



1st JOINT BOTRYTIS-SCLEROTINIA SYMPOSIUM 2022 - PROGRAM

June 13-17, 2022

*Avignon Université | 74 rue Louis Pasteur, 84000 Avignon, France
#botrysclero2022*



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Botrytis-Sclerotinia Symposium 2022 – program

Monday, 13 th of June, 2022		
10 AM		Opening of the registration desk
1:00 PM	Marc Bardin, Sabine Fillinger, University Chancellor	Welcome
1:20 PM	Opening lecture (25+15') Yigal Elad, ARO, Volcani Institute, Israel	Managing the plant pathogens <i>Botrytis</i> and <i>Sclerotinia</i> over decades: From the lab to the field and back
Session I: Diversity, host adaptation, development (Chairs: Jan van Kan & Muriel Viaud)		
2:00 PM	Keynote lecture (25+15') Anne-Sophie Walker, INRAE, France	Diversity and host adaptation in <i>Botrytis</i> species
2:40 PM	John Clarkson (15+5')	Population structure of <i>Sclerotinia subarctica</i> and <i>S. sclerotiorum</i> in England, Scotland and Norway in crop plants and meadow buttercup
3:05 PM	Eduardo Mizubuti (15+5')	The genetic structure of <i>Sclerotinia sclerotiorum</i> in a multihost and year-round agricultural environment.
3:25 PM	Coffee-break	
3:55 PM	Julia Schumacher (15+5')	Light dependent development in <i>Botrytis cinerea</i>
4:20 PM	József Geml (15+5')	DNA metabarcoding of fungal community associated with <i>Botrytis</i> -infected grape berries reveals differences in pathobiome composition between noble rot and grey rot
4:45 PM	Natascha Stomberg (15+5')	A conserved cell-cell communication mechanism mediates interspecies interactions in filamentous ascomycete fungi.
5:10 PM	Rebecca Spanner (15+5')	FREQUENCY, a canonical circadian protein with novel supra-circadian roles in the fungus <i>Botrytis cinerea</i>
5:30 PM	end of session	
6:30 PM	Grenier à Sel https://legrenierasel-avignon.fr/gb	Welcome reception (cocktail) 2 rue du Rempart Saint-Lazare 84 000 Avignon

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Tuesday, 14th of June, 2022

Session II: Omics (Chairs: Jeff Rollins, Laurence Godiard)

8:30 AM	Keynote lecture (25+15') Jan van Kan, Wageningen University, The Netherlands	Comparative genomics of <i>Sclerotiniaceae</i>
9:10 AM	Muriel Viaud (15+5')	<i>Botrytis cinerea</i> strains infecting grapevine and tomato display contrasted repertoires of accessory chromosomes, transposons and small RNAs
9:35 AM	Matthias Hahn (25+5')	Functional Genomics of <i>Botrytis</i> spp.
10:05 AM	Coffee break	
10:30 AM	Paulo Canessa (15+5')	Transcriptomic analysis of the <i>Botrytis cinerea</i> <i>Δbcfet1</i> strain during <i>Arabidopsis thaliana</i> infection provides clues behind hypervirulence.
10:55 AM	Christophe Bruel (15+5')	Extracellular vesicles of <i>Botrytis cinerea</i>
11:20 AM	Ádán István Hegyi (15+5')	Metatranscriptomic analysis of the noble rot process: from textural changes to antimicrobials
11:45 AM	Francisco Javier Fernández Acero (15+5')	Molecular analysis of <i>B. cinerea</i> bioactive peptides and their role during infective process
12:05 AM - 1:30 PM	Lunch	

Session III: Ecology & Epidemiology (Chairs: Philip Elmer, Marc Fermaud)

