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Projects

Former Projects

The role of virulence determinants of the human pathogenic fungus *Aspergillus fumigatus* in the defense against fungivorous amoeba

[Details](#)

Publications

Ferling I, Dunn JD, Ferling A, Soldati T, Hillmann F (2020) Conidial Melanin of the Human-Pathogenic Fungus *Aspergillus fumigatus* Disrupts Cell Autonomous Defenses in Amoebae. *mBio* 11(3), [Details](#) [PubMed](#)

Janevska S, Ferling I, Jojić K, Rautschek J, Hoefgen S, Proctor RH, Hillmann F, Valiante V (2020) Self-Protection Against the Sphingolipid Biosynthesis Inhibitor Fumonisin B 1 Is Conferred by a FUM Cluster-Encoded Ceramide Synthase *mBio* 11(3), e00455-20. [Details](#) [PubMed](#)

Radosa S, Ferling I, Sprague JL, Westermann M, Hillmann F (2019) The different morphologies of yeast

and filamentous fungi trigger distinct killing and feeding mechanisms in a fungivorous amoeba. *Environ Microbiol* 21(5), 1809-1820. [Details PubMed](#)

Hillmann F, Forbes G, Novohradská S, Ferling I, Riege K, Groth M, Westermann M, Marz M, Spaller T, Winckler T, Schaap P, Glöckner G (2018) Multiple Roots of Fruiting Body Formation in Amoebozoa. *Genome Biol Evol* 10(2), 591-606. [Details PubMed](#)

Novohradská S, Ferling I, Hillmann F (2017) Exploring Virulence Determinants of Filamentous Fungal Pathogens through Interactions with Soil Amoebae. *Front Cell Infect Microbiol* 7, 497. [Details PubMed](#)

Geib E, Gressler M, Viediarnikova I, Hillmann F, Jacobsen ID, Nietzsche S, Hertweck C, Brock M (2016) A Non-canonical Melanin Biosynthesis Pathway Protects *Aspergillus terreus* Conidia from Environmental Stress. *Cell Chem Biol* 23(5), 587-597. [Details PubMed](#)