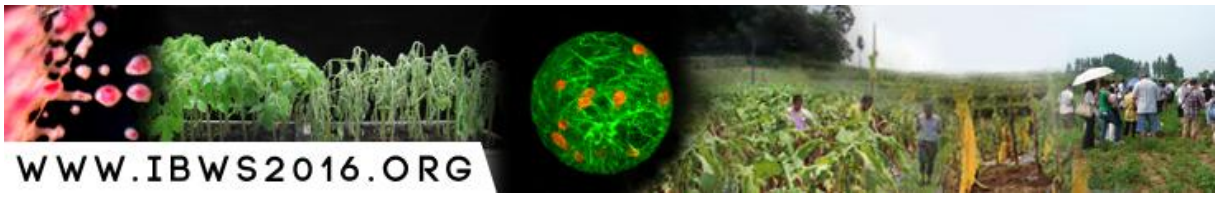

Program of the 6th IBWS

Sunday 03 July 2016

17:00-20:00	Welcome desk and Registration at **Salon de Marvejol - 47 rue Pharaon - 31000 Toulouse**	
18:00	Welcome cocktail at Salon de Marvejol	

Monday 04 July 2016

Opening session

9:00-9:05	Stéphane Genin	Welcome address
9:05-9:15	Dominique Roby & Etienne Danchin	Presentation of the LabEx TULIP: reaching Ecology and Biology frontiers
9:15-9:40	OPENING LECTURE **Stéphane Genin**	**The bacterial wilt disease & the many lives of an international pathogen**

Session 1: Ecology and Diagnostics of Bacterial Wilt Diseases

Chairs: Julian Smith & Philippe Prior

9:40-10:20	KEYNOTE LECTURE **Monica Parker**	**Bacterial Wilt: The major threat to potato in Sub-Saharan Africa**
10:20-10:40	Napoleon Tjou-Tam-Sin	First report of bacterial wilt caused by *Ralstonia solanacearum* in ornamental Rosa sp.
10:40-11:10	Coffee break	
11:10-11:30	Maria Julia Pianzzola	Potato bacterial wilt research in Uruguay: from the field to the lab and back to the field
11:30-11:50	Seon-Woo Lee	The rhizosphere microbiome of bacterial wilt resistant tomato cultivar
11:50-12:10	Teresa Coutinho	*Ralstonia solanacearum* sensu lato and Eucalyptus hosts: an example of opportunism
12:30	Lunch (Grand Vatel)	

14:00-15:30	**POSTER session (odd numbers)**	
15:30-16:00	Coffee break	

Session 2: Roles of Effectors in Virulence and Host Range

(Session co-organized by COST-SUSTAIN)

Chairs: Nemo Peeters & Caitilyn Allen

16:00-16:40	KEYNOTE LECTURE **Thomas Lahaye**	**Elucidating host target genes of *Ralstonia solanacearum* TALE-like proteins.**
16:40-17:00	Fabienne Vailleau	How type 3-associated proteins control *Ralstonia solanacearum* species complex pathogenicity ?
17:00-17:20	Niklas Schandry	RipTAL diversity in the context of host range adaptation
17:20-18:00	Marc Valls	Early inducible plant responses to *R. solanacearum* infection

Tuesday 05 July 2016

Chris Hayward Session

Chairs: Caitilyn Allen and Philippe Prior

9:00-9:20	**Introduction Caitilyn Allen and Philippe Prior**	
9:20-9:40	Zhong Wei	Bacterial parasites and competitors suppress *Ralstonia solanacearum* synergistically via evolutionary trade-offs
9:40-10:00	Tiffany Lowe-Power	Bacterial wilt disease changes the xylem sap metabolome
10:00-10:20	Virginia Ferreira	Characterization of potato genotypes with different responses to *Ralstonia solanacearum* infection.
10:20-10:40	Jerome Kubiriba	The changing spread and control dynamics of banana *Xanthomonas* wilt in East and Central Africa
10:40-11:10	Coffee break	

Session 3: Type III effector targets and Host Plant Responses to Ralstonia solanacearum

Chairs: Fabienne Vailleau & Marc Valls

11:10-11:50	KEYNOTE LECTURE **Laurent Deslandes**	**Sensing of *Ralstonia* PopP2 effector by an immune receptor pair**
11:50-12:10	Alberto Macho	Deciphering the subversion of plant cellular functions by *Ralstonia solanacearum* type-III effectors
12:10-12:30	Raka Mitra	The bacterial wilt pathogen, *Ralstonia solanacearum* : Effector proteins and plant root responses
12:30	Lunch (ENSAT)	
14:00-14:20	Richard Berthomé	Plant response to biotic and abiotic stresses: Identification of genetic basis underlying plant resistance responses to *Ralstonia* in a global warming context
14:20-14:40	Aftab Khan	Finding a host target of *Ralstonia solanacearum* type III effector RipAA and functional analysis of the target.
14:40-15:00	Nemo Peeters	Effector contribution to virulence: from bacterial comparative genomics to plant interactomics

