Publikationsverzeichnis / Publication list:

(* = korrespondierender Autor / corresponding author)

Thewes S* (2025) (Mehr) Mikrobiologie in Schulen wagen. Biologie in unserer Zeit. 55(3): 278-287. https://doi.org/10.11576/biuz-8191 [in German]

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Thewes S* (2014) The role of calcineurin during development: parallels and differences between higher and lower eukaryotes. Cell News. 4/2014.

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Wilson D, **Thewes S**, Zakikhany K, Fradin C, Albrecht A, Almeida R, Brunke S, Grosse K, Martin R, Mayer F, Leonhardt I, Schild L, Seider K, Skibbe M, Slesiona S, Waechtler B, Jacobsen I, Hube B (2009) Identifying infection-associated genes of Candida albicans in the postgenomic era. FEMS Yeast Res. 9(5):688-700. Review.

Almeida RS, Brunke S, Albrecht A, **Thewes S**, Laue M, Edwards JE, Filler SG, Hube B (2008) The Hyphal-Associated Adhesin and Invasin Als3 of Candida albicans Mediates Iron Acquisition from Host Ferritin. PLoS Pathog. 4(11):e1000217.

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Thewes S, Moran GP, Magee BB, Schaller M, Sullivan DJ, Hube B (2008) Phenotypic screening, transcriptional profiling, and comparative genomic analysis of an invasive and non-invasive strain of Candida albicans. BMC Microbiol. 8(1):187

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Sigle HC, **Thewes S**, Niewerth M, Korting HC, Schafer-Korting M, Hube B (2005) Oxygen accessibility and iron levels are critical factors for the antifungal action of ciclopirox against Candida albicans. J Antimicrob Chemother. 55(5):663-73.

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Moran G, Stokes C, **Thewes S**, Hube B, Coleman DC, Sullivan D (2004) Comparative genomics using Candida albicans DNA microarrays reveals absence

and divergence of virulence-associated genes in Candida dubliniensis. Microbiology. 150(Pt 10):3363-82.

Brandt K, **Thewes S**, Overhage J, Priefert H, Steinbuchel A (2001) Characterization of the eugenol hydroxylase genes (ehyA/ehyB) from the new eugenol-degrading Pseudomonas sp. strain OPS1. Appl Microbiol Biotechnol. 56(5-6):724-30.

Verzeichnis der gehaltenen Vorträge und Posterpräsentationen / List of lectures and poster presentations:

09/2025	Vorstellungen angehender Biologie-Lehrkräfte über Mikroorganismen und zu grundlegenden Konzepten der Mikrobiologie (Poster Internationale Tagung der FDdB, Innsbruck)
02/2019	Die Möglichkeiten der Low-Level Lasertherapie für die Behandlung von CMD (Vortrag Continuum-Praktikerforum 2019, Münster)
12/2018	Pilze – von Trüffeln, Penicillin und Pils (Vortrag Lette Verein Berlin)
12/2016	*Dictyostelium discoideum* – a model for many reasons. (Vortrag FG16-Seminar Robert Koch-Institut, Berlin)
06/2016	Warum überleben immer die dicksten Betrüger schlechte Zeiten? (Vortrag Lange Nacht der Wissenschaften 2016, Berlin)
10/2015	*Dictyostelium discoideum* as a host model to study the interaction with pathogenic and apathogenic yeast. (Vortrag 11. VAAM Konferenz „Molecular Biology of fungi“, Berlin)
09/2015	*Dictyostelium discoideum* as a host model to study the interaction with pathogenic and apathogenic yeast. (Vortrag 49. Wissenschaftliche Jahrestagung der DMykG, Jena)
06/2015	Modellorganismus Amöbe. (Vortrag Lange Nacht der Wissenschaften 2015, Berlin)
08/2014	*Dictyostelium discoideum* as a host model to study the interaction with pathogenic and apathogenic yeast. (Vortrag Annual International Dictyostelium Conference Dicty2014, Potsdam)
	Silencing of calcineurin leads to abnormal mitochondria: the cause of oxidative stress? (Poster Annual International Dictyostelium Conference Dicty2014, Potsdam)

