



26TH SEPTEMBER 2024

2024

4TH MYCOLOGY TYROL SYMPOSIUM



WELCOME



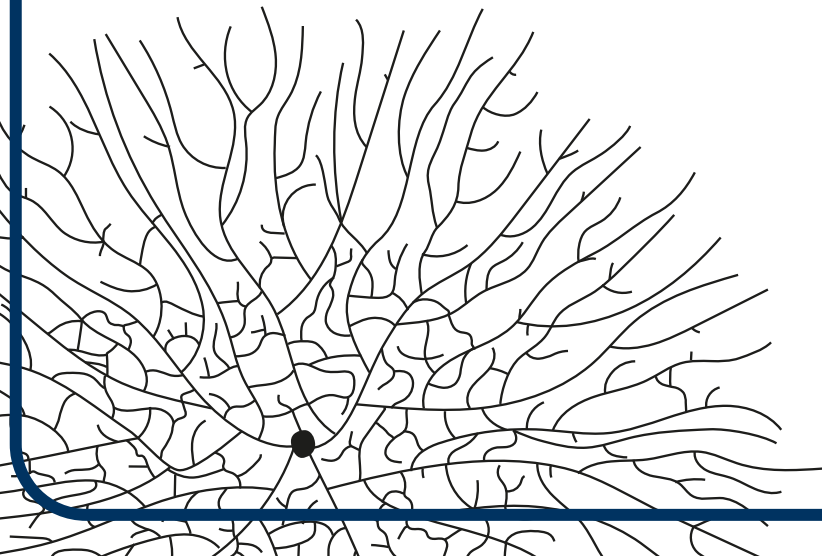
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The **4th Mycology Tyrol Mini-Symposium** will create a highly interdisciplinary scientific exchange and discussion platform on topics including Molecular Fungal Cell Biology, Fungal Physiology, Environmental Mycology, Microbial Resource Management, Clinical Mycology and Fungal Biocontrol. Researchers from the **Medical University of Innsbruck** and the **University of Innsbruck** will join forces to present their latest advancements in these fields and discuss novel trends. In addition to plenary sessions, students and postdoctoral researchers will have the opportunity to present their projects and receive feedback from the community in open poster sessions. The concluding open mixer will provide time for extensive networking and for finding collaboration opportunities. This one-day symposium is free and open to everyone with a special interest in modern mycological research.

We wish all attendees a productive and enjoyable day.

Your organization Team



PROGRAMME

TIME	SESSION
8:30 - 8:50	Registration
8:50 - 9:00	Opening remarks
09:00 - 09:40	Key note lecture 1 Joseph Strauss
09:40 - 10:40	Plenary session 1 09:40 - 10:00 Daniel Flatschacher 10:00 - 10:20 Ingo Bauer 10:20 - 10:40 Cornelia Speth
10:40 - 11:40	Coffee break with poster viewing session 1 (odd numbers) and sponsors
11:40 - 12:40	Plenary session 2 11:40 - 12:00 Ulrike Binder 12:00 - 12:20 Markus Neurauter 12:20 - 12:40 Andrea Garvetto
12:40 - 13:40	Lunch break
13:40 - 14:40	Plenary session 3 13:40 - 14:00 Fabio Gsaller 14:00 - 14:20 Georg Walch 14:20 - 14:40 Sophia Strobl
14:40 - 15:40	Coffee break with poster viewing session 2 (even numbers) and sponsors
15:40 - 16:40	Plenary session 4 15:40 - 16:00 Mario Gründlinger 16:00 - 16:20 Katharina Russ 16:20 - 16:40 Günter Rambach
16:40 - 17:20	Key note lecture 2 Ilse Denise Jacobsen
17:20 - 17:40	Closing remarks and prizes
From 17:40	Open mixer with drinks & snacks

TALKS – PLENARY SESSIONS

PLENARY SESSION 1

Flatschacher, Daniel	Linking a polyketide synthase gene cluster to 6-pentyl-alpha-pyrone, a <i>Trichoderma atroviride</i> metabolite with diverse bioactivities
Bauer, Ingo	Online biomass monitoring enables characterization of the growth pattern of <i>Aspergillus fumigatus</i> in liquid shake conditions
Speth, Cornelia	The fungus-carcinoma axis: is <i>Malassezia</i> able to survive in pancreas and to contribute to Pancreatic Ductal Adenocarcinoma

PLENARY SESSION 2

Binder, Ulrike	Experimental preclinical imaging-compatible animal models of mucormycosis
Neurauter, Markus	Exploring Near-Infrared Spectroscopy, Hyperspectral Imaging and MALDI-TOF Mass Spectrometry as novel Characterization Methods for Anaerobic Gut Fungi
Garvetto, Andrea	Under the cover of darkness: how clubroot disease affect <i>Arabidopsis thaliana</i> physiology during the night

