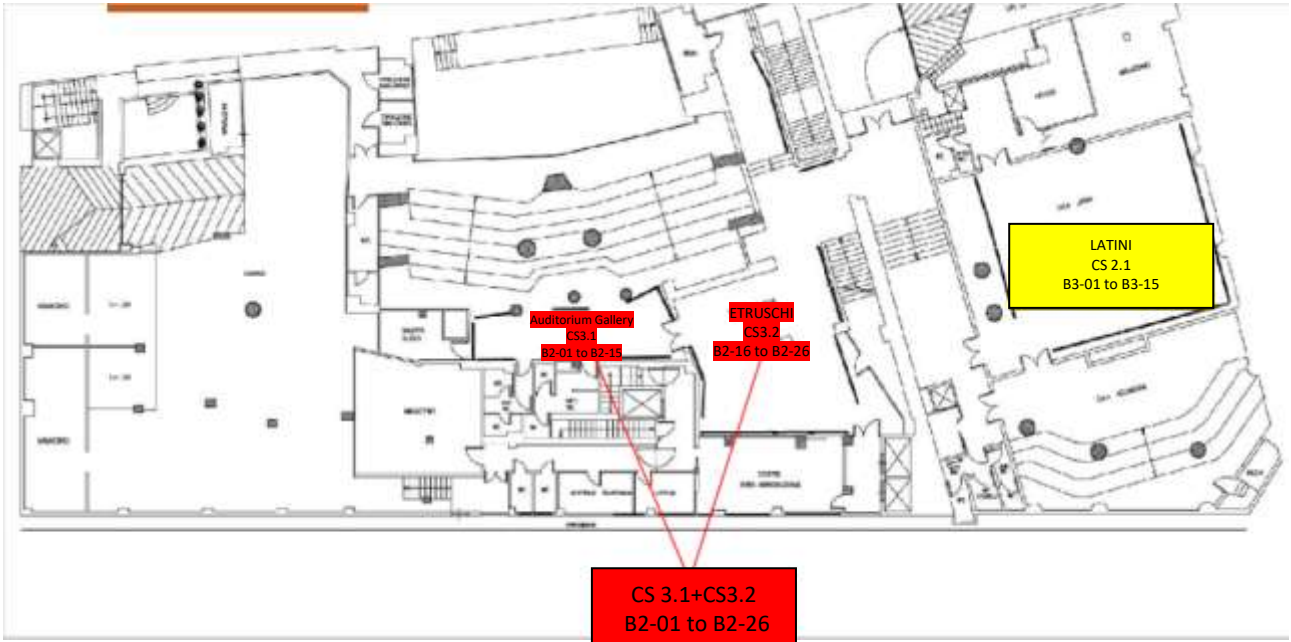
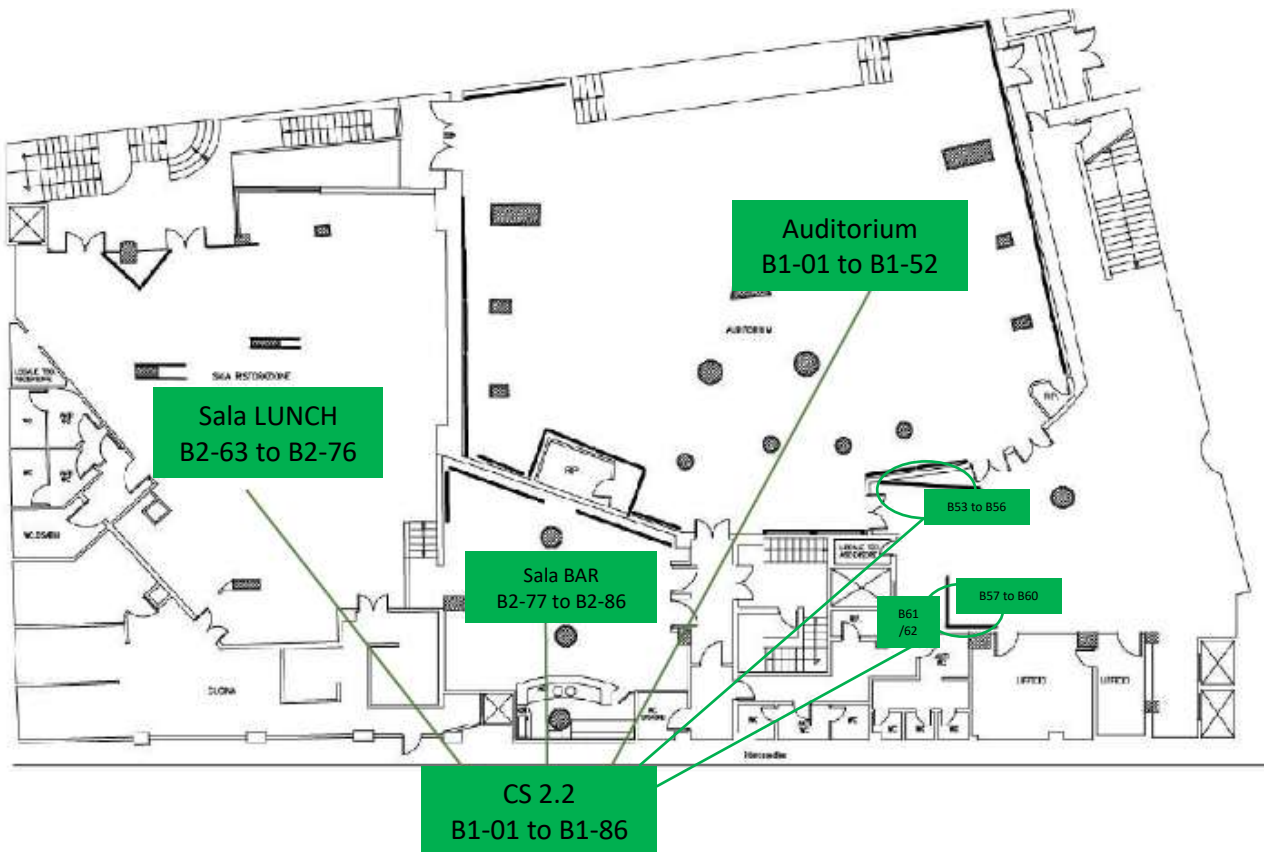


