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[Microbial Pathogenicity Mechanisms](#) +49 3641 532-1157 raquel.roman@leibniz-hki.de

Topics

[Fungal-host-microbiota interactions](#)

Publications

Alonso-Roman R, Mosig AS, Figge MT, Papenfort K, Eggeling C, Schacher FH, Hube B, Gresnigt MS (2024) Organ-on-chip models for infectious disease research. *Nat Microbiol* 9(4), 891-904.

[Details](#)



Kaden T^{*}, Alonso-Roman R^{*}, Akbarimoghaddam P^{*}, Mosig AS, Graf K, Raasch M, Hoffmann B, Figge MT[#], Hube B[#], Gresnigt MS[#] (2024) Modeling of intravenous caspofungin administration using an intestine-on-chip reveals altered *Candida albicans* microcolonies and pathogenicity. *Biomaterials* 307, 122525.

[Details](#)



Alonso-Roman R, Last A, Mirhakkak MH, Sprague JL, Möller L, Großmann P, Graf K, Gratz R, Mogavero S, Vylkova S, Panagiotou G, Schäuble S, Hube B, Gresnigt MS (2022) *Lactobacillus rhamnosus* colonisation antagonizes *Candida albicans* by forcing metabolic adaptations that compromise pathogenicity. *Nat Commun* 13(1), 3192.

[Details](#)



García-Díaz M, Cendra MDM, Alonso-Roman R, Urdániz M, Torrents E, Martínez E (2022) Mimicking the intestinal host-pathogen interactions in a 3D *in vitro* model: The role of the Mucus layer. *Pharmaceutics* 14(8), 1552.

