



MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter – CRN 65452



Friday Seminar – 12:10-1 p.m.

SEMINAR LOCATION

Genome and Biomedical Sciences Facility Auditorium Room 1005

“*Aspergillus fumigatus* elicits host-derived antifungal extracellular vesicles during infection”

Research

Matt is currently a postdoctoral fellow and small group leader at the Leibniz-HKI in Jena, Germany with Prof. Axel Brakhage studying fungal biology and pathogenesis. His work is centered on the spore surface proteome, the extracellular vesicle biology of host-pathogenesis, and the importance of non-coding RNA in *A. fumigatus*. He earned his PhD in Microbiology and Immunology at the University of Utah studying the pathogenesis and small RNA biology of uropathogenic *Escherichia coli* with Prof. Matthew Mulvey and completed a postdoctoral fellowship with Prof. Brenda Bass defining the endogenous pool of double-stranded RNA in mammalian immune cells.

Publications

Blango MG, Kniemeyer O, Brakhage AA. Conidial surface proteins at the interface of fungal infections. *PLOS Pathogens*, 2019, doi: 10.1371/journal.ppat.1007939

Bacher P, Hohnstein T, Beerbaum E, Röcker M, Blango MG, Kaufmann S, Röhm J, Eschenhagen P, Grehn C, Seidel K, Rickerts V, Lozza L, Stervbo U, Nienen M, Babel N, Milleck J, Assenmacher M, Cornely OA, Ziegler M, Wisplinghoff H, Heine G, Worm M, Siegmund B, Maul J, Creutz P, Tabeling C, Ruwwe-Glösenkamp, Sander LE, Knosalla C, Brunke S, Hube B, Kniemeyer O, Brakhage AA, Schwarz C, Scheffold A. Human Anti-fungal Th17 Immunity and Pathology Rely on Cross-Reactivity against *Candida albicans*. *Cell* 2019, doi: 10.1016/j.cell.2019.01.041

Voltersen V*, Blango MG*, Herrman S, Schmidt F, Heinekamp T, Strassburger M, Krueger T, Bacher P, Lothar J, Weiss E, Huenniger K, Liu H, Hortschansky P, Scheffold A, Loeffler J, Krappmann S, Nietzsche S, Kurzai O, Einsele H, Kniemeyer O, Filler SG, Reichard U, Brakhage AA. Proteome Analysis reveals the Conidial Surface Protein CcpA Essential for Virulence of the Pathogenic Fungus *Aspergillus fumigatus*. *mBio* 2018, doi: 10.1128/mBio.01557-18 * = equal contribution

January
17



Matthew G. Blango, Ph.D.
Leibniz Institute for Natural Product
Research and Infection Biology:
Hans Knöll Institute
Department of Molecular
and Applied Microbiology

January 17, 2020

12:10 – 1 p.m.

GBSF 1005

Medical Microbiology &
Immunology
School of Medicine

Seminar Contact:

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We hope to see you there!