

# Publications

Pavic A, Stojanovic Z, Pekmezovic M, Veljović Đ, O'Connor K, Malagurski I, Nikodinovic-Runic J (2022) Polyenes in medium chain length polyhydroxyalkanoate (mcl-PHA) biopolymer microspheres with reduced toxicity and improved therapeutic effect against *Candida* infection in zebrafish model. *Pharmaceutics* 14(4), 696.

Pekmezovic M, Dietschmann A, Gresnigt MS (2022) Type I interferons during host-fungus interactions: Is antifungal immunity going viral? *PLOS Pathog* 18(8), e1010740.

Austermeier S, Pekmezović M, Porschitz P, Lee S, Kichik N, Moyes DL, Ho J, Kotowicz NK, Naglik JR, Hube B, Gresnigt MS (2021) Albumin neutralizes hydrophobic toxins and modulates *Candida albicans* pathogenicity. *mBio* 12(3), e0053121.

Bruno M, Dewi IMW, Matzaraki V, Ter Horst R, Pekmezovic M, Rösler B, Groh L, Röring RJ, Kumar V, Li Y, Carvalho A, Netea MG, Latgé JP, Gresnigt MS, van de Veerdonk FL (2021) Comparative host transcriptome in response to pathogenic fungi identifies common and species-specific transcriptional antifungal host response pathways. *Comput Struct Biotechnol J* 19, 647-663.

Bruno M, Horst R, Pekmezovic M, Kumar V, Li Y, Netea MG, Latgé JP, Gresnigt MS, van de Veerdonk FL (2021) Data of common and species-specific transcriptional host responses to pathogenic fungi. *Data Brief* 35, 106928.

Pekmezovic M, Hovhannisyan H, Gresnigt MS, Iracane E, Oliveira-Pacheco J, Siscar-Lewin S, Seemann E, Qualmann B, Kalkreuter T, Müller S, Kamradt T, Mogavero S, Brunke S, Butler G, Gabaldón T, Hube B (2021) *Candida* pathogens induce protective mitochondria-associated type I interferon signalling and a damage-driven response in vaginal epithelial cells. *Nat Microbiol* 6(5), 643-657.

Pekmezovic M, Kalagasidis Krusic M, Malagurski I, Milovanovic J, Stępień K, Guzik M, Charifou R, Babu R, O'Connor K, Nikodinovic-Runic J (2021) Polyhydroxyalkanoate/Antifungal polyene formulations with monomeric hydroxyalkanoic acids for improved antifungal efficiency. *Antibiotics (Basel)* 10(6), 737.

Pekmezovic M, Kaune AK, Austermeier S, Hitzler SUJ, Mogavero S, Hovhannisyan H, Gabaldón T, Gresnigt MS, Hube B (2021) Human albumin enhances the pathogenic potential of *Candida glabrata* on vaginal epithelial cells. *PLOS Pathog* 17(10), e1010037.

Arastehfar A, Boekhout T, Butler G, De Cesare GB, Dolk E, Gabaldón T, Hafez A, Hube B, Hagen F, Hovhannisyan H, Iracane E, Kostrzewa M, Lackner M, Lass-Flörl C, Llorens C, Mixão V, Munro C, Oliveira-Pacheco J, Pekmezovic M, Pérez-Hansen A, Sanchez AR, Sauer FM, Sparbier K, Stavrou AA, Vaneechoutte M, Vatanshenassan M (2019) Recent trends in molecular diagnostics of yeast infections: from PCR to NGS. *FEMS Microbiol Rev* 43(5), 517-547. (Review)

Pekmezovic M, Mogavero S, Naglik JR, Hube B (2019) Host-pathogen interactions during female genital tract infections. *Trends Microbiol* 27(12), 982-996. (Review)

Lazić J, Ajdačić V, Vojnovic S, Zlatović M, Pekmezovic M, Mogavero S, Opsenica I, Nikodinovic-Runic J (2018) Bis-guanylhydrazones as efficient anti-*Candida* compounds through DNA interaction. *Appl Microbiol Biotechnol* 102(4), 1889-1901.

Savić ND, Vojnovic S, Glišić BD, Crochet A, Pavic A, Janjić GV, Pekmezović M, Opsenica IM, Fromm KM, Nikodinovic-Runic J, Djuran MI (2018) Mononuclear silver(I) complexes with 1,7-phenanthroline as potent inhibitors of *Candida* growth. *Eur J Med Chem* 156, 760-773.

\*equal contribution #corresponding author