WEDNESDAY, FEBRUARY 19TH

Ground Floor



Floor (-1)





ECFG15
ROME • ITALY

FRENTANI CONVENTION CENTER

Via dei Frentani, 4 - 00185 Roma
+39 06 448 792 26

WEDNESDAY, FEBRUARY 19th

Room: **LATINI**

Concurrent Session 2.1 Animal-fungi interactions

| P. Code | Name | Surname | Title |
|----------------|--------------|----------------|---|
| B3-01 | Ulrich | Terpitz | Expansion of fungi enables high resolution in fluorescence microscopy |
| B3-02 | Denisa | Višňovská | Mycobiota of insect herbivores and their host plants: the role of spatial, temporal and ecological variability |
| B3-03 | Gábor | Nagy | Construction of a mutant library to examine the pathogenicity of <i>Mucor circinelloides</i> using CRISPR/Cas9 system |
| B3-04 | Jaemin | Seong | Comparative genomics of endoparasitic fungi, <i>Esteya vermicola</i> |
| B3-05 | Karel | Švec | The effect of abiotic factors on growth of bark beetle fungal symbionts |
| B3-06 | Tereza | Veselská | Study of the roles of microbial symbionts in the bark beetle holobiont |
| B3-07 | Nicole | Hensel | Analysis of putative virulence factors in the nematode trapping fungus <i>Duddingtonia flagrans</i> |
| B3-08 | Henrik | De Fine Licht | Comparative RNAseq analyses of the entomopathogenic fungus <i>Metarhizium anisopliae</i> reveal specific signatures of filamentous and yeast-like development |
| B3-09 | Ingo | Bauer | The lysine deacetylase RpdA is essential for virulence in <i>Aspergillus fumigatus</i> |
| B3-10 | Ana | Lozano-Soria | New prospects for banana weevil (<i>Cosmopolites sordidus</i>) biomanagement using volatile organic compounds from entomopathogenic and nematophagous fungi |
| B3-11 | Nada | Kraševc | Functional studies of nigerolysins in <i>Aspergillus niger</i> |
| B3-12 | Csilla | Szebenyi | Investigate the relevance of cotH genes in the pathogenicity and other biological mechanisms of <i>Mucor circinelloides</i> |
| B3-13 | Nathan | Wiyatt | Validation of the <i>P. teres</i> f. <i>teres</i> effectors VR1 and VR2 conferring virulence on Rika barley identified in the bi-parental mapping population 15A × 6A |
| B3-14 | Patrick | Van Dijck | <i>Staphylococcus aureus</i> in an oral dual-infection model |
| B3-15 | Nemat Oliver | Keyhani | High efficiency transformation and construction of tools for genetic manipulation of the laurel wilt pathogen, <i>Raffaelea lauricola</i> |

