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Projects

Former Projects

Investigation of the stress response system of *A. fumigatus* by redox proteomics
Details

Publications

Shekhova E, Ivanova L, Krüger T, Stroe MC, Macheleidt J, Kniemeyer O, Brakhage AA (2019) Redox Proteomic Analysis Reveals Oxidative Modifications of Proteins by Increased Levels of Intracellular Reactive Oxygen Species during Hypoxia Adaptation of *Aspergillus fumigatus*. *Proteomics* 19(5), e1800339. Details PubMed

Shekhova E, Kniemeyer O, Brakhage AA (2017) Induction of Mitochondrial Reactive Oxygen Species Production by Itraconazole, Terbinafine, and Amphotericin B as a Mode of Action against Aspergillus fumigatus. *Antimicrob Agents Chemother* 61(11), Details PubMed

Kroll K, Shekhova E, Mattern DJ, Thywissen A, Jacobsen ID, Strassburger M, Heinekamp T, Shelest E, Brakhage AA, Kniemeyer O (2016) The hypoxia-induced dehydrogenase HorA is required for coenzyme

Q10 biosynthesis, azole sensitivity and virulence of *Aspergillus fumigatus*. *Mol Microbiol* , Details PubMed

Hillmann F, Shekhova E, Kniemeyer O (2015) Insights into the cellular responses to hypoxia in filamentous fungi. *Curr Genet* 61(3), 441-455. Details PubMed