



PR IR 2011 meeting program

Sunday 4 september

-  **14:00 - 17:00** **Registration** (the registration desk will be open on Monday for late arrivals)
- 17:00 - 19:00** **Welcome apéro** (at the congress site/registration site)

Monday 5 september

- 08:30 - 08:40** **Opening** (Brigitte Mauch-Mani, Corné Pieterse)

Session 1: Novel players in plant defense signaling

Chair: Antonio Molina

- 08:40 - 09:20** Specificity of transcriptional responses to JA-Ile (**Roberto Solano, SP**)
- 09:20 - 09:40** Transcriptional activation and production of tryptophan-derived secondary metabolites in Arabidopsis roots contributes to the defense against the fungal vascular pathogen *Verticillium longisporum* (**Wolfgang Dröge-Laser, GER**)
- 09:40 - 10:00** Transcriptome analysis of host and nonhost interactions between barley and the fungus *Magnaporthe* (**Ulrich Schaffrath, GER**)
-  **10:00 - 10:30** **Coffee break**
- 10:30 - 10:50** Adaptive evolution of the PRLIP gene family resulted in taxon-specific defense-related paralog groups in different plant species (**Balint Szalontai, HU**)
- 10:50 - 11:10** Making sense out of signaling during plant defense (**Corné Pieterse, NL**)

Session 2: Crosstalk between signaling pathways for biotic stress

Chair: Juriaan Ton

- 11:10 - 11:50** Cross-talk between defense signaling pathways for biotic stress (**Christiane Gatz, GER**)
- 11:50 - 12:10** Rhizobacteria modify plant-aphid interactions: a case of induced systemic susceptibility (**Ana Pineda, NL**)
-  **12:10 - 14:00** **Lunch at Restaurant le Romarin**
- 14:00 - 14:20** Suppression of jasmonate signaling by salicylic acid acts downstream of SCFCO11 and targets GCC-box promoter motifs in Arabidopsis (**Saskia van Wees, NL**)
- 14:20 - 14:40** The role of the phytohormone ethylene in crosstalk between salicylate and jasmonate signaling (**Antonio Leon-Reyes, EC**)

Session 3: The components of defense signaling 1

Chair: André Kessler

- 14:40 - 15:20** Interrelationships among SA, MeSA, lipids, and light in systemic acquired resistance (SAR) / The CRT1 family participates in multiple layers of resistance (**Daniel F. Klessig, USA**)
- 15:20 - 15:40** GNOM ARF-GEF and ARF GTPase are linking multivesicular bodies to syntaxin-regulated penetration resistance (**Hans Thordal-Christensen, DK**)
- 15:40 - 16:00** The Arabidopsis NIMIN cycle - shaping PR gene expression in the course of systemic acquired resistance (**Ursula M. Pfitzner, GER**)
-  **16:00 - 16:30** **Coffee break**
- 16:30 - 18:00** **Poster session I** (with drinks)
- evening** Free time

Tuesday 6 September

Session 4: The components of defense signaling 2

Chair: Maria José Pozo

- 08:30 - 08:50** A permeable cuticle is associated with the release of reactive oxygen species and induction of innate immunity (**Floriane L'Haridon, CH**)
- 08:50 - 09:10** Identification of grapevine pattern recognition receptors involved in PAMP-triggered immunity against *P. viticola* and *B. cinerea* (**Lucie Trda, FR**)
- 09:10 - 09:30** SignWALLing: Signals derived from Arabidopsis cell wall activate specific resistance to pathogens (**Antonio Molina, SP**)
- 09:30 - 09:50** Metabolic regulation of acquired resistance in Arabidopsis (**Jürgen Zeier, GER**)
-  **09:50 - 10:20** **Coffee break**

Session 5: Induced defense against insects

Chair: Christiane Gatz

- 10:20 - 11:00** The Arabidopsis-*Bemisia tabaci* interactions: Deciphering plant responses and insect behaviors in susceptible and resistant genotypes (**Linda Walling, USA**)
- 11:00 - 11:20** Insect eggs suppress plant defence against herbivory in Arabidopsis (**Philippe Reymond, CH**)
- 11:20 - 11:40** (Z)-3-Hexenol emitted from common cutworm-infested tomato plants induces jasmonate-independent defence to the intact tomato plants against upcoming herbivore attack (**Koichi Sugimoto, JP**)
- 11:40 - 12:00** A root herbivore induces susceptibility to conspecifics in maize (**Christelle Robert, CH**)
-  **12:00 - 13:40** **Lunch at Restaurant le Romarin**

Session 6: Induced defense against pathogens - practical aspects

Chair: Xavier Daire

- 13:40 - 14:00** Effect of nitrogen fertilisation of strawberry plants on the efficacy of defence-stimulating biocontrol products against *Botrytis cinerea* (**Philippe C. Nicot, FR**)
- 14:00 - 14:20** Time effectiveness using of inducers of chemical and biological origin against powdery mildew (*Blumeria graminis* f. sp. *tritici*) on wheat (**Lubomir Vechet, CZ**)
- 14:20 - 14:40** What tools used to acquire a better understanding of induced resistance after elicitation and/or infection from laboratory to field experiments? (**Marie-France Corio - Costet, FR**)
- 14:40 - 15:00** Diversity in susceptibility of *Botrytis cinerea* to biocontrol products inducing plant defence mechanisms (**Marc Bardin, FR**)
-  **15:00 - 15:30** **Coffee break**

