

Dr. Uwe Horn

Alumni

Publikationen

Funk J, Schaarschmidt B, Slesiona S, Hallström T, Horn U, Brock M (2016) The glycolytic enzyme enolase represents a plasminogen-binding protein on the surface of a wide variety of medically important fungal species. *Int J Med Microbiol* 306(1), 59-68.

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Garvey M, Baumann M, Wulff M, Kumar ST, Markx D, Morgado I, Knüpfer U, Horn U, Mawrin C, Fändrich M, Balbach J (2016) Molecular architecture of A β fibrils grown in cerebrospinal fluid solution and in a cell culture model of A β plaque formation. *Amyloid* 23(2), 76-85.

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Horn F, Linde J, Mattern DJ, Walther G, Guthke R, Scherlach K, Martin K, Brakhage AA, Petzke L, Valiante V (2016) Draft genome sequences of fungus *Aspergillus calidoustus*. *Genome Announc* 4(2), e00102-16.

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Kollmer M, Meinhardt K, Haupt C, Liberta F, Wulff M, Linder J, Handl L, Heinrich L, Loos C, Schmidt M, Syrovets T, Simmet T, Westermarck P, Westermarck GT, Horn U, Schmidt V, Walther P, Fändrich M (2016) Electron tomography reveals the fibril structure and lipid interactions in amyloid deposits. *Proc Natl Acad Sci U S A* 113(20), 5604-5609.

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Lüdecke C, Roth M, Yu W, Horn U, Bossert J, Jandt KD (2016) Nanorough titanium surfaces reduce adhesion of *Escherichia coli* and *Staphylococcus aureus* via nano adhesion points *Colloids Surf B Biointerfaces* 145, 617-625.

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Wulff M, Baumann M, Thümmeler A, Yadav JK, Heinrich L, Knüpfer U, Schlenzig D, Schierhorn A, Rahfeld JU, Horn U, Balbach J, Demuth HU, Fändrich M (2016) Enhanced Fibril Fragmentation of N-Terminally Truncated and Pyroglutamyl-Modified A β Peptides. *Angew Chem Int Ed* 55(16), 5081-5084.

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Schwenk D, Nett M, Dahse H-M, Horn U, Blanchette RA, Hoffmeister D (2014) Injury-induced biosynthesis of methyl-branched polyene pigments in a white-rotting basidiomycete *J Nat Prod* 77, 2658-2663.

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Wacker J, Röncke R, Westermann M, Wulff M, Reymann KG, Dobson CM, Horn U, Crowther DC, Luheshi LM, Fändrich M (2014) Oligomer-targeting with a conformational antibody fragment promotes toxicity in A β -expressing flies. *Acta Neuropathol Commun* 2:43,

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Biermann M, Bardl B, Vollstädt S, Linnemann J, Knüpfer U, Seidel G, Horn U (2013)

Simultaneous analysis of the non-canonical amino acids norleucine and norvaline in biopharmaceutical-related fermentation processes by a new ultra-high performance liquid chromatography approach. *Amino Acids* 44(4), 1225-1231.

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Biermann M, Linnemann J, Knüpfer U, Vollstädt S, Bardl B, Seidel G, Horn U (2013) Trace element associated reduction of norleucine and norvaline accumulation during oxygen limitation in a recombinant *Escherichia coli* fermentation. *Microb Cell Fact* 12, 116.

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