Candida albicans scavenges host zinc via Pra1 during endothelial invasion.

Citiulo F, Jacobsen ID, Miramón P, Schild L, Brunke S, Zipfel PF, Brock M, Hube B, Wilson D (2012) *Candida albicans* scavenges host zinc via Pra1 during endothelial invasion. *PLOS Pathog* 8(6), e1002777.

Details

Abstract

The ability of pathogenic microorganisms to assimilate essential nutrients from their hosts is critical for pathogenesis. Here we report endothelial zinc sequestration by the major human fungal pathogen, Candida albicans. We hypothesised that, analogous to siderophore-mediated iron acquisition, C. albicans utilises an extracellular zinc scavenger for acquiring this essential metal. We postulated that such a

Beteiligte Forschungseinheiten

Infektionsbiologie Peter F. Zipfel Mehr erfahren

Mikrobielle Pathogenitätsmechanismen Bernhard Hube Mehr erfahren

Mikrobielle Immunologie Ilse Jacobsen Mehr erfahren

Mikrobielle Biochemie und Physiologie Mehr erfahren

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Duncan Wilson

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Themenfelder

Nährstoffaufnahme während der Infektionen

Awards

PLoS Pathogens featured article & recommended by Faculty of 1000: special significance (2x)

Identifier

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