



Effectome meeting IV, September 28-30 2011, Lauret, France

Wednesday September 28th

14h00-14h15 Welcome and Introductory Remarks by the Organizers

Session 1: Bacteria and Viruses

Chair: Mathieu Arlat, Boris Szurek

- 14h15-15h00:** Adam BOGDANOVE *Tallying TAL effector targets in bacterial leaf streak of rice.*
- 15h00-15h20:** Céline ROUSSEAU *Comparative analysis of the XopN family in the genus Xanthomonas.*
- 15h20-15h40:** Laurent NOEL *Xanthomonas effectome diversity: Association genetics and comparative genomics.*
- 15h40-16h00:** Boris SZUREK *Telling a sweet southern tale of TALs.*
- 16h00-16h30:** Coffee break
- 16h30-16h50:** Aline ESCALON *Type three effectors, phylogeny and pathogenicity of the bacterium Xanthomonas citri pv. Citri.*
- 16h50-17h10:** Jana STREUBEL *The Golden TAL Technology.*
- 17h10-17h30:** Séverine LACOMBE *The Rice yellow mottle virus P1 protein exhibits dual functions to suppress and activate gene silencing.*
- 17h30-18h30:** **Poster viewing**

Thursday September 29th

Session 2: Fungi

Chair : Thomas Kroj, Sebastien Duplessis

- 8h30-9h15** Martijn Rep. *Effectors of Fusarium oxysporum, a vascular wilt fungus*
- 9h15-9h35** Jerome COLLEMARE *Another kind of fungal effectors: secondary metabolites produced by the tomato pathogen Cladosporium fulvum revealed by using a comparative genomics approach.*
- 9h35-9h55** Thomas KROJ *Functional characterisation of the Magnaporthe oryzae effector AvrCO39.*
- 9h55-10h25:** Coffee break
- 10h25-10h45** Marie Héléne BALESSENT *Biological analysis of the effect of two effectors of Leptosphaeria maculans on oilseed rape.*
- 10h45-11h05** Claire VENAULT-FOURREY *Functional analysis of MiSSPs (Mycorrhizal induced Small Secreted Proteins) from the symbiont Laccaria bicolor.*

11h05-11h25 Sébastien DUPLESSIS *Candidate effectors of Melampsora larici-populina, the causal agent of the poplar leaf rust disease.*

11h25-11h45 Stella CESARI *The Magnaporthe oryzae effectors Avr-Pia and AvrCO39 are recognized by the rice NBS-LRR protein RGA5 through direct interaction.*

Session 3: The plant response and effector targets

Chair : Nemo Peeters, Mathilde Fagard

13h45- 14h30 Justin LEE *Cellular signalling during plant innate immune response.*

14h30-14h50 Susana RIVAS *The Xanthomonas type III effector XopD targets the Arabidopsis transcription factor AtMYB30 to suppress plant defence.*

14h50-15h10 Alvaro PÉREZ-QUINTERO *Identification of cassava miRNAs differentially expressed in response to infection by Xanthomonas axonopodis pv. Manihotis.*

15h10 -15h30 Laurent DESLANDES *PopP2 acetyltransferase from Ralstonia targets Arabidopsis components.*

15h30-16h30: Coffee break and poster viewing

16h45 - 19h00: walking tour

Friday September 30th

Session 4: Oomycetes and Nematodes

Chair: Bernard Dumas, Frederic Brunner

8h30-9h15 Sophien KAMOUN *Suppression of plant immunity by Phytophthora effectors.*

9h15-9h35 Véronique LEFEBVRE *Exploitation of knowledge on Oomycete effectors to drive the discovery of durable late blight genetic resistance in tomato*

9h35-9h55 Frederic BRUNNER *RXLR effectors suppressing early PAMP signalling in plants.*

9h55-10h25: Coffee break

10h25-10h45 Etienne DANCHIN *Mining the genomes of root-knot nematodes to identify candidate parasitism genes.*

10h45- 11h05 Pere MESTRE *Towards the identification of avirulence genes from Plasmopara viticola, the causal agent of grapevine downy mildew.*

11h05-11h25. Diana RAMIREZ-GARCÉS *CRN (Crinkling and Necrosis) effectors of oomycetes: first insights of A. euteiches CRNs , a root legume pathogen.*

11h25-11h45 Edouard EVANGELISTI *Two RXLR effectors from Phytophthora parasitica are specifically expressed in the appressorium and modulate plant defense responses.*