

Affinity of zinc and copper ions for insulin monomers

Gavrilova, Julia; Tõugu, Vello; Palumaa, Peep *Metallomics* 2014 / p. 1296-1300 : ill <https://doi.org/10.1039/c4mt00059e> [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

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 Zn²⁺ ions and environmental conditions on the fibrillization of insulin = Zn²⁺ ioonide ja keskkonnatingimuste mõju insuliini fibrillisatsioonile

Noormägi, Andra 2018 <https://digi.lib.ttu.ee/i/?10378> https://www.ester.ee/record=b5148492*est

INSL5 is a high affinity specific agonist for GPCR142(GPR100)

Liu, C.; Kuei, C.; Sutton, S.; Chen, J.; Bonaventure, P.; Wu, J.; Nepomuceno, D.; Kamme, F.; Tran, D.T.; Zhu, J.; Wilkinson, T.; Bathgate, R.; Eriste, Elo; Sillard, Rannar; Lovenberg, T.W. *Journal of biological chemistry* 2005 / 1, p. 292-300 [https://www.sciencedirect.com/science/article/pii/S0021925820765919#:~:text=Insulin%2Dlike%20peptide%205%20\(INSL5,receptor%20has%20no%20been%20identified](https://www.sciencedirect.com/science/article/pii/S0021925820765919#:~:text=Insulin%2Dlike%20peptide%205%20(INSL5,receptor%20has%20no%20been%20identified)

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/>

Role of metal ions in amyloidogenic properties of insulin and superoxide dismutase = Metallioonide roll insuliini ja superoksiidi dismutaasi amüloidogeensetes omadustes

Gavrilova, Julia 2022 <https://doi.org/10.23658/taltech.44/2022> <https://digikogu.taltech.ee/et/Item/693de590-2d9f-43d6-989e-ebac0544151d> https://www.ester.ee/record=b5511706*est

Zn(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(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 possible mechanisms by which phanoside stimulates insulin secretion from rat islets

Hoa, Nguyen Kahanh; Norberg, Ake; Sillard, Rannar *Journal of endocrinology* 2007 / p. 389-394 <https://pubmed.ncbi.nlm.nih.gov/17283239/>