Session 7: Induced defense against pathogens

Chair: Jürgen Zeier

- 15:30 - 16:10** Abietane diterpenoid in plant defense signaling (**Jyoti Shah, USA**)
- 16:10 - 16:30** Differential effects of biotic and abiotic elicitors on plant defence and physiology in radiata pine seedlings (**Tony Reglinski, NZ**)
- 16:30 - 16:50** Specific phosphorylation of conserved eukaryotic protein SGT1 is an essential element of plant defense against pathogens (**Magdalena Krzymowska, PL**)
- 16:50 - 17:10** The hemibiotrophic fungus *Colletotrichum graminicola* triggers above and belowground systemic resistance in *Zea mays* (**Dirk Balmer, CH**)
- 17:10 - 17:30** Characterization of *Trichoderma harzianum* T39-induced resistance of grapevine against downy mildew (**Michele Perazzolli, IT**)
- 17:30 - 19:00** **Poster session II** (with drinks)
- 19:00** Free time

Wednesday 7 September

Session 8: Molecular ecology of induced defense against insects

Chair: Philippe Reymond

- 08:30 - 09:10** Information war in the plant headspace (**Andre Kessler, USA**)
- 09:10 - 09:30** Multi-species multitrophic plant-insect interactions: from ecology to genes (**Roxina Soler, NL**)
- 09:30 - 09:50** Symbiotic ants as an indirect defence against phytopathogens in an ant-plant mutualism (**Marcia González-Teuber, GER**)
-  **09:50 - 10:20** **Coffee break**
- 10:20 - 10:40** Different systemic induced defense responses in roots and shoots after an above- or belowground jasmonic acid application (**Tom Tytgat, NL**)
- 10:40 - 11:00** MYB8 transcription factor: a universal regulator of inducible phenolamides in *Nicotiana attenuata* after herbivory (**Nawaporn Onkokesung, GER**)

Session 9: Induced defense by beneficials

Chair: Bruno Cammue

- 11:00 - 11:40** Unravelling mycorrhiza-induced resistance (**Maria José Pozo, SP**)
- 11:40 - 12:00** Trichoderma-induced plant responses to abiotic and biotic stimuli (**Ada Viterbo, IL**)
-  **12:00 - 13:50** **Lunch at Restaurant le Romarin**
- 13:50 - 14:30** Jasmonates in biotic interactions of roots (**Bettina Hause, GER**)
- 14:30 - 14:50** The bacterial N-acyl homoserine lactone oxo-C14-HSL from the tripartite *Piriformospora* symbiosis confers disease resistance via activation of AtMPK6 and AtMPK3 (**Karl-Heinz Kogel, GER**)
- 14:50 - 15:10** AM symbiosis as a control strategy against root parasitic plants through strigolactone reduction (**Juan A. López-Ráez, SP**)
-  **15:10 - 15:40** **Coffee break**

Session 10: Priming for resistance

Chair: Karl-Heinz Kogel

- 15:40 - 16:20** How innate is the plant immune system? (**Jurriaan Ton, UK**)
- 16:20 - 16:40** The genetically enriched (E)- β -ocimene in transgenic plants functions in indirect defenses in the both transgenic plants themselves and neighboring plants (**Gen-ichiro Arimura, JP**)
- 16:40 - 17:00** The role of root-specific MYB72 transcription factor during rhizobacteria-induced systemic resistance in Arabidopsis (**Christos Zamioudis, NL**)
- 17:00 - 17:20** Lectin receptor kinases as modulators of the Arabidopsis innate immunity response (**Laurent Zimmerli, TW**)
- 17:20 - 17:40** Molecular aspects of defense priming (**Uwe Conrath, GER**)
-  **19:30 - ???** **Social dinner (Restaurant Le Romarin) - announcing of poster prizes**

Thursday 8 September

Session 11: The future of induced resistance

Chair: Corné Pieterse

- 09:00 - 09:40** Properties and structure of the plant immune signaling network (**Fumiyaki Katagiri, USA**)
- 09:40 - 10:00** Next generation Systemic Acquired Resistance (**Estrella Luna-Diez, UK**)
- 10:00 - 10:20** Discovery of WRKY transcription factors involved in activation of SA biosynthesis genes: a bioinformatics and molecular biology approach (**Marcel Van Verk, NL**)
-  **10:20 - 10:50** **Coffee Break**
- 10:50 - 11:10** New chromatographic approaches reveal an active role of glucosyl salicylates against *P. syringae* in priming mutants (**Victor Flors, SP**)
- 11:10 - 11:40** Closing lecture (**Brigitte Mauch-Mani, CH**)
- 11:40 - 12:00** Closing remarks
-  **12:00** Departure