

Dr. Christian Haupt

Alumni

Publications

Garvey M, Tepper K, Haupt C, Knüpfer U, Klement K, Meinhardt J, Horn U, Balbach J, Fändrich M (2011) Phosphate and HEPES buffers potentially affect the fibrillation and oligomerization mechanism of Alzheimer's A β peptide. *Biochem Biophys Res Commun* 409(3), 385-388.

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Haupt C, Bereza M, Kumar ST, Kieninger B, Morgado I, Hortschansky P, Fritz G, Röcken C, Horn U, Fändrich M (2011) Pattern recognition with a fibril-specific antibody fragment reveals the surface variability of natural amyloid fibrils. *J Mol Biol* 408(3), 529-540.

[Details](#)



Haupt C, Morgado I, Kumar ST, Parthier C, Bereza M, Hortschansky P, Stubbs MT, Horn U, Fändrich M (2011) Amyloid fibril recognition with the conformational B10 antibody fragment depends on electrostatic interactions. *J Mol Biol* 405(2), 341-348.

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Habicht G, Haupt C, Friedrich RP, Hortschansky P, Sachse C, Meinhardt J, Wieligmann K, Gellermann GP, Brodhun M, Götz J, Halbhuber KJ, Röcken C, Horn U, Fändrich M (2007) Directed selection of a conformational antibody domain that prevents mature amyloid fibril formation by stabilizing Abeta protofibrils. *Proc Natl Acad Sci U S A* 104(49), 19232-19237.

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