citri</i> - increasing possibilities
16:00	Mark Enright , Manchester Metropolitan University, UK <i>X. citri</i> subsp. <i>citri</i> : epidemiology and potential biocontrol measures using bacteriophage
17:00-17:30	Wrap-Up