

**Characterization of Uranyl ( $\text{UO}_2^{2+}$ ) ion binding to Amyloid Beta ( $\text{A}\beta$ ) peptides : effects on  $\text{A}\beta$  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/acschemneuro.3c00130>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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  $\text{Zn}^{2+}$  ions and environmental conditions on the fibrillization of insulin =  $\text{Zn}^{2+}$  ioonide ja keskkonnatingimustele mõju insuliini fibrillisatsioonile**

Noormägi, Andra 2018 <https://digi.lib.ttu.ee/i/?210378> [https://www.esther.ee/record=b5148492\\*est](https://www.esther.ee/record=b5148492*est)

**Evaluation of  $\text{Zn}^{2+}$ - and  $\text{Cu}^{2+}$ -binding affinities of native  $\text{Cu},\text{Zn}$ -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**

Noormägi, Andra; Primar, Kateryna; Tõugu, Vello; Palumaa, Peep Journal of peptide science 2012 / p. 59-64 : ill  
<https://pubmed.ncbi.nlm.nih.gov/22083646/>

**Mercury and Alzheimer's disease:  $\text{Hg}^{(II)}$  ions display specific binding to the amyloid- $\beta$  peptide and hinder its fibrillization**

Wallin, Cecilia; Friedemann, Merlin; Sholts, Sabrina B.; Noormägi, Andra; Svantesson, Teodor; Järvet, Jüri; Roos, Per M.; Palumaa, Peep; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. Biomolecules 2020 / art. 44, 23 p. : ill  
<https://doi.org/10.3390/biom10010044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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( $\text{II}$ ) ions co-secreted with insulin suppress inherent amyloidogenic properties of monomeric insulin**

Noormägi, Andra; Gavrilova, Julia; Smirnova, Julia; Tõugu, Vello; Palumaa, Peep Biochemical journal 2010 / p. 511-518  
<https://pubmed.ncbi.nlm.nih.gov/20632994/>

**Zn( $\text{II}$ ) ions inhibit fibrillization of monomeric insulin**

Noormägi, Andra; Gavrilova, Julia; Smirnova, Julia; Tõugu, Vello; Palumaa, Peep FEBS journal 2010 / Suppl. 1, p. 256

**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](#)