Dr. habil. Matthias Brock

Alumni

Publikationen

Brandenburger E, Gressler M, Leonhardt R, Lackner G, Habel A, Hertweck C, Brock M, Hoffmeister D (2017) A highly conserved basidiomycete peptide synthetase produces a trimeric hydroxamate siderophore. *Appl Environ Microbiol* 83(21), e01478.

Details

Hsieh SH, Brunke S, Brock M (2017) Encapsulation of antifungals in micelles protects *Candida albicans* during gall-bladder infection. *Front Microbiol* 8, 117.

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Skrahina V, Brock M, Hube B, Brunke S (2017) *Candida albicans* Hap43 domains are required under iron starvation but not excess. *Front Microbiol* 8, 2388.

Details

Geib E, Gressler M, Viediernikova 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.

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Naranjo-Ortíz MA, Brock M, Brunke S, Hube B, Marcet-Houben M, Gabaldón T (2016) Widespread inter- and intra-Ddmain horizontal gene transfer of d-amino acid metabolism enzymes in eukaryotes. *Front Microbiol* 7, 2001.

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Brock M (2015) Bringing light into the dark site of infection. *Cytometry Part A* [Epub ahead of print] (Review)

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Gressler M, Hortschansky P, Geib E, Brock M (2015) A new high-performance heterologous fungal expression system based on regulatory elements from the *Aspergillus terreus* terrein gene cluster. *Front Microbiol* 6, 184.

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Gressler M, Meyer F, Heine D, Hortschansky P, Hertweck C, Brock M (2015) Phytotoxin production in Aspergillus terreus is regulated by independent environmental signals. *eLife* 4, e07861.

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Brunke S, Seider K, Richter ME, Bremer-Streck S, Ramachandra S, Kiehntopf M, Brock M, Hube B (2014) Histidine degradation via an aminotransferase increases the nutritional flexibility of *Candida glabrata*. *Eukaryot Cell* 13(6), 758-765.

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Jacobsen ID, Lüttich A, Kurzai O, Hube B, Brock M (2014) *In vivo* imaging of disseminated murine *Candida albicans* infection reveals unexpected host sites of fungal persistence during antifungal therapy. *J Antimicrob Chemother* 69(10), 2785-2796.

Details

PubMed

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