15:00-15:30	Coffee break	
15:30-17:00	**POSTER session (even numbers)**	
17:00	BUS to Capitole	
18:00	Capitole Reception	

Wednesday 06 July 2016

Session 4: Control of Bacterial Wilt Diseases (Part 1)

Chairs: Teresa Coutino & Carlos Lopez

9:00-9:40	KEYNOTE LECTURE	
	Boshou Liao	**Breeding Bacterial Wilt-Resistant Peanut Cultivars with Improved Fatty Acids**
9:40-10:00	Carlos A. Lopes	Three decades of breeding potato for resistance to bacterial wilt in Brazil: facts and figures.
10:00-10:20	Sylvia Salgon	Identification of QTLs conferring resistance to the genetic diversity of *Ralstonia solanacearum* in eggplant.
10:20-10:40	Jonathan P. Kressin	Tomato rootstock resistance to bacterial wilt in the Mountain region of North Carolina
10:40-11:10	Coffee break	

Session 5: Diversity, Structure and Evolutionary Dynamics of Ralstonia solanacearum Populations

Chairs: Alice Guidot & Leena Tripathi

11:10-11:30	KEYNOTE LECTURE	
	Philippe Prior	**Insights into the recent outbreaks of potato bacterial wilt in Madagascar highlands: genotyping of the *Ralstonia solanacearum* species complex by MLVA**
11:30-11:50	Ivan Erill	Comparative analysis of *Ralstonia solanacearum* methylomes
11:50-12:10	Alice Guidot	Experimental evolution of the GMI1000 strain of *Ralstonia pseudosolanacearum* unveils a new transcription regulator involved in adaptation to plants
12:10-12:30	Stéphane Poussier	Diversity and population structure of the *Ralstonia solanacearum* species complex in the South-West Indian Ocean islands
12:30-12:50	Delphine Capela	Rewiring a plant pathogen into a legume symbiont, a matter of regulation
12:50	Lunch (ENSAT)	
14:20	Departure for visits	
19:00	GALA Dinner	

Thursday 07 July 2016

9:30-10:00	Coffee welcome	

Session 4: Control of Bacterial Wilt Diseases (Part 2)

Chairs: Boshou Liao & Maria Julia Pianzzola

10:00-10:40	KEYNOTE LECTURE	
	Leena Tripathi	**Control of Banana *Xanthomonas* Wilt Disease**
10:40-11:00	Kashif Riaz	Biocontrol of *Ralstonia solanacearum* induced wilts in chilies under tunnel farming system in Punjab Pakistan
11:00-11:20	Suvendra Kumar Ray	Protection against *R. solanacearum* infection in tomato seedling using an endophyte isolated from tomato seedlings
11:20-11:40	Belen Ãlvarez	Novel lytic bacteriophages of *Ralstonia solanacearum* : from environmental water to biological control in the host
11:40-12:00	Julian Smith	The role of pest diagnostics in support of quarantine and certification of planting material: the example of *Ralstonia solanacearum* and *Xanthomonas* vasicola pv. musacearum on potato and banana
12:20	Lunch (Grand Vatel)	

Session 6: Mechanisms of Bacterial Wilt Disease and the Virulence Regulatory Network (Part 1)

Chairs: Stéphane Genin & Richard Berthomé

14:00-14:40	KEYNOTE LECTURE	
	Yasufumi Hikichi	**Mechanisms on colonization of *Ralstonia solanacearum* strain OE1-1 in intercellular spaces, which is required for its virulence**
14:40-15:00	Gaofei Jiang	Experimental mining of the bacterial wilt disease dynamics in tomato
15:00-15:20	Yuka Mori	Implication of ralfuranones in biofilm formation by cells of *Ralstonia solanacearum* strain OE1-1, contributing to its virulence
15:20-15:40	Ana Maria Bocsanczy	Advances in the search for cold virulence determinants in *Ralstonia solanacearum*
15:40-16:10	Coffee break	

Session 6: Mechanisms of Bacterial Wilt Disease and the Virulence Regulatory Network (Part 2)

16:10-16:50	KEYNOTE LECTURE	
	Caitilyn Allen	**The in planta regulon of the major *Ralstonia solanacearum* virulence regulator PhcA**
16:50-17:10	Kouhei Ohnishi	Two-component systems are involved in pathogenicity of *Ralstonia solanacearum*
17:10-17:30	Rémi Peyraud	Genome-scale modeling of the *Ralstonia solanacearum* metabolic and virulence regulatory networks and its use to analyze the growth/virulence trade-off.
17:30-17:50	Kenji Kai	Methyl 3-hydroxymyristate, a diffusible signal mediating phc quorum sensing in *Ralstonia solanacearum*

Closing session

17:50-18:30	Concluding remarks / Closing meeting