1:30 PM	Keynote lecture (25+15') Odile Carisse, Agriculture and Agri-Food, Canada	<i>Botrytis</i> epidemics & disease management
2:10 PM	Christopher C. Steel (15+5')	Methods for the estimation of <i>Botrytis</i> grey mould from infected wine grapes.
2:35 PM	Mingde Wu (15+5')	Viral Cross-species Transmission Results in the Hypovirulence of <i>Botrytis cinerea</i>
3:00 PM	Christel Leyronas (15+5')	White and grey molds, where do you come from? A comparative study on inoculum of <i>B. cinerea</i> and <i>S. sclerotiorum</i> .
3:20 PM	Coffee-break + posters	
5:20 PM	Giorgia Fedele (15+5')	Development and validation of a mechanistic model of <i>Botrytis cinerea</i> on grapevine
5:45 PM	Pippa Michael (15+5')	Effect of soil water content, soil texture and sclerotia conditioning temperature on myceliogenic germination of Australian <i>Sclerotinia sclerotium</i> isolates
6:10 PM	Jonathan West (15+5')	Inoculum potential of <i>Sclerotinia sclerotiorum</i> ; detection methods
6:30 PM	End of 2nd day	

Botrytis-Sclerotinia Symposium 2022 – program

Wednesday, 15th of June, 2022

Session IV: Host pathogen Interaction - virulence factors (Chairs: Barbara Blanco-Ulate & Nathalie Poussereau)

8:30 AM	Keynote lecture (25+15') Jeff Rollins, University of Florida, USA	Mechanisms of <i>Sclerotinia</i> virulence & compatibility.
9:10 AM	Laurence Godiard (15+5')	A MADS-box transcription factor gene expressed in infection cushions impairs <i>Sclerotinia sclerotiorum</i> virulence
9:35 AM	An-Po Cheng (15+5')	What is the role of <i>Botrytis cinerea</i> Argonauts in host plant infection?
10:00 AM	Sarita Bennett (15+5')	<i>Sclerotinia sclerotiorum</i> inoculation response on <i>Brassica napus</i> varieties is influenced by environmental conditions
10:20 AM	Coffee break	
10:50 AM	Xueqiong Xiao (15+5')	The early secretory pathway associated proteins SsEmp24 and SsErv25 regulate morphogenesis and pathogenesis in <i>Sclerotinia sclerotiorum</i>
11:15 AM	Glen Calvar (15+5')	A new secretory pathway in <i>Botrytis cinerea</i> : importance of the AP-1/Clathrin machinery in the virulence of the pathogen
11:40 AM - 1:30 PM	Lunch & Posters	
1:30 PM	Jiasen Cheng (15+5')	Small secretory proteins in the pathogenesis of <i>Sclerotinia sclerotiorum</i>
1:55 PM	Virginia Casado del Castillo (15+5')	Novel regulatory genes in <i>Botrytis cinerea</i> identified through the characterization of natural non-pathogenic, light insensitive, field isolates
2:20 PM	Jun Zhou (15+5')	Lytic polysaccharide monooxygenases are virulence factors of plant infection by necrotrophic pathogens
2:45 PM	Maria Spada (15+5')	Selection of <i>Botrytis cinerea</i> pathogenicity/virulence genes for their knockdown by topical applications of double-stranded RNA
3:10 PM	Yaohua You (15+5')	Multiple tolerance mechanisms to the plant saponin α -tomatine in <i>Botrytis cinerea</i>
3:30 PM	End of sessions, Coffee & posters	
5:00 - 7:00 PM	City tour	Meeting point: Tourism Office of Avignon; 41 cours Jean Jaurès Jean Jaures
8:15 PM	Conference Dinner	Pope's Palace https://www.palais-des-papes.com/en

Botrytis-Sclerotinia Symposium 2022 – program

Thursday, 16th of June, 2022

Session IV: Host pathogen Interaction – plant defense & susceptibility (Chairs: Yigal Elad & François Lecompte)