Concurrent Session 2.2 Plant fungi interactions

| P. Code | Name | Surname | Title |
|---------|--------------|------------------|--|
| B1-01 | Paulo | Canessa | Defects in iron acquisition result in hypervirulence in <i>Botrytis cinerea</i> |
| B1-02 | Lidia | Błaszczak | Proteomic and metabolomic approach to understand the molecular interaction between wheat plants and <i>Trichoderma spp.</i> |
| B1-03 | Aneta | Basińska-Barczak | Impact of <i>Trichoderma</i> fungi on wheat (<i>Triticum aestivum</i> L.) seedlings <i>in vitro</i> culture |
| B1-04 | Katarzyna | Mikołajczak | Determination of the interaction type between fungi isolated from the wheat endosphere |
| B1-05 | Mariana | Robledo | Computational and functional analyses of three paralogous effectors proteins in <i>Colletotrichum graminicola</i> : the causal agents of maize anthracnose |
| B1-06 | Edgar | Mangwende | Seed trade risks forest biosecurity: An overview with a focus on <i>Colletotrichum fructicola</i> and <i>C. kahawae</i> associated with <i>Eucalyptus spp.</i> |
| B1-07 | Lars | Voll | Deficiencies in the mitochondrial electron transport chain affect redox poise and resistance towards <i>Colletotrichum higginsianum</i> |
| B1-08 | Pravin | Khambalkar | SIX6: A route to plant cell death |
| B1-09 | Kar-Chun | Tan | The necrotrophic effector SnTox1 of <i>Parastagonospora nodorum</i> harbours a promoter variant associated with gene repression |
| B1-10 | Kar-Chun | Tan | A specific fungal transcription factor controls effector gene expression and orchestrates the establishment of the necrotrophic pathogen lifestyle |
| B1-11 | Mark | Derbyshire | Uncovering the complex roles of fungal small RNAs in plant pathogenesis |
| B1-12 | Christof | Rampitsch | LC-MS-based Peptidomics, Mass Spectrometry Imaging and Bioinformatics Approaches Used to Identify Peptides in the Wheat- <i>Puccinia triticina</i> Interaction |
| B1-13 | Fumi | Fukada | The functional analysis of a late effector in <i>Ustilago maydis</i> |
| B1-14 | Gunamalai | Lavanya | Unravelling the molecular basis for chilling tolerance of the gray mold phytopathogenic fungus <i>Botrytis cinerea</i> |
| B1-15 | Yanina | Rizzi Soledad | Role of chitosan and chitin deacetylases during development of <i>Ustilago maydis</i> |
| B1-16 | Fantin | Mesny | Functional characterization of root-associated fungi in <i>Arabidopsis thaliana</i> |
| B1-17 | Chirlei | Glienke | Genomic perspectives on the evolution of the mating-type locus in Phyllosticta, with emphasis on Citrus-associated species |
| B1-18 | Chirlei | Glienke | β-GLUCOSIDASE ENZYME ASSOCIATED WITH PATHOGENICITY IN <i>Colletotrichum abscissum</i> |
| B1-19 | Kevin | Fontaine | Diversity and pathogenicity of the <i>Alternaria</i> species complex involved in apple leaf blotch and fruit spots in France |
| B1-20 | Thais Regina | Bouffleur | Regulation of Glycine max and <i>Colletotrichum truncatum</i> gene expression during colonization |
| B1-21 | Kim | Sieun | Development of a conditional gene expression system using a copper responsive promoter in the plant pathogenic fungus <i>Fusarium graminearum</i> |
| B1-22 | Hee Ji | Moon | Identification and functional characterization of novel transcription factors involved in ion homeostasis in the plant pathogenic fungus <i>Fusarium graminearum</i> |
| B1-23 | Krisztina | Kolláth-LeiB | Auxin production and impact in <i>Neurospora crassa</i> |
| B1-24 | Christian | Koch | To have or not to have: A dispensable chromosome enables host colonization in the pathosystem <i>Colletotrichum higginsianum</i> – <i>Arabidopsis thaliana</i> |
| B1-25 | Simona | Sanzani | Mycotoxins as host tissue colonization factors |
| B1-26 | Houda | Bouregghda | Identification of <i>Trichoderma</i> species isolated from Algerian soil and evaluation of their antagonist potential against some crops diseases' pathogens |
| B1-27 | Eduardo | Goulin | The asymptomatic infection of sweet orange by <i>Alternaria alternata</i> citrus pathogen |
| B1-28 | Soledad | Sacristan | The fungal endophyte PRB110 improves yield in corn, tomato and pepper crops |
| B1-29 | Soledad | Sacristan | Comparative and functional genomics of <i>Plectosphaerella isolates</i> with different life styles |
| B1-30 | Larissa | Heck | Fungal Attack: Chemical Communication and Protection Strategies based on the Secondary Metabolism associated with Tree Canker |
| B1-31 | Harry | Child | Preparing for battle: characterisation of fungal cellular processes during early infection of wheat by <i>Zymoseptoria tritici</i> |
| B1-32 | Gabriel | Lorencini Fiorin | A single <i>Verticillium dahliae</i> effector induces defoliation of cotton plants |
| B1-33 | Jean-Guy | Berrin | A fungal family of lytic polysaccharide monoxygenase-like copper proteins |
| B1-34 | Shigeyuki | Tanaka | The functionally conserved effector Sta1 is a fungal cell wall protein required for virulence in <i>Ustilago maydis</i> . |

