

Publications

Bigalke A, Krüger T, Jia LJ, Kniemeyer O, Brakhage AA (2023) Pathoproteomik des humanpathogenen Pilzes *Aspergillus fumigatus*. *BIOspektrum* (3), 269-272.

Jia LJ, Rafiq M, Radosa L, Hortschansky P, Cunha C, Cseresnyés Z, Krüger T, Schmidt F, Heinekamp T, Straßburger M, Loeffler B, Doenst T, Lacerda JF, Campos A, Figge MT, Carvalho A, Kniemeyer O, Brakhage AA[#] (2023) *Aspergillus fumigatus* hijacks human p11 to redirect fungal-containing phagosomes to non-degradative pathway. *Cell Host Microbe* 31(3), 373-388.e10.

Schwarz C, Eschenhagen P, Schmidt H, Hohnstein T, Iwert C, Grehn C, Roehmel J, Steinke E, Stahl M, Lozza L, Tikhonova E, Rosati E, Stervbo U, Babel N, Mainz JG, Wisplinghoff H, Ebel F, Jia LJ, Blango MG, Hortschansky P, Brunke S, Hube B, Brakhage AA, Kniemeyer O, Scheffold A, Bacher P (2023) Antigen specificity and cross-reactivity drive functionally diverse anti-*Aspergillus fumigatus* T cell responses in cystic fibrosis. *J Clin Invest* 133(5), e161593.

Blango MG, Pschibul A, Riviaccio F, Krüger T, Rafiq M, Jia L, Zheng T, Goldmann M, Voltersen V, Li J, Panagiotou G, Kniemeyer O, Brakhage AA (2020) Dynamic surface proteomes of allergenic fungal conidia. *J Proteome Res* 19(5), 2092-2104.

Jia LJ, Krüger T, Blango MG, Eggeling Fv, Kniemeyer O, Brakhage AA (2020) Biotinylated surfome profiling identifies potential biomarkers for diagnosis and therapy of *Aspergillus fumigatus* infection. *mSphere* 5(4), e00535-20.

Jia LJ, Tang HY, Wang WQ, Yuan TL, Wei WQ, Pang B, Gong XM, Wang SF, Li YJ, Zhang D, Liu W, Tang WH (2019) A linear nonribosomal octapeptide from *Fusarium graminearum* facilitates cell-to-cell invasion of wheat. *Nat Commun* 10(1), 922.

Jia LJ, Wang WQ, Tang WH (2017) Wheat Coleoptile Inoculation by *Fusarium graminearum* for Large-scale Phenotypic Analysis. *Bio Protoc* 7(15), e2439.

Xie QN, Jia LJ, Wang YZ, Song RT, Tang WH (2017) High-resolution gene profiling of infection process indicates serine metabolism adaptation of *Fusarium graminearum* in host. *Sci Bull (Beijing)* 62(11), 758-760.

Zhang Y, He J, Jia LJ, Yuan TL, Zhang D, Guo Y, Wang Y, Tang WH (2016) Cellular Tracking and Gene Profiling of *Fusarium graminearum* during Maize Stalk Rot Disease Development Elucidates Its Strategies in Confronting Phosphorus Limitation in the Host Apoplast. *PLoS Pathog* 12(3), e1005485.

Jia LJ, Tang WH (2015) The omics era of *Fusarium graminearum*: opportunities and challenges. *New Phytol* 207(1), 1-3.

Zhang XW, Jia LJ, Zhang Y, Jiang G, Li X, Zhang D, Tang WH (2012) In planta stage-specific fungal gene profiling elucidates the molecular strategies of *Fusarium graminearum* growing inside wheat coleoptiles. *Plant Cell* 24(12), 5159-5176.

* equal contribution #corresponding author