9:00 AM	Keynote lecture (25+15') Barbara Blanco-Ulate, UC Davis, USA	A balancing act: How plant defenses and susceptibility factors impact the success of <i>Botrytis</i> infections
9:40 AM	Si Qin (15+5')	Exploring plant genes that participate in the response to the phytotoxic metabolite botrydial produced by <i>Botrytis cinerea</i>
10:00 AM	Saskia D. Mesquida Pesci (15+5')	Development of biomarkers for early <i>Botrytis cinerea</i> infections in strawberry fruit using multispectral imaging and volatile profiling approaches
10:20 AM	Coffee break	
10:50 AM	Nathalie Lacrampe (15+5')	Increased metabolic fluxes in tomato stems infected by <i>Botrytis cinerea</i>
11:15 AM	Maya Bar (15+5')	Cytokinin regulates energy utilization in <i>Botrytis cinerea</i>
11:40 AM	Maya Kleiman (15+5')	Using biomimetics to uncover the role of microstructure in <i>Botrytis</i> -plant interaction
12:00 AM - 1:30 PM	Lunch	

Session V: Disease Management I (Chairs: Gianfranco Romanazzi, Philippe Nicot)

1:30 PM	Keynote lecture (25+15') Philip Elmer, Plant & Food Research, New Zealand	A review of cultural practices for effective <i>Botrytis</i> management in New Zealand vineyards
2:10 PM	Marty Chilvers (15+5')	<i>Sclerotinia</i> epidemic development and disease management in the upper Midwest U.S.
2:35 PM	Isabella Busato (15+5')	Peptaibol analogs as new effective fungicides against <i>Botrytis cinerea</i>
3:00 PM	Mark F Belmonte (15+5')	Using RNA interference to protect crops against fungal pathogens
3:20-5:00 PM	Coffee-break & Posters	
5:00 PM	Charleen Copier (15+5')	Changes along the <i>Mrr1</i> gene correlate with reduced fludioxonil sensitivity in <i>Botrytis cinerea</i>
5:25 PM	Luis F. Larrondo (15+5')	The role of core clock components in secondary metabolism, development, and mycoparasitic interactions between <i>Trichoderma atroviride</i> and <i>Botrytis cinerea</i>
6:00 PM	Vote for next conference place	
6:45 PM	End of 4th day	

Botrytis-Sclerotinia Symposium 2022 – program

Friday, 17th of June, 2022

Session V: Disease Management II (Chair: Eduardo Mizubuti, Anne-Sophie Walker)

8:30 AM	Keynote lecture (25+15') Gianfranco Romanazzi, Marche Polytechnic University, Italy	<i>Botrytis</i> and <i>Sclerotinia</i> infections in food industry: risks and management
9:10 AM	Daohong Jiang (25+5')	Exploring <i>Sclerotinia sclerotiorum</i> hypovirulence-associated DNA virus 1-infected strain as a plant vaccine to control rapeseed stem rot
9:40 AM	Melissa Muñoz (15+5')	Understanding the interaction between calcium, cut roses, and <i>Botrytis cinerea</i> .
10:05 AM	Georgios Sofianos (15+5')	A novel ARMS-PCR for the detection of <i>Bcpos5</i> mutations conferring resistance to AP fungicides in <i>Botrytis cinerea</i> and use of CRISPR/Cas9 editing for characterization of the resistant mutants
10:25 AM	Coffee break	
11:00 AM	George Karaoglanidis (15+5')	Novel SDHI molecules may change <i>sdhB</i> mutation frequencies and select for new mutations in <i>Botrytis cinerea</i> populations–nematicidal applications of fluopyram as a case study
11:25 AM	Estelle TURC (15+5')	Is the protective efficacy of microbial biocontrol agents stable regardless of the diversity of <i>Sclerotinia sclerotiorum</i> strains?
11:40 AM	Marc Bardin, Sabine Fillinger	Concluding remarks
12:00 PM	End of the conference	Lunch & departure of congressists