



Concurrent Session 1.1 Development and Cell Biology

P.Code	Name	Surname	Title
A3-01	Lisa	Kappel	Cell wall remodeling in the mycoparasite <i>Trichoderma atroviride</i> as important strategy in biocontrol
A3-02	Audra	Rogers	Cellular Control of Proteostasis During Infection-Related Development by the Rice Blast Fungus <i>Magnaporthe oryzae</i>
A3-03	Ainara	Otamendi	Identification and characterization of <i>Aspergillus nidulans</i> ΔflbB mutants showing an aconidial phenotype under phosphate stress
A3-04	Oier	Etxebeste	Transcriptional networks controlling asexual development in <i>Aspergillus nidulans</i> : An evolutionary perspective
A3-05	Sjoerd	Seekles	The effect of cultivation temperature on the heat resistance of <i>Aspergillus niger</i> conidia
A3-06	Leonardo	Peraza-Reyes	Peroxisome and mitochondrial dynamics regulated by Dnm1 and Fis1 are necessary for sexual development in the fungus <i>Podospora anserina</i>
A3-07	Marike	Boenisch	Correlative cellular and organellar changes associated with transcriptional profiles during toxigenesis in <i>Fusarium graminearum</i>
A3-08	Stefanie	Pöggeler	The role of the STRIPAK complex in the sexual development of <i>Sordaria macrospora</i>
A3-09	Linda	Matz	The Ca ²⁺ -dependent proteins PEF1 and ANX14 are part of two different membrane damage response systems in <i>Neurospora crassa</i>
A3-10	Linda	Brain	Characterisation of <i>Fusarium graminearum</i> chitin synthases
A3-11	Yuanwei	Zhang	The histone acetyltransferase Elp3 is required for biofilm formation and virulence in <i>Aspergillus fumigatus</i>
A3-12	Yuichi	Sakamoto	Characterization of the exp2 gene essential for cap expansion in <i>Coprinopsis cinerea</i>
A3-13	Hongchen	Wang	A transient receptor potential-like calcium ion channel in the filamentous fungus <i>Aspergillus nidulans</i>
A3-14	Valentina	Stein	GUL1 interacts genetically with a subunit of the STRIPAK complex and controls hyphal morphology and development of the fungus <i>Sordaria macrospora</i>
A3-15	Valentin	Wernet	The STRIPAK component Pro22 regulates trap morphogenesis in the nematode- trapping fungus <i>Duddingtonia flagrans</i>
A3-16	Momotaka	Uchida	Exploration of the genetic cause of female sterility in the rice blast fungus
A3-17	Syun-ichi	Urayama	Characterization of extracellular membrane vesicle in liquid culture of <i>Magnaporthe oryzae</i> and <i>Aspergillus oryzae</i>
A3-18	Abdulla Al	Mamun	Identification of novel proteins for fungal cell-to-cell communication by localization screening from multicellularity-specific uncharacterized genes
A3-19	Ken	Miyazawa	The mechanism of hyphal aggregation in liquid culture of <i>Aspergillus oryzae</i>
A3-20	Claudia	León-Ramírez	The role of the Tec1 Transcription Factor (TEAD) during the development and differentiation of the Basidiomycota fungus <i>Ustilago maydis</i> .
A3-21	Federico	Lopez-Moya	PKC pathway and NOX1 mediate cell wall changes and cytoskeleton alterations caused by chitosan on <i>Magnaporthe oryzae</i>
A3-22	Daniel	Avitan	The iron chealtor BPS is a novel inducer of hyphal morphogenesis in <i>Candida albicans</i>
A3-23	Sara	Cea-Sanchez	Regulation of conidiation by the velvet complex in <i>Neurospora crassa</i>
A3-24	Natalia	Escobar	Role of <i>Schizophyllum commune</i> homeodomain transcription factors during mushroom formation
A3-25	Melisa	Álvarez-Sánchez	The role of the Endoplasmic Reticulum-Mitochondria Encounter Structure in the sexual development of the fungus <i>Podospora anserina</i>
A3-26	Thomas	Pearson	Sexual hormones from <i>Pyrenopeziza brassicae</i> (light leaf spot) for disease control
A3-27	Jose	Sanchez-Arreguin	Blue and red light photoreceptors are involved in basidiocarps development by <i>Ustilago maydis</i>

