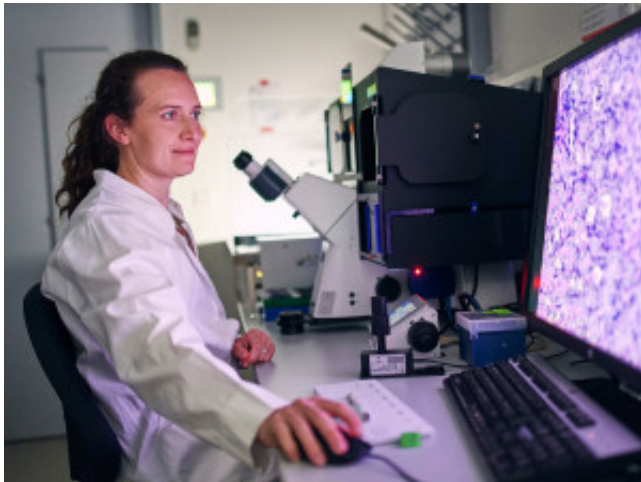


## Alternative energy in the fungal cell

**Out now: New paper in Nature Communications by Christine Dunker and colleagues**

June 24, 2021



The first author of the study, Christine Dunker, uses a microscope to examine the fungal colonization of the organs.

Until now, almost all studies suggested that the formation of hyphae is one of the most important virulence factors of the yeast *Candida albicans*. Ilse Jacobsen from Leibniz-HKI and her team have now shown for the first time that a mutant form of the fungus that does not form hyphae can also cause lethal systemic infections. The researchers report their findings in *Nature Communications*.

### **Original publication:**

Dunker C, Polke M, Schulze-Richter B, Schubert K, Rudolphi S, Greßler AE, Pawlik T, Prada Salcedo JP, Niemiec MJ, Slesiona-Künzel S, Swidergall M, Martin R, Dandekar T, Jacobsen ID (2021) Rapid proliferation due to better metabolic adaptation results in full virulence of a filament-deficient *Candida albicans* strain. *Nature Communications* [doi.org/10.1038/s41467-021-24095-8](https://doi.org/10.1038/s41467-021-24095-8)

[Press release \(in German\)](#)