PLENARY SESSION 3

Gsaller, Fabio	Boosting <i>Aspergillus</i> antifungal research combining multiplex CRISPR/Cas9 with counter-selection
Walch, Georg	Microbial growth in floor constructions after water damage and artificial suction drying
Strobl, Sophia	Exploring the enzymatic potential of Anaerobic Gut Fungi

PLENARY SESSION 4

Gründlinger, Mario	Simply cut out – Combining CRISPR/Cas9 RNPs and transiently selected telomere vectors for marker free-gene deletion in <i>Trichoderma atroviride</i>
Russ, Katharina	Exploring differences in wood decay and pigment patterns among <i>Serpula lacrymans</i> strains
Rambach, Günter	The antiseptic N-Chlorotaurine demonstrates its efficacy as inhaled therapeutic in a murine model of <i>Aspergillus fumigatus</i> pneumonia

POSTER

1	Neurauter, Markus	Eight-year simulated drought to infer the impact of climate change on ectomycorrhizal and soil microbial communities in alpine spruce and larch forest
2	Hahn, Lisa	In vitro Susceptibility Testing of Rare Moulds "RaMo Study"
3	Binder, Ulrike	An Automated ilastik-based Workflow for Fungal Cell Morphology Analysis, Counting and Data Analysis: Enhancing Throughput and Accuracy with caactus (cell analysis and counting Tool using ilastik software)"
4	Szedlacsek, Sophie	Sequence-guided targeted isolation of <i>Mortierellaceae</i> from glacier forefields
5	Rainer, Alina	Occurrence of environmental Mucorales with clinical relevance in Tyrol
6	Huymann, Lesley	Unveiling Hidden Treasures: Revising taxonomy of South American phlegmacioid <i>Cortinarii</i>
7	Steixner, Stephan	Improvement in diagnosis of urinary tract infections caused by <i>Candida spp.</i> in patients with indwelling urinary catheters
8	Kirschner, Stefanie	Potential effects of climate change on brown algae-parasite interactions
9	Schobert, Jan	Distribution of <i>Aspergillus terreus</i> in soil in Tyrol, Austria
10	Birštonas, Lukas	Elucidating the contribution of AtrR in <i>Aspergillus fumigatus</i> triazole resistance
11	Flatschacher, Daniel	A polyketide synthase gene cluster in <i>Trichoderma atroviride</i> is involved in 6-pentyl-alpha-pyrone biosynthesis
12	Caballero Fiz, Patricia	The acyltransferase SidF is involved in biosynthesis of fusarinine-type and ferrichrome-type siderophores in <i>A. fumigatus</i>
13	Wagner, Andreas	The binding capacities of three filamentous fungi to remediate floating microplastic particles
14	Wagner, Andreas	Towards a better understanding of <i>Trichoderma viride</i> pre-treatment for subsequent anaerobic digestion