Concurrent Session 1.2 Cell regulation and signalling

P. Code	Name	Surname	Title
A1-01	Susanne	Zeilinger	<i>Trichoderma atroviride</i> mycoparasitism and its regulation by the TOR signaling pathway
A1-02-a	Wolfgang	Hinterdobler	Austrian <i>Trichoderma spp.</i> impact mycotoxin production of the plant pathogen <i>Fusarium graminearum</i>
A1-02-b	Wolfgang	Hinterdobler	The interplay between ENV1 and VEL1 is crucial for appropriate mating partner recognition and chemical communication in <i>Trichoderma reesei</i>
A1-03	Sabrina	Beier	Sensing by GPR16 impacts balanced regulation of enzyme production and chemical communication in <i>Trichoderma reesei</i>
A1-04	Dean	Frawley	A conserved mitogen-activated protein kinase pathway regulates development and secondary metabolism in three <i>Aspergillus</i> species
A1-05	Irene	Picazo	Effects of ambient alkaline pH on gene expression: a key regulatory role for the cation-homeostasis transcription factor Slta
A1-06	Ana	Alonso	Dissecting functional domains in the cation stress response transcription factor Slta
A1-07	Monika	Schmoll	RGS domain containing G-protein coupled receptors impact chemical communication in <i>Trichoderma reesei</i>
A1-08	Fernando	Suaste-Olmos	Cell dynamics of the peroxisomal protein Pex13 of <i>Podospira anserina</i>
A1-09	Hamzeh	Haj Hammadeh	BRO-1 localize in vesicles and represent a sub- popular special for fusion, The Suppression of bro-1 expression results in cell-cell fusion deficiencies
A1-10	Anne	Oostlander	SIP-1 is essential for germling fusion of <i>Neurospora crassa</i> , probably by mediating the initiation of cell-cell communication
A1-11	Patrycja	Chudzicka-Ormaniec	Subcellular localisation of GATA transcription factors AreB and AreA under different carbon and nitrogen regimes in <i>Aspergillus nidulans</i> .
A1-12	Emmanouil	Bastakis	UspA protein and CandA complex control different stages of protein recycling in filamentous fungi
A1-13	Marjatta	Raudaskoski	Nuclear movements and the cytoskeleton during <i>Schizophyllum commune</i> mating interactions in living hyphae
A1-14	Katharina	Bersching	Rapid adaptation of signaling networks in the fungal pathogen <i>Magnaporthe oryzae</i>
A1-15	Sri	Bühring	Alternative splicing as an element of signal transduction in multi-step phosphorelay systems in fungi
A1-16	Javier	Pardo Medina	A novel lncRNA involved in the regulation of carotenoid biosynthesis in <i>F. fujikuroi</i>
A1-17	Lu	Ling	A novel mechanism of mitochondrial dysfunctions-triggered the calcium signalling-dependent fungal multidrug resistance
A1-18	Carmen	Limon	Functional studies of the role of the RING-Finger protein CarS in <i>Fusarium fujikuroi</i>
A1-19	Kyung-Tae	Lee	Uncovering the essential transcription factors of <i>Cryptococcus neoformans</i>
A1-20	Shizhu	Zhang	The <i>Aspergillus fumigatus</i> transcription factor SomA couples exopolysaccharide galactosaminogalactan synthesis and cell wall integrity
A1-21	Jin	Jae-Hyung	Systematic Functional analysis of phosphatase networks in human fungal pathogen <i>Cryptococcus neoformans</i>
A1-22	Kevin	Schmitz	Because lineage matters: Screening <i>Aspergillus niger</i> strains for endogenous pectinase activity
A1-23	Gábor	Nagy	Survival factor genes of <i>Mucor circinelloides</i> and their role in virulence
A1-24	Antonia	Barberio	MAT loci regulate development and virulence of the fungal pathogen <i>Fusarium oxysporum</i>
A1-25	Liu	Weifeng	A ubiquitin-conjugating enzyme regulates <i>Trichoderma reesei</i> cellulase gene expression via facilitating Xyr1 binding to promoters
A1-26	Ulrich	Kück	STRIPAK dependent phosphorylation of target proteins in the filamentous fungus <i>Sordaria macrospora</i>
A1-27	Ignacio	Bravo-Plaza	Identification of the guanine nucleotide exchange factor for SAR1 in the filamentous fungal model <i>Aspergillus nidulans</i>
A1-28	J. Philipp	Benz	Sugars “in-sight” – towards a new view of carbohydrate signaling and perception by ‘omics’ analyses of <i>Neurospora crassa</i>
A1-29	Barbara	Ramsak	New structural and biochemical insights into gene regulation by MAT1-1-1 transcription factor from <i>Aspergillus fumigatus</i>