09/2013	Mikroben im Biologieunterricht – geht das? (eingeladener Vortrag 11. Herbstkongress MNU Berlin-Brandenburg, Berlin)
06/2013	Amöben! Was sind das? (Vortrag Lange Nacht der Wissenschaften 2013, Berlin)
03/2013	The social amoeba *Dictyostelium discoideum* as a host model to study pathogenic and apathogenic yeast. (Poster Jahrestagung der VAAM (zusammen mit KNVM) 2013, Bremen)
08/2012	About the connection of calcineurin and mitochondria in *Dictyostelium discoideum*. (Vortrag Annual International Dictyostelium Conference Dicty2012, Madrid, Spanien)
02/2012	Social amoebae as host models for pathogenic yeast? (Vortrag Statuswork der DGHM-Fachgruppe „Eukaryontische Krankheitserreger“, Berlin)
06/2011	Microbial Models for Fundamental and Biomedical Research. (Vortrag Lange Nacht der Wissenschaften 2011, Berlin)
10/2010	Stress and development in *Dictyostelium discoideum*: the involvement of the calcineurin signalling pathway. (Vortrag 1. Berlin-Brandenburger Interdisziplinäres Calcium/Calcineurin-Symposium, Berlin)
08/2010	Stress and development in *Dictyostelium discoideum*: the involvement of the calcineurin signalling pathway. (Poster Annual International Dictyostelium Conference Dicty2010, Cardiff, Großbritannien)
06/2009	Wie werden Mikroben pathogen? (Vortrag Lange Nacht der Wissenschaften 2009, Berlin)
03/2009	Calcineurin is involved in development of *Dictyostelium discoideum*. (Poster Jahrestagung der VAAM 2009, Bochum)
06/2008	Modell Amöbe. (Vortrag Lange Nacht der Wissenschaften 2008, Berlin)
04/2008	Molecular investigation of invasive properties of *Candida albicans.* (Preis-Vortrag Genomes 2008 – Functional Genomics of Microorganisms, Paris, Frankreich)
02/2008	Liver invasion of *Candida albicans.*

(Preis-Vortrag Statuswork der DGHM-Fachgruppe „Eukaryontische Krankheitserreger“, Würzburg)

07/2007 Liver invasion of *Candida albicans.*
(eingeladener Vortrag, Hans-Knöll-Institut, Jena)

11/2005 Comparative transcriptomics: a tool to understand *Candida albicans* pathogenesis.
(Vortrag ESF-EMBO Symposium on comparative genomics of eukaryotic microorganisms, Sant-Feliu de Guixol, Spanien; Teilnahmestipendium)

09/2005 Strain comparison of *Candida albicans*: minor genetic differences have a major impact on tissue invasion.
(Poster 2. Gemeinsame Jahrestagung der DGHM/VAAM, Göttingen; Posterpreis)

02/2005 Infektionsverlauf und Transkriptionsprofil von *Candida albicans* bei Leberinvasion in zwei verschiedenen Infektionsmodellen.
(Vortrag Statuswork der DGHM-Fachgruppe „Eukaryontische Krankheitserreger“, Jena)

11/2004 *Candida* liver infection.
(Vortrag Galar Fungail Training Session, Berlin)

09/2004 Phänotypische und molekulare Untersuchungen eines invasiven und eines nicht-invasiven Stamms von *Candida albicans.*
(Vortrag 56. Jahrestagung der DGHM, Münster)

02/2004 *Candida* ist nicht gleich *Candida*: Untersuchungen zu einem nicht-invasiven Stamm von *Candida albicans*.
(Vortrag Statuswork der DGHM-Fachgruppe „Eukaryontische Krankheitserreger“, Innsbruck, Österreich)

09/2003 Phenotypic screen, comparative genomics and transcriptional profiling of an invasive and non-invasive strain of *Candida albicans*.
(Poster EURESCO conference on Human Fungal Pathogens, Giens, Frankreich, Teilnahmestipendium)

02/2003 Phänotypische und molekulare Untersuchungen zu einem nicht-invasiven Stamm von *Candida albicans.*
(Vortrag Statuswork der DGHM-Fachgruppe „Eukaryontische Krankheitserreger“, Erlangen)