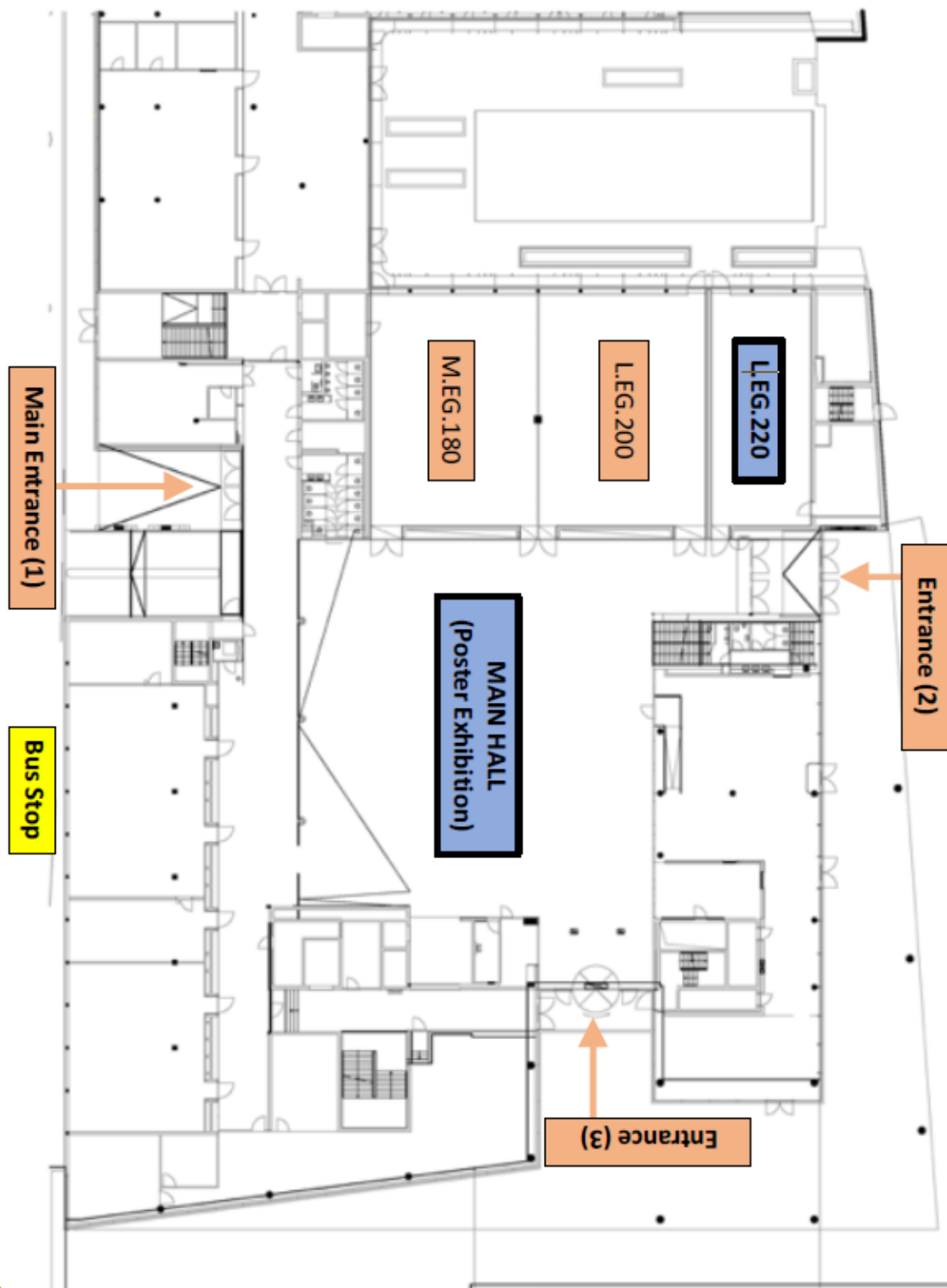
POSTER

15	Seeber, Angelika	Are <i>Penicillia</i> spp. and <i>Talaromyces</i> spp. large scale producers of potent anticancer PDT-agents?
16	Schwarzkopf, Sophie	Spot on! Light-activatable pigments of South American <i>Cortinarii</i>
17	Zöhrer, Julia	Tracing different fractions of spiked environmental DNA using multiplex dPCR assays
18	Santhosh, Anagha	Immunophilins conserved across three phytomyxid pathogens and associated production of reactive oxygen species
19	Hittorf, Michaela	Identifying cell wall related processes in brown algae during infection with <i>Maullinia ectocarpii</i>
20	Meitinger, Markus Andreas	Phenotyping of <i>Talaromyces wortmannii</i> and <i>Beauveria brongniartii</i> regarding morphology, growth and chemical diversity by combination of OSMAC – approach and co-culturing
21	Schwarz, Alex	Taxonomy and host range of <i>Polymyxa graminis</i> (<i>Phytomyxea</i>)
22	Rungger, Katja	Intratumoral microorganisms and their effect on antitumor immunity
23	Oberdanner, Anna	<i>azg1</i> as negative selectable marker for <i>Trichoderma atroviride</i>
24	Mirzaei Moghadam, Elahe	Antifungal activity of secondary metabolites of the endophytic fungus, <i>Paraleptosphaeria</i> sp., against <i>Botrytis cinerea</i>
25	Bertelsen-Schreiner, Marius	Optimizing CRISPR-assisted transformation in <i>Trichoderma</i> species using the negative selectable marker <i>azg1</i>
26	Egger, Valeria	Life without peroxisomes? Deletion of <i>pex3</i> in <i>Trichoderma atroviride</i>
27	Oberegger, Simon	The BolA Family Protein Bol3 is Dual Localised by Alternative Translation Initiation in <i>A. fumigatus</i>
28	Haas, Hubertus	Elucidation of species-specific fungal siderophore recognition
29	Lucia Colleselli	Biosynthesis of silver nanoparticles using <i>Penicillium ochrochloron</i> and <i>Saccharomyces cerevisiae</i> extracts

Odd numbers session 1- Even Numbers Session 2 - Please be at the Poster in your poster viewing session!

FLOOR PLAN (GROUND FLOOR CCB)

The 4th Mycology Tyrol Mini-Symposium will take place in the ground floor of the CCB in **L.EG.220** (talks) and the **Main Hall** (poster presentations / networking).



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