A1-30	Barbara	Ramsak	Structure-function analysis of mating-type proteins from the penicillin-producing ascomycete <i>Penicillium chrysogenum</i>
A1-31	Matthias	Misslinger	The monothiol glutaredoxin GrxD is essential for sensing iron starvation in <i>Aspergillus fumigatus</i>
A1-32	Luis	Larrondo	Circadian regulation of a mycoparasitic interaction between <i>Botrytis cinerea</i> and <i>Trichoderma atroviride</i>
A1-33	Kim	Donghyeun	Antifungal Susceptibility is Modulated by pH in <i>Cryptococcus neoformans</i>
A1-34	Benjamin	Horwitz	Dephosphorylation of the stress-activated MAP kinase Hog1 of the maize pathogen <i>Cochliobolus heterostrophus</i> in response to a plant phenolic acid
A1-35	Kim	Jong-Hwa	MpkB MAP kinase pathway is required for sexual development, but not for mycotoxin production, in <i>Aspergillus nidulans</i> and <i>Aspergillus flavus</i>
A1-36	Kap-Hoon	Han	VosA-dependent ascospore gene expression in <i>Aspergillus nidulans</i>
A1-37	Inoue	Taishi	Comprehensive and comparative analysis of transcription start sites suggests diversity in transcriptional regulation of glycolytic genes in Aspergilli
A1-38	Ranjan	Tamuli	Calcium signaling genes play a role in stress tolerance, thermotolerance, cellulose degradation, and circadian clock in <i>Neurospora crassa</i>
A1-39	Ranjan	Tamuli	Calcium signaling genes play an important role in tolerance to calcium stress and survival under various stress conditions in <i>Neurospora crassa</i>
A1-40	Claudia G.	León-Ramírez	Transcriptomic analysis of the genes involved in the dimorphic transition of <i>Ustilago maydis</i> induced by ethanol as a carbon source
A1-41	Jose	Sanchez-Arreguin	Chitin desacetylase (CDA1) is required for <i>Ustilago maydis</i> virulence
A1-42	Fernando	Perez Rodriguez	Genetic regulation of <i>Ustilago maydis</i> cellular differentiation processes by polyamines
A1-43	Hu	Guanggan	Grx4 influences growth at elevated temperature and cell wall integrity via the calcineurin and Mpk1 signaling pathways in <i>Cryptococcus neoformans</i>
A1-44	Shoki	Fujita	CreD ubiquitination required for endocytic degradation of the maltose transporter MalP in <i>Aspergillus oryzae</i>
A1-45	Anezia	Kourkoulou	UapA-membrane lipid interactions are crucial for ER-exit, dimerization, function and expression of mammalian transporters in <i>A. nidulans</i>
A1-46	Georgia	Papadaki	Roles of the cytosolic tails and the last two transmembrane domains in NCS1/FUR family of transporters
A1-47	Mariangela	Dionysopoulou	Functional reconstitution of the fungal UapA transporter in proteoliposomes: role of membrane lipids and stabilizing mutations
A1-48	Sofia	Dimou	Nutrient transporter translocation to the plasma membrane via Golgi bypass in <i>Aspergillus nidulans</i>
A1-49	Jose Antonio	Perez Ruiz	An atypical heat-shock protein interacts with the key ribonuclease of a dicer-independent RNAi mechanism in <i>Mucor circinelloides</i>
A1-50	Abdulrahman	Kelani	Characterization and function of the RNA interference machinery of <i>Aspergillus fumigatus</i>
A1-51	Jose Tomas	Canovas Marquez	Functional characterization of an atypical RNase III involved in a RNAi-related mechanism of RNA degradation in <i>Mucor circinelloides</i>
A1-52	Jin Young	Kim	Unveiling of Complex Signaling Networks Involved in the Developmental Process of the Fungal Pathogen <i>Cryptococcus neoformans</i>
A1-53	Minjae	Lee	Systematic Dissection of Host-derived Cues for the Regulation of Pathogenicity-related Transcription Factors in Human Fungal Pathogen
A1-54	Yeseul	Choi	Discovering the role of the casein kinase 2 complex in the pathogenicity of the human fungal meningitis pathogen <i>Cryptococcus neoformans</i>
A1-55	Yu-Byeong	Jang	Crosstalk of Hog1, Mpk1 and Cpk1 MAPK pathways regulate the cell wall and cell membrane integrity in <i>Cryptococcus neoformans</i>
A1-56	Irina	Druzhinina	Intracellular functions of hydrophobins and other surface-active proteins in <i>Trichoderma</i>