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| B1-35 | Pedro | Talhinhas | Characterisation of the mycobiome of clonal olive trees cultivated in three distinct environments |
| B1-36 | Reda | Amezrou | Genome-wide association studies identify novel candidate genes associated with aggressiveness in the wheat pathogen <i>Zymoseptoria tritici</i> |
| B1-37 | Rebekka | Harting | A 20 kb region absent in a non-symptomatic isolate reduces virulence in a symptom-inducing isolate of <i>Verticillium longisporum</i> |
| B1-38 | Vasiliki | Skiada | Nuclear calcium spiking as a junction for multiple microbial recognition at the root epidermis |
| B1-39 | Giuseppe | Ianiri | Transcriptomic approach to unveil the interaction between biocontrol yeast and postharvest fungal pathogen on the host fruit: which one is hungrier? |
| B1-40 | Carmit | Ziv | The effect of fruit sugar level of two near isogenic tomato lines, on the pathogenicity mechanism and host response during infection of red tomatoes |
| B1-41 | Neha | Sahu | Comparative -omics analyses to understand Wood-Decay Strategies and Evolution of Pathogenicity in <i>Armillaria</i> spp. |
| B1-42 | Sebastian | Klenner | Rapid and efficient transformation of the plant pathogen <i>Microbotryum</i> : A milestone to understand the evolution of host-specific parasitism |
| B1-43 | Luisa | Liu-Xu | Isolating Fungal Endophytes to Improve Heat Resistance in <i>Solanum lycopersicum</i> |
| B1-44 | Anna | Tiley | Investigating the role of the circadian clock in the wheat fungal pathogen, <i>Zymoseptoria tritici</i> |
| B1-45 | Simone | Belmondo | Polyketide synthases in the ericoid endomycorrhizal fungus <i>Oidiodendron maius</i> |
| B1-46 | Jonathan | Richards | An association genomics approach to identify candidate virulence genes in <i>Cercospora sojae</i> |
| B1-47 | Nelson | Massola | Characterization of the candidate effectors repertoire of <i>Colletotrichum</i> spp . pathogenic to soybean |
| B1-48 | Isabel | Vicente | Terpene synthases in <i>Trichoderma gamsii</i> T6085 |
| B1-49 | Maria | Aragona | <i>Pseudopyrenochaeta lycopersici</i> , agent of Corky Root Rot of tomato: a case history of a less studied soilborne pathogen |
| B1-50 | Pamela | Gan | Genome rearrangements drive evolution of virulence-related genes in the genomes of <i>Colletotrichum gloeosporioides</i> species complex |
| B1-51 | Kim | Chi-Yeo | A rice/ <i>Arabidopsis thaliana</i> glycosyl hydrolase gene displays ambivalent immunity with diverse types of phytopathogens |
| B1-52 | Jeon | Jongbum | Diversified modulation of transcriptome complexity by alternative splicing during rice- <i>Magnaporthe oryzae</i> interactions |
| B1-53 | Nishadi | De Silva | Ensembl Fungi: A growing reservoir of fungal interactions |
| B1-54 | Sabine | Fillinger | Cloning of AvrStb9, a gene of <i>Zymoseptoria tritici</i> conferring avirulence on wheat cultivars carrying the Stb9 resistance gene |
| B1-55 | Laura Gioia | Francesco Vinale | Valorization of by-products from oleaginous crops production using <i>Trichoderma</i> spp. |
| B1-56 | Isabelle | Fudal | Avirulence proteins of <i>Leptosphaeria maculans</i> , involved in suppressive interactions, share a common structural pattern and are part of a larger family |
| B1-57 | Laurence | Godiard | Towards the identification of virulence factors of the broad host range plant pathogen fungus, <i>Sclerotinia sclerotiorum</i> |
| B1-58 | Muriel | Viaud | Could small interfering RNA be involved in host specialization in the grey mould fungus <i>Botrytis cinerea</i> ? |
| B1-59 | Davide | Spadaro | Understanding the bakanae disease: looking for disease-related genes through the study of avirulent strains of <i>Fusarium fujikuroi</i> |
| B1-60 | Chih-Li | Wang | A bZIP transcription factor of <i>Colletotrichum higginsianum</i> is associate with osmotic stress and appressorium formation |
| B1-61 | Chih-Li | Wang | Vegetative compatibility groups and biocontrol of <i>Pyricularia oryzae</i> in Taiwan |
| B1-62 | Cristina | Mingot Ureta | <i>M. acuminata</i> root colonization and growth promotion by <i>P. chlamydosporia</i> |
| B1-63 | Marta | Suarez-Fernandez | Chitosan and <i>Pochonia chlamydosporia</i> both induce plant hormones and defences in tomato root exudates |
| B1-64 | Maria Paula | Rueda-Mejia | Protease and chitinase activities as modes of antagonism of the yeasts <i>Aureobasidium pullulans</i> and <i>Candida subhashii</i> against <i>Fusarium oxysporum</i> |
| B1-65 | Luis | Lopez-Llorca | Chitosan biosynthesis and degradation: a way to modulate plant defenses in endophytic biocontrol agents? |
| B1-66 | Fred | Asiegbu | Analysis of the effectome of the conifer pathogen (<i>Heterobasidion parviporum</i>) and functional roles on interspecific fungal interactions |
| B1-67 | Pieter Jaap | Wolters | Effectors from <i>Alternaria solani</i> and evidence for a resistance gene in wild potato |
| B1-68 | Andreia | Loureiro | Expression profiling of candidate genes under positive selection among different pathotypes of the coffee obligate pathogen, <i>Hemileia vastatrix</i> |
| B1-69 | Maurilia Maria | Monti | <i>Trichoderma</i> -plant crosstalk is mediated by VOCs emission |
| B1-70 | Nathan | Wiyatt | Genome-wide association mapping identifies SnTox5 in <i>Parastagonospora nodorum</i> |
| B1-71 | Sana | Kamel | Sequence analysis of <i>Pyrenophora tritici</i> -repentis effector genes in Tunisia |
| B1-72 | Ananya | Barman | Identification, characterization, and in vitro biocontrol of pathogenic fungi associated with blister blight lesions of Tea (<i>Camellia sinensis</i>) |
| B1-73 | Dubraska | Moreno-Ruiz | Mycoparasitism-related chemotropic sensing in <i>Trichoderma atroviride</i> germlings and hyphae |
| B1-74 | Dubraska | Moreno-Ruiz | The effects of light on <i>Trichoderma atroviride</i> conidiation and mycoparasitic activity are partially dependent on the strain and the Tmk3 MAP kinase |
| B1-75 | Timothy | Friesen | SnTox2/6 from <i>Parastagonospora nodorum</i> uses multiple host targets to induce disease |

