

**Characterization of Uranyl (UO<sub>2</sub><sup>2+</sup>) ion binding to Amyloid Beta (A $\beta$ ) peptides : effects on A $\beta$  structure and aggregation**  
**Berntsson, Elina;** Vosough, Faraz; **Noormägi, Andra;** Padari, Kärt; Asplund, Fanny; Gielnik, Maciej; Paul, Suman; Jarvet, Jüri; **Tõugu, Vello;** **Palumaa, Peep** ACS chemical neuroscience 2023 / p. 2618-2633 : ill <https://doi.org/10.1021/acscchemneuro.3c00130>  
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**Direct competition of ATCUN peptides with human serum albumin for copper(II) ions determined by LC-ICP MS**  
**Noormägi, Andra;** Golubeva, Tatjana; **Berntsson, Elina;** Wärmländer, Sebastian K.T.S.; **Tõugu, Vello;** **Palumaa, Peep** ACS omega 2023 / p. 33912–33919 <https://doi.org/10.1021/acsomega.3c04649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of agitation on the peptide fibrillization: Alzheimer's amyloid- b peptide 1-42 but not amylin and insulin fibrils can grow under quiescent conditions**  
**Tiiman, Ann;** **Noormägi, Andra;** Friedemann, Merlin; Krištal, Jekaterina; **Palumaa, Peep;** Tõugu, Vello Journal of peptide science 2013 / p. 386-391 : ill <https://doi.org/10.1002/psc.2513> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effects of Zn<sup>2+</sup> ions and environmental conditions on the fibrillization of insulin = Zn<sup>2+</sup> ionide ja keskkonnatingimuste mõju insuliini fibrillisatsioonile**  
**Noormägi, Andra** 2018 <https://digi.lib.ttu.ee/i/?10378> [https://www.ester.ee/record=b5148492\\*est](https://www.ester.ee/record=b5148492*est)

**Evaluation of Zn<sup>2+</sup>- and Cu<sup>2+</sup>-binding affinities of native Cu,Zn-SOD1 and its G93A mutant by LC-ICP MS**  
**Smirnova, Julia;** Gavrilova, Julia; **Noormägi, Andra;** Valmsen, Karin; Pupart, Hegne; Luo, Jinghui; **Tõugu, Vello;** **Palumaa, Peep** Molecules 2022 / art. 3160 <https://doi.org/10.3390/molecules27103160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Insulin fibrillization at acidic and physiological pH values is controlled by different molecular mechanisms**  
**Noormägi, Andra;** Valmsen, Karin; **Tõugu, Vello;** **Palumaa, Peep** The protein journal 2015 / p. 398-403 : ill <https://doi.org/10.1007/s10930-015-9634-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interference of low-molecular substances with the thioflavin-T fluorescence assay of amyloid fibrils**  
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**Mercury and Alzheimer's disease: Hg(II) ions display specific binding to the amyloid- $\beta$  peptide and hinder its fibrillization**  
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**Mercury ion binding to apolipoprotein E variants ApoE2, ApoE3, and ApoE4 : similar binding affinities but different structure induction effects**  
**Berntsson, Elina;** Sardis, Merlin; **Noormägi, Andra;** Jarvet, Jüri; Roos, Per M.; **Tõugu, Vello;** Gräslund, Astrid; Wärmländer, Sebastian K.T.S. ACS omega 2022 / p. 28924-28931 <https://doi.org/10.1021/acsomega.2c02254> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Zn(II) ions co-secreted with insulin suppress inherent amyloidogenic properties of monomeric insulin**  
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**The role of initial oligomers in amyloid fibril formation by human stefin B**  
Taler-Verčič, Ajda; **Kirsipuu, Tiina;** **Friedemann, Merlin;** **Noormägi, Andra;** **Smirnova, Julia;** **Palumaa, Peep** International journal of molecular sciences 2013 / p. 18362-18384 : ill <https://doi.org/10.3390/ijms140918362> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)