

Amyloid-beta PET and CSF in an autopsy-confirmed cohort

Reimand, Juhan; Boon, Baayla D.C.; Collij, Lyduine E.; Teunissen, Charlotte E.; Rozemuller, Annemieke J.M.; Van Berckel, Bart N.M.; Scheltens, Philip; Ossenkoppele, Rik; Bouwman, Femke Annals of clinical and translational neurology 2020 / p. 2150–2160
<https://doi.org/10.1002/acn3.51195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Assessing amyloid pathology in cognitively normal subjects using 18F-flutemetamol PET : comparing visual reads and quantitative methods

Collij, Lyduine E.; Konijnenberg, Elles; **Reimand, Juhan;** Kate, Mara ten; den Braber, Anouk; Alves, Isadora Lopes; Zwan, Marissa; Yaqub, Maqsood; van Assema, Daniëlle M.E.; Wink, Alle Meije Journal of nuclear medicine 2019 / 7 p. : ill
<https://doi.org/10.2967/jnumed.118.211532> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Association of amyloid-β CSF/PET discordance and tau load 5 years later

Reimand, Juhan; Collij, Lyduine E.; Scheltens, Philip Neurology 2020 / p. e2648-e2657 : ill
<https://doi.org/10.1212/WNL.00000000000010739> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7963352/> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Berberine, a popular dietary supplement for human and animal health : quantitative research literature analysis – a review

Yeung, Andy Wai Kan; Orhan, Ilkay Erdogan; Aggarwal, Bharat Bhushan; Battino, Maurizio; Belwal, Tarun; Bishayee, Anupam; Daglia, Maria; Devkota, Hari Prasad; El-Demerdash, Amr; Balacheva, Aneliya A.; Georgieva, Maya G.; **Gupta, Vijai Kumar** Animal Science Papers and Reports 2020 / p. 5-19
<https://www.igbzpan.pl/uploaded/FSiBundleContentBlockBundleModelTranslatableBlockTranslatableFilesElement/filePath/1583/str5-20.pdf>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Binding of zinc(II) and copper(II) to the full-length Alzheimer's amyloid-[beeta] peptide

Tõugu, Vello; Karafin, Ann; Palumaa, Peep Journal of neurochemistry 2008 / p. 1249-1259 : ill
<https://pubmed.ncbi.nlm.nih.gov/18289347/>

Biophysical studies of the amyloid beta-peptide : interactions with metal ions and small molecules

Wärmländer, Sebastian K.T.S.; **Tiiman, Ann;** Abelein, Axel Chembiochem : a European journal of chemical biology 2013 / p. 1692-1704 : ill <https://doi.org/10.1002/cbic.201300262> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Brain-specific metallothionein-3 has higher metal-binding capacity than ubiquitous metallothioneins and binds metals noncooperatively

Palumaa, Peep; Eriste, Elo; **Njunkova, Olga;** Pokras, Lesja; Jorvall, H.; Sillard, Rannar Biochemistry 2002 / 19, p.6158-6163
<https://pubmed.ncbi.nlm.nih.gov/11994011/>

Characterization of Uranyl (UO₂²⁺) ion binding to Amyloid Beta (Aβ) peptides : effects on Aβ 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>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical modification of met and his residues of amyloid β peptide. Influence of copper ions and effect on fibrillization =

Metioniini ja histidiini jääkide keemiline modifitseerimine amüloid-β peptiidis. Vaskioonide mõju ja efekt fibrillisatsioonile
Sardis, Merlin 2021 <https://doi.org/10.23658/taltech.19/2021> https://www.ester.ee/record=b5416905*est
<https://digikogu.taltech.ee/et/Item/acced69c-c690-4cb5-a972-48e1c4ae5c66>

Coordination of zinc ions to the key proteins of neurodegenerative diseases: A[beeta], APP, [alfa]-synuclein and PrP

Tõugu, Vello; Palumaa, Peep Coordination chemistry reviews 2012 / p. 2219-2224 : ill
https://www.researchgate.net/publication/236131300_Coordination_of_zinc_ions_to_the_key_proteins_of_neurodegenerative_diseases_Ab_APP_a-synuclein_and_PrP

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

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](#)

Discordance between amyloid-β PET and CSF biomarkers : clinical and pathophysiological consequences = Amüloid-β staatus vastuolu PET-uuringul ning liikvorianalüüsil : kliiniline ja patofüsioloogiline tähendus

