

Publications

Walther G, Zimmermann A, Theuersbacher J, Kaerger K, von Lilienfeld-Toal M, Roth M, Kampik D, Geerling G, Kurzai O (2021) Eye infections caused by filamentous fungi: Spectrum and antifungal susceptibility of the prevailing agents in Germany. *J Fungi (Basel)* 7(7), 511.

Barber AE*, Weber M, Kaerger K, Linde J, Götz H, Duerschmied D, Markert A, Guthke R, Walther G, Kurzai O (2019) Comparative genomics of serial *Candida glabrata* isolates and the rapid acquisition of echinocandin resistance during therapy. *Antimicrob Agents Chemother* 63(2), e01628-18.

Mura E, Edwards J, Kittelmann S, Kaerger K, Voigt K, Mrázek J, Moniello G, Fliegerova K (2019) Anaerobic fungal communities differ along the horse digestive tract. *Fungal Biol* 123(3), 240-246.

Nessler A, Schauerte N, Geiger C, Kaerger K, Walther G, Kurzai O, Eisenberg T (2019) *Sporothrix humicola* (Ascomycota: Ophiostomatales) - A soil-borne fungus with pathogenic potential in the eastern quoll (*Dasyurus viverrinus*). *Med Mycol Case Rep* 25, 39-44.

Weber M, Schaer J, Walther G, Kaerger K, Steinmann J, Rath PM, Spiess B, Buchheidt D, Hamprecht A, Kurzai O (2018) FunResDB-A web resource for genotypic susceptibility testing of *Aspergillus fumigatus*. *Med Mycol* 56(1), 117-120.

Walther G, Stasch S, Kaerger K, Hamprecht A, Roth M, Cornely OA, Geerling G, Mackenzie CR, Kurzai O, von Lilienfeld-Toal M (2017) Fusarium Keratitis in Germany. *J Clin Microbiol* 55(10), 2983-2995.

Voigt K, Wolf T, Ochsenreiter K, Nagy G, Kaerger K, Shelest E, Papp T (2016) 15 Genetic and metabolic aspects of primary and secondary metabolism of the Zygomycetes In: Hoffmeister D. (eds) Biochemistry and Molecular Biology (ed.) The Mycota Vol. III: 3rd edition. III, pp. 361-385. Springer Verlag, Berlin, Heidelberg, New York. (Review)

Fliegerová K, Kaerger K, Kirk PM, Voigt K (2015) Rumen fungi In: Puniya AK, Singh R, Kamra DN (eds.) Rumen Microbiology: From Evolution to Revolution Chapter 7, pp. 97-112. Springer New Delhi, New Delhi, Heidelberg, New York, Dordrecht, London. ISBN: 978-81-322-2400.

Huyke J, Martin R, Walther G, Weber M, Kaerger K, Bougnoux ME, Elias J, Kurzai O (2015) *Candida albicans* bloodstream isolates in a German university hospital are genetically heterogeneous and susceptible to commonly used antifungals. *Int J Med Microbiol* 305(7), 742-747.

Kaerger K, Schwartz VU, Dolatabadi S, Nyilasi I, Kovács SA, Binder U, Papp T, Hoog SD, Jacobsen ID, Voigt K (2015) Adaptation to thermotolerance in *Rhizopus* coincides with virulence as revealed by avian and invertebrate infection models, phylogeny, physiological and metabolic flexibility. *Virulence* 6(4), 395-403.

Schwartz VU, Hoffmann K (2015) *Lichtheimia* (ex *Absidia*). In: Robert Russell Monteith Paterson, Nelson Lima (eds.) Molecular Biology of Food and Water Borne Mycotoxigenic and Mycotic Fungi pp. 355-374. CRC Press Inc..

de A. Santiago ALCM, Hoffmann K, Lima DX, de Oliveira RJV, Vieira HEE, Malosso E, Maia LC, da Silva GA (2014) A new species of *Lichtheimia* (*Mucoromycotina*, *Mucorales*) isolated from

Brazilian soil. *Mycol Progress* 13, 343-352.

El-Shabrawi MH, Kamal NM, Kaerger K, Voigt K (2014) Diagnosis of gastrointestinal basidiobolomycosis: a mini-review. *Mycoses* 57(Suppl. 3), 138-143.

