

**Application of Differentiated SH-SY5Y Cells for Toxicological Studies of Alzheimer's Amyloid Beta Peptide =
Diferentseeritud SH-SY5Y rakkude kasutamine Alzheimeri amüloid beeta peptidi toksilisuse uurimiseks**

Krištal, Jekaterina 2020 <https://digikogu.taltech.ee/et/Item/8aef400a-e1ff-4803-a0da-fc2d97c8d451>

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](#)

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

Krištal, Jekaterina; Friedemann, Merlin; Tõugu, Vello; Palumaa, Peep Neurodegenerative diseases 2015 / p. 364 <http://dx.doi.org/10.1159/000381736>

In vitro fibrillization of Alzheimer's amyloid- β peptide (1-42)

Tiiman, Ann; Krištal, Jekaterina; Palumaa, Peep; Tõugu, Vello AIP advances 2015 / p. 092401-1 - 092401-12 : ill <https://doi.org/10.1063/1.4921071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metallothionein 2A affects the cell respiration by suppressing the expression of mitochondrial protein cytochrome c oxidase subunit II

Bragina, Olga; Gurjanova, Karina; Krištal, Jekaterina; Kulp, Maria; Karro, Niina; Tõugu, Vello; Palumaa, Peep Journal of bioenergetics and biomembranes 2015 / p. 209-216 : ill <https://doi.org/10.1007/s10863-015-9609-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surface carboxylation or PEGylation decreases CuO nanoparticles' cytotoxicity to human cells in vitro without compromising their antibacterial properties

Kubo, Anna-Liisa; Vasiliev, Grigory; Vija, Heiki; Krištal, Jekaterina; Tõugu, Vello; Visnapuu, Meeri; Kisand, Vambola; Kahru, Anne; Bondarenko, Olesja Archives of toxicology 2020 / p. 1561-1573 : ill <https://doi.org/10.1007/s00204-020-02720-7>

Toxicity of amyloid beta 1-40 and 1-42 on SH-SY5Y cell line

Krištal, Jekaterina; Bragina, Olga; Metsla, Kristel; Palumaa, Peep; Tõugu, Vello SpringerPlus 2015 / p. 21-22, P19 <http://dx.doi.org/10.1186/2193-1801-4-S1-P19>

Toxicity of amyloid- β peptides varies depending on differentiation route of SH-SY5Y cells

Krištal, Jekaterina; Metsla, Kristel; Bragina, Olga; Tõugu, Vello; Palumaa, Peep Journal of Alzheimer's disease 2019 / p. 879-887 <https://doi.org/10.3233/JAD-190705> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)