Reimand, Juhan 2021 <https://doi.org/10.23658/taltech.15/2021> https://www.ester.ee/record=b5431268*est
<https://digikogu.taltech.ee/et/Item/d14a365f-fbfc-4595-923e-473262485fe2>

Discordant amyloid-β PET and CSF biomarkers and its clinical consequences

Wilde, Arno de; **Reimand, Juhan**; Teunissen, Charlotte E.; Zwan, Marissa Alzheimer's Research & Therapy 2019 / art. 78, 13 p. : ill
<https://doi.org/10.1186/s13195-019-0532-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Doktorant loodab vase reguleerimisega Alzheimerit ennetada

Filippov, Madis med24.ee 2023 [Doktorant loodab vase reguleerimisega Alzheimerit ennetada](#)

Doktoritöö aitab lahendada Alzheimeri diagnoosimisega seotud vastuolusid

Mente et Manu 2021 / lk. 20-21 https://www.ester.ee/record=b1242496*est <https://doi.org/10.23658/taltech.15/2021>

Doktoritöö aitab lahendada Alzheimeri diagnoosimisega seotud vastuolusid [Võrguväljaanne]

mu.ee 2021 "[Doktoritöö aitab lahendada Alzheimeri diagnoosimisega seotud vastuolusid](#)"

Doktoritöö aitab lahendada Alzheimeri diagnoosimisega seotud vastuolusid [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2021 "[Doktoritöö aitab lahendada Alzheimeri diagnoosimisega seotud vastuolusid](#)"

Eesti neuroteadlased avastasid uue ajus olulise DNA elemendi

tervise.geenius.ee 2023 [Eesti neuroteadlased avastasid uue ajus olulise DNA elemendi](#) <https://doi.org/10.1002/glia.24463>

Eesti teadlased aitavad EAS-i raha abil võidelda Alzheimeri tõve vastu : [Peep Palumaa kommentaariga uuringutest ravimi tootmiseks]

Feldmanis, Andris; **Palumaa, Peep** Eesti Päevaleht 2005 / 6. aug., lk. 4 : fot

Eesti teadlaste leid võib sillutada teed uutmoodi depressiooniravile

novaator.err.ee 2025 <https://novaator.err.ee/1609664366/eesti-teadlaste-leid-voib-sillutada-teed-uutmoodi-depressiooniravile>
<https://doi.org/10.1523/JNEUROSCI.0313-24.2025>

Eesti tänavused teadussaavutused ulatuvad mammutitest vesinikuni

Pärm, Rein Postimees 2024 / lk. 10-11 <https://dea.digar.ee/article/postimees/2024/12/31/7.1> <https://teadus.postimees.ee/8163134/eesti-teadussaavutused-aastal-2024-mammutitest-vesinikuni>

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](#)

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

Friedemann, Merlin; Helk, Eneken; Tiiman, Ann; Zovo, Kairit; Palumaa, Peep; Tõugu, Vello Biochemistry and biophysics reports 2015 / p. 94-99 : ill <http://dx.doi.org/10.1016/j.bbrep.2015.07.017>

Estonian scientists' find could pave the way for new depression treatment

err.ee 2025 <https://news.err.ee/1609664915/estonian-scientists-find-could-pave-the-way-for-new-depression-treatment>
<https://doi.org/10.1523/JNEUROSCI.0313-24.2025>

Identifying the role of co-aggregation of Alzheimer's amyloid-β with amorphous protein aggregates of non-amyloid proteins

Wu, Jinming; Österlund, Nicklas; Wang, Hongzhi; Sternke-Hoffmann, R.; **Pupart, Hegne;** Ilag, Leopold L.; Gräslund, Astrid; Luo, Jinghui Cell Reports Physical Science 2022 / art. 101028 <https://doi.org/10.1016/j.xcrp.2022.101028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In situ fibrillizing amyloid-beta 1-42 induces neurite degeneration and apoptosis of differentiated SH-SY5Y cells

Krishtal, Jekaterina; Bragina, Olga; Metsla, Kristel; Palumaa, Peep; Tõugu, Vello PLoS ONE 2017 / art. e0186636, 16 p. : ill
<https://doi.org/10.1371/journal.pone.0186636> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Interaction between oligomers of stefin B and amyloid-[beta] in vitro and in cells