Schwartz VU, Winter S, Shelest E, Marcet-Houben M, Horn F, Wehner S, Linde J, Valiante V, Sammeth M, Riege K, Nowrousian M, Kaerger K, Jacobsen ID, Marz M, Brakhage AA, Gabaldón T, Böcker S, Voigt K (2014) Gene expansion shapes genome architecture in the human pathogen *Lichtheimia corymbifera*: an evolutionary genomics analysis in the ancient terrestrial Mucorales (Mucoromycotina). *PLOS Genetics* 10(8), e1004496.

Hoffmann K, Pawłowska J, Walther G, Wrzosek M, de Hoog GS, Benny GL, Kirk PM, Voigt K (2013) The family structure of the Mucorales: a synoptic revision based on comprehensive multigene-genealogies. *Persoonia* 30, 57-76.

Sahadevan Y, Richter-Fecken M, Kaerger K, Voigt K, Boland W (2013) Early and late trisporoids differentially regulate β -carotene production and gene transcript levels in the mucoralean fungi *Blakeslea trispora* and *Mucor mucedo*. *Appl Environ Microbiol* 79(23), 7466-7475.

Unterberger C, Huber I, Kaditzky S, Benker A, Hoffmann K, Voigt K, Schmidt W, Busch U (2013) Evaluation of molecular methods for identification of filamentous fungi in food. *Arch Lebensmittelhyg* 64, 43-49.

Schoch CL, Seifert KA, Huhndorf S, Robert V, Spouge JL, Levesque CA, Chen W; Fungal Barcoding Consortium; Fungal Barcoding Consortium Author List (2012) Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for fungi. *Proc Natl Acad Sci U S A* 109(16), 6241-6246.

Schrödl W, Heydel T, Schwartz VU, Hoffmann K, Grosse-Herrenthey A, Walther G, Alastruey-Izquierdo A, Rodriguez-Tudela JL, Olias P, Jacobsen ID, de Hoog GS, Voigt K (2012) Direct analysis and identification of pathogenic *Lichtheimia* species by matrix-assisted laser desorption ionization-time of flight analyzer-mediated mass spectrometry. *J Clin Microbiol* 50(2), 419-427.

Schwartz VU, Hoffmann K, Nyilasi I, Papp T, Vágvolgyi C, de Hoog S, Voigt K, Jacobsen ID (2012) *Lichtheimia* species exhibit differences in virulence potential. *PLOS One* 7(7), e40908.

Petkovits T, Nagy LG, Hoffmann K, Wagner L, Nyilasi I, Griebel T, Schnabelrauch D, Vogel H, Voigt K, Vágvolgyi C, Papp T (2011) Data partitions, Bayesian analysis and phylogeny of the zygomycetous fungal family *Mortierellaceae*, inferred from nuclear ribosomal DNA sequences. *PLOS One* 6(11), e27507.

Alastruey-Izquierdo A, Hoffmann K, de Hoog GS, Rodriguez-Tudela JL, Voigt K, Bibashi E, Walther G (2010) Species recognition and clinical relevance of the zygomycetous genus *Lichtheimia* (syn. *Absidia* pro parte, *Mycoclados*). *J Clin Microbiol* 48(6), 2154-2170.

Fliegerová K, Mrázek J, Hoffmann K, Zábranská J, Voigt K (2010) Diversity of anaerobic fungi within cow manure determined by ITS1 analysis. *Folia Microbiol (Praha)* 55(4), 319-325.

Hoffmann K, Voigt K (2009) *Absidia parricida* plays a dominant role in biotrophic fusion parasitism among mucoralean fungi (Zygomycetes): *Lentamyces*, a new genus for *A. parricida* and *A. zychae*. *Plant Biol (Stuttg)* 11(4), 537-554.

Fliegerová K, Hoffmann K, Mrázek J, Voigt K (2008) The design of oligonucleotide primers for the universal amplification of the N-acetylglucosaminidase gene (nag1) in Chytridiomycetes with emphasis on the anaerobic Neocallimastigales. *Folia Microbiol (Praha)* 53(3), 209-213.

Hoffmann K, Discher S, Voigt K (2007) Revision of the genus *Absidia* (Mucorales, Zygomycetes) based on physiological, phylogenetic, and morphological characters; thermotolerant *Absidia* spp. form a coherent group, Mycocladiaceae fam. nov. *Mycol Res* 111(Pt 10), 1169-1183.

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