Concurrent Session 1.3 Primary and Secondary metabolism

P. Code	Name	Surname	Title
A2-01	Amon	Judit	<i>In vitro</i> enzyme evolution of Purine Hydroxylase I (HxA) and Purine Hydroxylase II (HxnS)
A2-02	Eszter	Bokor	The nicotinic acid pathway of <i>Aspergillus nidulans</i> includes a reversible conversion to 6-hydroxynicotinic acid
A2-03	Zsuzsanne	Hamari (E. Bokor)	Structural homology function predictions for fungal nicotinate catabolising enzymes
A2-04	Nancy	Keller	Diversity of metabolic profiles and evolutionary forces acting in secondary metabolism gene clusters of <i>Aspergillus nidulans</i>
A2-05	Levente	Karaffa	Comparative performance of <i>Aspergillus terreus</i> itaconic acid fermentations on D-xylose and xylitol
A2-06	Peter	Punt	Rewiring metabolic pathways for organic acid production in the filamentous fungus <i>Aspergillus niger</i>
A2-07	Mark	Arentshorst	Loss of function of the carbon catabolite repressor CreA leads to inducer independent expression of the ferulic acid esterase B gene in <i>A. niger</i>
A2-08	Fabio	Gsaller	Genetic engineering of fungi exploiting pyrimidine salvage pathway-based self-encoded selectable markers
A2-09	Luis Enrique	Sastré Velásquez	Pyrimidine salvage enzymes and their role in the metabolization of fluoropyrimidines in <i>Aspergillus fumigatus</i>
A2-10	Hendrik	Neumann	Identification and heterologous expression of putative NRPS-like and PKS coding genes from <i>Guignardia bidwellii</i> in <i>Magnaporthe oryzae</i>
A2-11	Mario	Aguar	Sit1 and Sit2 mediate utilization of ferrichrome-type and ferrioxamine-type siderophores in
A2-12	Ana	Calvo	<i>rmtA</i> -Dependent Transcriptome and its Role in Secondary Metabolism, Environmental Stress, and Virulence in <i>Aspergillus flavus</i>
A2-13	Tania	Chroumpi	Engineering pentose catabolism of <i>Aspergillus niger</i> for the production of metabolites from lignocellulosic biomass
A2-14	Audrey	Masi	Understanding parameters enhancing erythritol consumption, a prerequisite to the development of an efficient erythritol production process in <i>T. reesei</i>
A2-15	Grzegorz	Koczyk	Parallel phylogenomic roadmapping - disentangling widespread transfers and recombinations in the evolution of fungal macrolactone clusters
A2-16	Michał	Kawaliło	Screening and annotation of potential benzenediol lactone producers among higher fungi
A2-17	Bo	Yuan	Genome Mining of the Biosynthetic Gene Cluster of Citrinalin A in <i>Penicillium citrinum</i> using CRISPR-Cas9
A2-18	Ronnie	Lubbers	Cinnamic acid and sorbic acid conversion are mediated by the same transcriptional regulator in <i>Aspergillus niger</i>
A2-19	Nadine	Hochenegger	Bioprospecting a newly identified fungus from the Borneo rain forest regarding its bioactive properties
A2-20	Katharina	Regnat	Erythritol in <i>Trichoderma reesei</i> - Construction of a multirecombinant production strain
A2-21	Klaus Ringsborg	Westphal	Isolation and identification of an unusual, modified, cyclic hexapeptide from the filamentous fungus <i>Fusarium graminearum</i>
A2-22	Lorena	Ranquel	Genetic characterization and virulence contribution of the beticolin toxin produced by the sugar beet pathogen <i>Cercospora beticola</i>
A2-23	Ninomiya	Akihiro	Secondary metabolic response of <i>Aspergillus nidulans</i> to intimate interaction with <i>Aspergillus fumigatus</i>
A2-24	Mikkel Rank	Nielsen	Solving the polyketide pigmentation puzzle in <i>Fusarium solani</i>
A2-25	Giulia	Mirabile	Cellulolytic activity in <i>Aspergillus</i> spp. contaminating livestock feeds and raw materials
A2-26	Daren	Brown	Genus-wide analysis of <i>Fusarium</i> polyketide synthases uncovers broad natural product potential
A2-27	Hans Kristian	Mattila	Oxygen depletion triggers metabolic and transcriptomic response on wood decay and ethanol production in the white rot fungus <i>Phlebia radiata</i>
A2-28	Christian	Derntl	A pair of transcription factors regulates the switch between primary and secondary metabolism
A2-29	Giancarlo	Perrone	Genomic evidence of the involvement of a cyclase gene in the biosynthesis of ochratoxin A
A2-30	Eva	Vogt	Ribosomal peptides derived from KEX2-processed repeat proteins (KEPs) in fungal defense and development
A2-31	Davide	Spadaro	Role of GsfR1 and global regulators on griseofulvin and other secondary metabolites biosynthesis and on growth and virulence of <i>Penicillium griseofulvum</i>
A2-32	Emmanuel	Matabaro	Omphalotin, lentinulin and dendrothelin: Homologous members of a new family of RiPPs

