

Chemical Ecology

- P1** **Dubraska Moreno-Ruiz**, *University of Innsbruck*
The impact of redox regulation on the stress response of *Aspergillus fumigatus* and its role in host-pathogen interaction
- P2** **Verena Speckbacher**, *University of Innsbruck*
The lipoxygenase gene *lox1* affects growth and the response to injury in *Trichoderma atroviride*
- P3** **Tom Lauterbach**, *Leibniz Institute for Natural Product Research and Infection Biology -Hans Knöll Institute, Jena*
Hazardous vapours: Discovery of volatile antifungal compounds from *Dictyostelium discoideum*
- P4** **Aishwarya Murali**, *Max Planck Institute For Chemical Ecology, Jena*
Elucidating the role of *Enterococcus mundtii* in pupal phase of *Spodoptera littoralis*
- P5** **Chantal Selina Ingham**, *Johannes Gutenberg University Mainz*
Rooting NO-driven host-symbiont coevolution in beewolves
- P6** **Nina Kreuzenbeck**, *Leibniz Institute for Natural Product Research and Infection Biology -Hans Knöll Institute, Jena*
Does *Termitomyces* spp., the fungal mutualist of farming termites, contribute to the defence of the termite microverse?
- P7** **Colette Kurth**, *Leibniz Institute for Natural Product Research and Infection Biology -Hans Knöll Institute, Jena*
Bacterial-algal interactions mediated by siderophores

Natural Products

- P8** **Johann Kufs**, *Leibniz Institute for Natural Product Research and Infection Biology -Hans Knöll Institute-, Jena*
Identification of the biosynthetic gene cluster for the sphingolipid inhibitor sphingofungin in *Aspergillus fumigatus*
- P9** **Jan Frieder Mohr**, *Friedrich Schiller University Jena*
Bacteria - mycorrhizal fungus interaction: Metallophore production in *Frankia* and *Laccaria laccata*
- P10** **Daniel Braga**, *Friedrich Schiller University Jena*
Towards the Biosynthesis of Exotic Cofactors F420 in *Escherichia coli*
- P11** **Anna-Marie Makarova**, *The Czech Academy of Sciences, Prague*
Antimicrobial peptides
- P12** **Alejandro Carrion Sanabria**
Genetic manipulation of the biosynthetic gene cluster of the cyanobacterial secondary metabolite Nocuolin A
- P13** **Nils Jäger**, *Friedrich Schiller University Jena*
BasR - A novel regulator of cryptic natural product biosynthesis in *Aspergillus nidulans*
- P14** **Florian Baldeweg**, *Leibniz Institute for Natural Product Research and Infection Biology -Hans Knöll Institute, Jena*
Structure elucidation of ralsolamycin and its contribution to the virulence of the crop pathogen *Ralstonia solanacearum* GMI1000
- P15** **Mario Krespach**, *Leibniz Institute for Natural Product Research and Infection Biology -Hans Knöll Institute, Jena*
Creating a himar1 transposon-based *Streptomyces iranensis* mutant library to identify elicitors of *Aspergillus nidulans* secondary metabolism

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The interplay between *Lichtheima corymbifera* and alveolar macrophages from a surface protein perspective

P17 Tina Mueller, *University Hospital Jena*

Host defense mechanisms against fungal pathogens mediated by Sphingolipids

P18 Diana Carolina Pimentel Betancurt, *National University of Río Cuarto*

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P19 Wendy Díaz-Beltrán, *University of Veracruz*

Inhibition of *Toxoplasma gondii* proliferation by mTor blockers.

P20 Enrico Garbe, *Friedrich Schiller University Jena*

Refined protein tagging strategies for ChIP-Sequencing of the transcription factor Stp2 in the fungal pathogen *Candida albicans*

P21 Dolly Montano, *Friedrich Schiller University Jena*

Contribution of surface attributes to the infection of host cells with the mucormycotic agent *Lichtheimia corymbifera*

P22 Vandana Arakandy, *University Hospital Jena*

Metabolic cross talk between host and *S. aureus* during chronic osteomyelitis

P23 Antje Häder, *Septomics Research Centre, Jena*

Gene-expression profiling to identify pathogen-specific activation patterns in human monocytes

P24 Jakob Sprague, *Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute, Jena*

Different phagocytic efficiencies of yeast species by a fungivorous amoeba shed light on ancient patterns for the recognition of fungi

P25 Sophia Ruben, *Septomics Research Centre, Jena*

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P27 Ann-Kathrin Fleischer, *Leibniz Institute for Natural Product Research and Infection Biology –*

The authors of the abstracts are responsible for their content.

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Characterization of *Aspergillus*-induced Macrophage-derived Extracellular Vesicles

P28 **Shalaleh Masoumi**, *Kerman University of Medical Sciences*

Evaluation of synergistic effect of TiO², ZnO nanoparticles and amphiphilic peptides (mastoparan-B, indolicidin) against drug-resistant *Pseudomonas aeruginosa*, *Klebsiella pneumoniae* and *Acinetobacter baumannii*

P29 **Katherine González Rojas**, *Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute, Jena*

Prodrug nanoparticles as treatment for *Aspergillus fumigatus* conidia residing in macrophages

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Fe isotope fractionation during simulated BIF metamorphism via abiotic Fe(III) reduction by organic carbon from microbial biomass

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P32 Lali Koptonashvili, Sokhumi State University, Tbilisi

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P33 Liliana Tskitishvili, Sokhumi State University, Tbilisi

The Study of the Influence of Stepalol E and Green Tea in *H. pylori* Infected Mice

P34 Piotr Jachimowicz, University of Warmia and Mazury in Olsztyn

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Biofilms, a lifestyle that defies changes?

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Use of targeted gene replacement for the study on a *Streptomyces* Na⁺/H⁺ antiporter gene

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Phragmites australis — a helophytic grass — can establish successful partnership with phenol-degrading bacteria in a floating treatment wetland

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Automated image analysis methods for the quantification of cell damage and adherent fungal cells

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The suspiciousness of a single undercover agent - Why quantity matters in camouflage of pathogenic fungi

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Agent-based modeling of *Aspergillus fumigatus* infection in mouse alveoli

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Predictive Virtual Infection Modeling of Microbial Immune Evasion in Human Whole-Blood

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Predicting Nutritional Uptakes of *Bacillus subtilis* by Integrating Gene Expression Profiles into Metabolic Constrained-Based Models

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