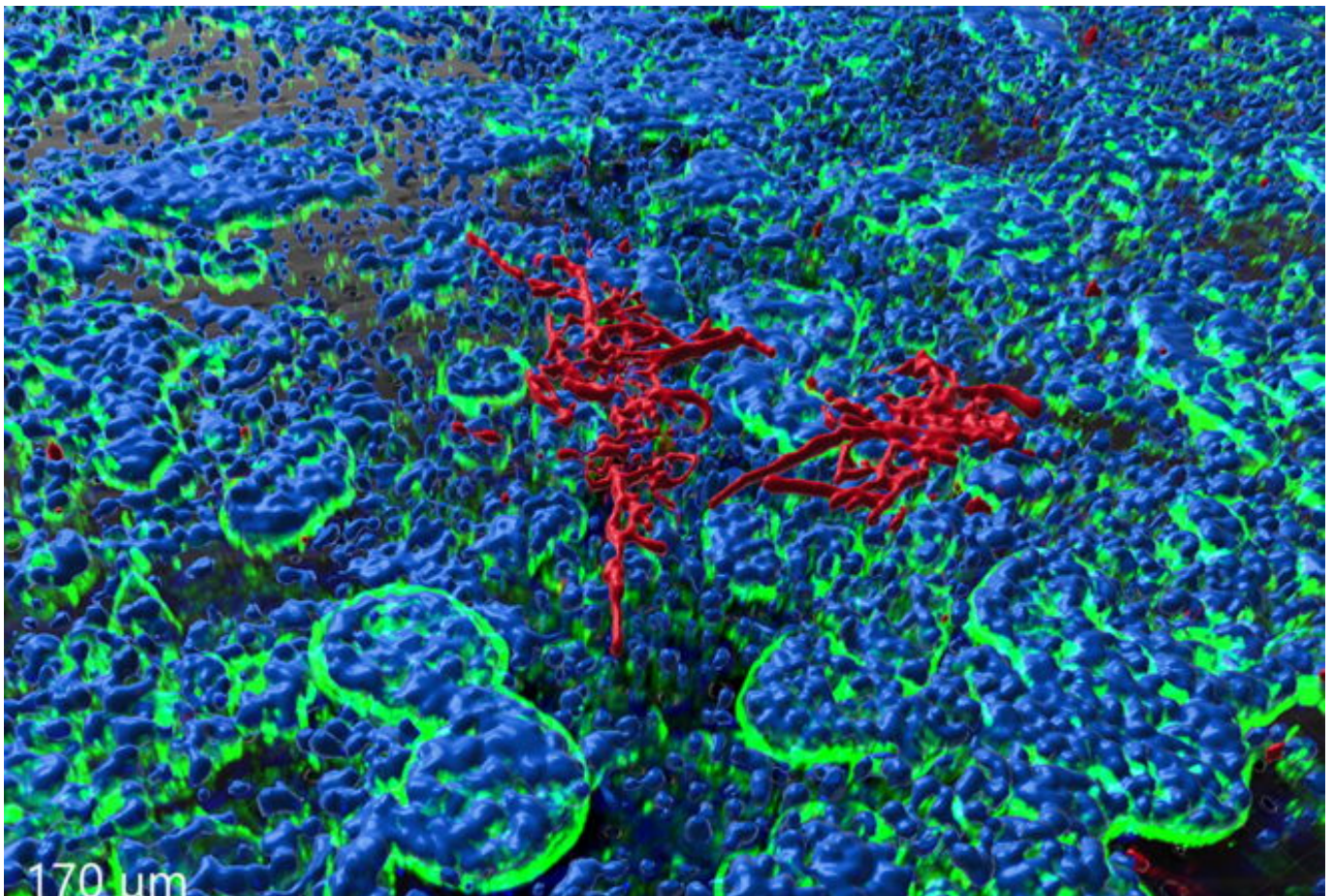
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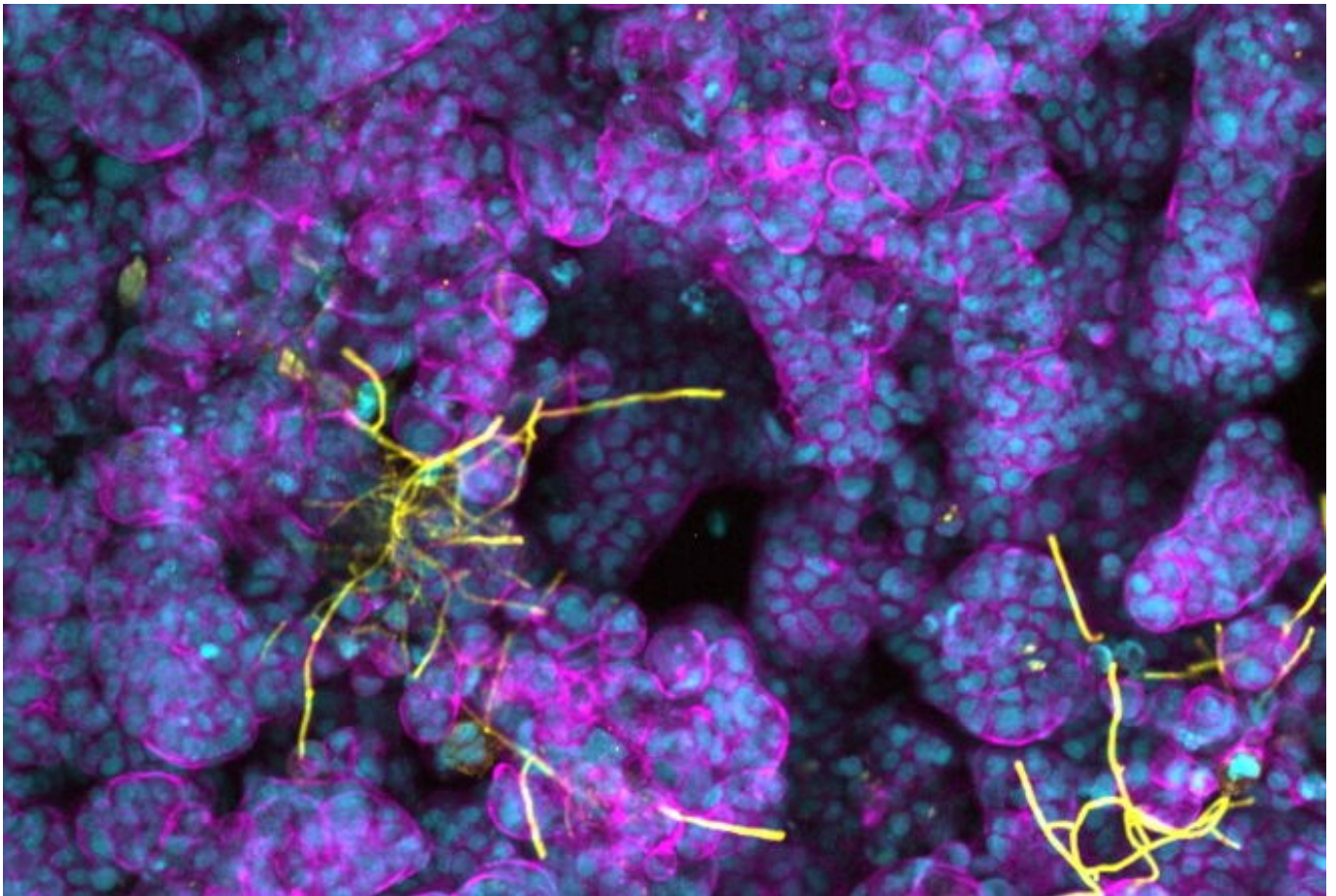
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