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| B1-76 | Timothy | Tschaplinski | Metabolomics of non-host switchgrass plants expressing a poplar lectin receptor-like kinase in response to the mycorrhizal fungus, <i>Laccaria bicolor</i> |
| B1-77 | Jessy | Labbe | Understand the exchangeable chemical signals that influence fungal interactions |
| B1-78 | Silvia | Toffolati | Comparative transcriptome analysis identified novel genes modulated by <i>Plasmopara viticola</i> and resistant/susceptible <i>Vitis vinifera</i> during interaction |
| B1-79 | Martin | Urban | PHI-base, a multispecies phenotype database for pathogens, hosts and their interactions to enhance global food security and human health |
| B1-80 | Lay-Sun | Ma | The putative dual function of a secreted pathogenesis-related 1 (PR-1) family protein in <i>Ustilago maydis</i> |
| B1-81 | Claire | Kanja | Functional characterisation of candidate <i>Fusarium graminearum</i> effectors |
| B1-82 | Ana Karla | Machado Wood | Exploring the role of plant vesicle trafficking during <i>Fusarium graminearum</i> infection |
| B1-83 | Giovanna | Serratore | Resistance tests to <i>Colletotrichum lindemuthianum</i> race 6: methods of examination for listing |
| B1-84 | Luis B | Gómez Luciano | Effector gene turnover in blast disease fungi |
| B1-85 | Stephan | Wawra | Compositional and functional analysis of the β -glucan matrix produced by <i>Serendipita indica</i> in planta |
| B1-86 | Matteo Lorito | Francesco Vinale | Study of the beneficial interaction between <i>Trichoderma</i> and <i>Brachypodium distachyon</i> by RNA-sequencing |