A2-33	Sami	Havukainen	Studies on sugar transporter CRT1 reveal new characteristics that are critical for cellulase induction in <i>Trichoderma reesei</i>
A2-34	Ling	Shen	Complementary strategies to unlock secondary metabolite gene clusters in the filamentous fungus <i>Podospora anserina</i>
A2-35	Laszlo	Mozsik	Synthetic control devices for gene regulation in <i>Penicillium chrysogenum</i>
A2-36	Mizuki	Tanaka	Identification of three transporters involved in di/tri-peptide uptake in <i>Aspergillus oryzae</i>
A2-37	Ekaterina	Shelest	Phylogenetic and binding pocket analysis of fungal adenylation domains towards their substrate specificity predictions



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TUESDAY, FEBRUARY 18th
 Room: **LATINI**
 h:18:00

Speaker and Affiliation	Title of the Flash Talk (5 minutes)
Sjoerd J. Seekles - Leiden University Institute of Biology Leiden	The effect of cultivation temperature on the heat resistance of <i>Aspergillus niger</i> conidia
Stefanie Pöggeler - Georg-August University Göttingen	The role of the STRIPAK complex in the sexual development of <i>Sordaria macrospora</i>
Linda Matz - TU Braunschweig Institute for Genetics	The calcium-dependent proteins PEF1 and ANX14 are part of two different membrane damage response systems in <i>Neurospora crassa</i>
Irina Druzhinina - Nanjing Agricultural University	Intracellular functions of hydrophobins and other surface-active proteins in <i>Trichoderma</i>
Ulrich Kück - Ruhr-University Bochum	STRIPAK dependent phosphorylation of target proteins in the filamentous fungus <i>Sordaria macrospora</i>
Antonia Barberio - University of Molise - Italy	MAT loci regulate development and virulence of the fungal pathogen <i>Fusarium oxysporum</i>
Hendrik Neumann - Institute of Molecular Physiology Microbiology and Wine Research	Identification and heterologous expression of putative NRPS-like and PKS coding genes from <i>Guignardia bidwellii</i> in <i>Magnaporthe oryzae</i>
Lorena Rangel - U.S. Department of Agriculture Northern Crop Science Laboratory	Genetic characterization and virulence contribution of the beticolin toxin produced by the sugar beet pathogen <i>Cercospora beticola</i>
Hans Kristian Mattila - University of Helsinki Department of Microbiology	Hypoxia is regulating wood decomposition and intracellular carbohydrate metabolism in filamentous white rot fungus - Towards sustainable bioethanol