

Amyloid beta 1-42 oligomerization in vitro and characterization with SDS-PAGE, MALDI and ESI MS

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Copper(II) ions and the Alzheimer's amyloid- β peptide : affinity and stoichiometry of binding

Tõugu, Vello; Friedemann, Merlin; Tiiman, Ann; Palumaa, Peep AIP conference proceedings 2014 / p. 109-111

Copper(II)-binding equilibria in human blood

Kirsipuu, Tiina; Zadorožnaja, Anna; Smirnova, Julia; Friedemann, Merlin; Plitz, Thomas; Tõugu, Vello; Palumaa, Peep Scientific reports 2020 / art. 5686, 10 p. : ill <https://doi.org/10.1038/s41598-020-62560-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cu(II) partially protects three histidine residues and the N-terminus of amyloid- β peptide from diethyl pyrocarbonate (DEPC) modification

Friedemann, Merlin; Tõugu, Vello; Palumaa, Peep FEBS Open Bio 2020 / p. 1072-1081 <https://doi.org/10.1002/2211-5463.12857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of agitation on the peptide fibrillization: Alzheimer's amyloid- β peptide 1-42 but not amylin and insulin fibrils can grow under quiescent conditions

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Effect of methionine-35 oxidation on the aggregation of amyloid- β peptide

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Fibrillization of the mixtures of amyloid beta 1-40 and 1-42

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Mercury and Alzheimer's disease: Hg(II) ions display specific binding to the amyloid- β peptide and hinder its fibrillization

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Oligomerization and conformation of amyloidogenic protein human stefin B. Insight from ESI MS

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Oxidation of Methionine-35 in Alzheimer's amyloid-beta peptide and the aggregation of the oxidized peptide

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The role of initial oligomers in amyloid fibril formation by human stefin B

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