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WEDNESDAY, FEBRUARY 19th

Room: Auditorium Gallery + ETRUSCHI + AISLE

Concurrent Session 3.1 Evolution

| P. Code | Name | Surname | Title |
|---------|----------------|----------------|---|
| B2-01 | Desirrê Alexia | Lourenço | Transposable elements (TEs) in Citrus-associated <i>Phyllosticta</i> species |
| B2-02 | Levente | Karaffa | Occurrence, distribution, multiplicity and origins of the divalent metal/proton symporter (NRAMP/DMT) in the <i>Ascomycota</i> |
| B2-03 | Erzsébet | Fekete | Involvement of spliceosomal twin introns in instances of alternative splicing in <i>Aspergillus</i> |
| B2-04 | Erzsébet | Fekete | Formation of a new intron within an extant intron: how can stwintronisation happen? |
| B2-05 | Jerome | Collemare | l'abstract è per navarro munoz! Evolutionary histories of type III polyketide synthases in fungi |
| B2-06 | Dabao | Sun Lu | Population genomics of <i>Trichaptum abietinum</i> – a window into fungal speciation |
| B2-07 | Corinn | Small | Pathogen adaptations to host and climate in a wild plant-pathosystem |
| B2-08 | Claudia | Coleine | Evolution of the stress-adapted black Antarctic cryptoendolithic fungus <i>Friedmanniomyces endolithicus</i> |
| B2-09 | Hayat | Hage | Exploring the genomic diversity related to wood degradation within the order Polyporales, <i>Basidiomycota</i> |
| B2-10 | Torda | Varga | A macro-evolutionary perspective on long-distance mass transport in fungi |
| B2-11 | Primrose | Boynton | A forest <i>Saccharomyces</i> population is robust to environmental changes |
| B2-12 | Stefania | Daghino | Genomic and phenotypic divergence among heavy-metal tolerant and sensitive isolates of the ericoid fungus <i>Oidiodendron maius</i> |
| B2-13 | David Eduardo | Torres Sanchez | Transposable element diversity drives genome dynamics in the plant pathogenic fungus <i>Verticillium dahliae</i> |
| B2-14 | Renwei | Gao | Evolutionary odyssey of effector-like proteins in the mycoparasitic fungus <i>Trichoderma</i> |
| B2-15 | Sundy | Maurice | Large diversity of species-specific fungi inhabit fungal sporocarps |

Concurrent Session 3.2 Molecular Taxonomy and Phylogenomics

| Poster Code | Name | Surname | Title |
|------------------------|---------------|-------------|---|
| B2-16 | Sandrielle | Noriler | Taxonomy and diversity of <i>Diaporthe endophytic</i> species from Pantanal and Cerrado biomes in Brazil |
| B2-17 | Simona | Sanzani | CHARACTERISATION OF ASPERGILLUS AND PENICILLIUM POPULATIONS OF POMEGRANATE FRUIT BY HIGH RESOLUTION MELTING (HRM) |
| B2-18 | Marta Cortina | Escribano | Genome sequence of <i>Ganoderma lucidum</i> (Curtis) P. Karst. from Finland |
| B2-19 | Joris | Alkemade | Genetic diversity within <i>Colletotrichum lupini</i> , the causal agent of lupin anthracnose, and its virulence on white lupin (<i>Lupinus albus</i>) |
| B2-20 | Matias | Pasquali | Exploring <i>Ciborinia camelliae</i> diversity |
| B2-21 | Shira | Milo | Limited DNA repair gene repertoire in Ascomycete yeast revealed by comparative genomics |
| B2-22 | Małgorzata | Orłowska | CAZymes associated with adaptation of basal fungi to their lifestyle |
| B2-23 | Myrto | Tsiknia | Drivers of the biogeographical patterns of the endophytic fungal community in the roots of the Greek olive tree variety Koroneiki |
| B2-24 | Christian | Rabot | Activation of Silent Gene Clusters in <i>Aspergillus nidulans</i> Using Hybrid Transcription Factors |
| B2-25 (exC1-25_CS 3.3) | Lea | Atanasova | Functional diversification of cellobiose dehydrogenases uncovers their involvement in multiple nutritional strategies of the mycoparasite <i>Clonostachys rosea</i> |
| B2-26 (exC3-12_CS3.4) | Jolanda | van Munster | Surface analysis tools identify how <i>Aspergillus niger</i> and its enzymes modify lignocellulose |



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WEDNESDAY, FEBRUARY 19th

Room: **LATINI**
h: 18:00

| Speaker and Affiliation | Title of the flash talk (5 minutes) |
|---|---|
| Silvia Laura Toffolatti -Università degli Studi di Milano Dipartimento di Scienze Agrarie e Ambientali Italy | Comparative transcriptome analysis identified novel genes modulated by <i>Plasmopara viticola</i> during interaction with resistant and susceptible grapevine |
| Ulrich Terpitz - Julius Maximilian University Department of Biotechnology and Biophysics | Expansion of fungi enables high resolution in fluorescence microscopy |
| Jaemin Sung - KAIST Biological Sciences | Comparative genomics of endoparasitic fungi, <i>Esteya vermicola</i> |
| Ada Krasevec - National Institute of Chemistry Department of Molecular Biology and Nanobiotechnology | Functional studies of nigerolysins in <i>Aspergillus niger</i> |
| Kar-Chun Tan - Curtin University Centre For Crop and Disease Management Australia | A specific fungal transcription factor controls effector gene expression and orchestrates the establishment of the necrotrophic pathogen lifestyle |
| Muriel Viaud - INRA BIOGER France | Could small interfering RNAs be involved in host specialization in the grey mould fungus <i>Botrytis cinerea</i> ? |
| Dabao Sun Lu - University of Oslo Department of Biosciences | Population genomics of <i>Trichaptum abietinum</i> –a window into fungal speciation |
| Claudia Coleine - University of Tuscia Dept of Ecological and Biological Sciences | Evolution of the stress-adapted black Antarctic cryptoendolithic fungus <i>Friedmanniomyces endolithicus</i> |
| Corinn Small - Technical University of Munich Phytopathology | Pathogen adaptations to host and climate in a wild plant-pathosystem |
| Simona Sanzani - IAMB CIHEAM | MYCOTOXINS AS HOST TISSUE COLONIZATION FACTORS |
| Shira Milo - Hebrew University Microbiology and Phytopathology | Limited DNA repair gene repertoire in Ascomycete yeast revealed by comparative genomics |
| Myrto Tsiknia - Agricultural university of Athens Department of Natural Resources and Agricultural | Drivers of the biogeographical patterns of the endophytic fungal community in the roots of the Greek olive tree variety Koroneiki |
| Sandriele Noriler - University Federal of Parana Pathology | Taxonomy and diversity of <i>Diaporthe</i> endophytic species from Pantanal and Cerrado biomes in Brazil |