Škerget, Katja; Taler-Veričič, Ajda; **Kumm, Tiina; Palumaa, Peep** Journal of biological chemistry 2010 / 5, p. 3201-3210
<https://pubmed.ncbi.nlm.nih.gov/19955183/>

Interactions of Alzheimer's amyloid-β peptides with Zn(II) and Cu(II) ions = Alzheimeri amüloid-β peptiidide interaktsioonid Zn(II) ja Cu(II) ioonidega

Tiiman, Ann 2012 https://www.ester.ee/record=b2866174*est

Interactions of metal ions with peptides and proteins related to Alzheimer's disease = Metallioonide interaktsioonid Alzheimeri tõvega seotud peptiidide ja valkudega

Berntsson, Elina 2025 https://www.ester.ee/record=b5720764*est <https://doi.org/10.23658/taltech.5/2025>
<https://digikogu.taltech.ee/et/Item/ccd57cc9-0670-4c08-b9b8-9bc359475486>

Interactions of zinc(II) and copper(II) to the full-length Alzheimer's amyloid-B peptide in vitro

Karafin, Ann; Palumaa, Peep; Tõugu, Vello FEBS journal 2008 / Suppl. 1, p. 222

Interactions of Zn(II) and Cu(II) ions with Alzheimer's amyloid-beta peptide. Metal ion binding, contribution to fibrillization and toxicity

Tõugu, Vello; Tiiman, Ann; Palumaa, Peep Metallomics 2011 / p. 250-261 : ill

<https://academic.oup.com/metallomics/article/3/3/250/6016214>

Label-free high-throughput screening assay for inhibitors of Alzheimer's amyloid-[beta] peptide aggregation based on MALDI MS

Zovo, Kairit; Helk, Eneken; Karafin, Ann; Tõugu, Vello; Palumaa, Peep Analytical chemistry 2010 / p. 8558-8565

https://www.researchgate.net/publication/46392320_Label-Free_High-Throughput_Screening_Assay_for_Inhibitors_of_Alzheimer's_Amyloid-beta_Peptide_Aggregation_Based_on_MALDI_MS

Lithium ions display weak interaction with amyloid-beta (Aβ) peptides and have minor effects on their aggregation

Berntsson, Elina; Paul, Suman; Vosough, Faraz; Sholts, Sabrina B.; Jarvet, Jüri; Roos, Per M.; Barth, Andreas; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. Acta biochimica Polonica 2021 / p. 169-179 https://doi.org/10.18388/abp.2020_5493 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Looduslik toidulisand võib aidata Alzheimeri tõve ennetada = Эстонские ученые исследуют новый способ борьбы с болезнью Альцгеймера

Kirss, Sigrid novaator.err.ee 2024 [Looduslik toidulisand võib aidata Alzheimeri tõve ennetada](#) [Эстонские ученые исследуют новый способ борьбы с болезнью Альцгеймера](#)

Medical plants and nutraceuticals for amyloid-β fibrillation inhibition

Witter, Steffi; Witter, Raiker; Vilu, Raivo; Samoson, Ago Journal of Alzheimer's Disease Reports 2018 / p. 239-252 : ill

<http://doi.org/10.3233/ADR-180066>

Mercury and Alzheimer's disease: Hg(II) ions display specific binding to the amyloid-β 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](#)

Metabolism of copper and possibilities for its regulation

Palumaa, Peep Proceedings of the Estonian Academy of Sciences 2023 / p. 382-392 <https://doi.org/10.3176/proc.2023.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metal binding of metallothionein-3 versus metallothionein-2 : lower affinity and higher plasticity

Palumaa, Peep; Tammiste, Indrek; Kruusel, Keiu; Kangur, Liina; Jõrnvall, Hans; Sillard, Rannar Biochimica et biophysica acta : proteins and proteomics 2005 / 2, p. 205-211 : ill <https://www.sciencedirect.com/science/article/pii/S1570963904003164>

Metal binding to brain-specific metallothionein-3 studied by electrospray ionization mass spectrometry

Palumaa, Peep; Eriste, Elo; Kruusel, Keiu; Kangur, Liina; Jõrnvall, Hans; Sillard, Rannar Cellular and molecular biology 2003 / 5, p. 763-768 <https://pubmed.ncbi.nlm.nih.gov/14528913/>

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

Friedemann, Merlin; Helk, Eneken; Tiiman, Ann; Zovo, Kairit; Palumaa, Peep; Tõugu, Vello SpringerPlus 2015 / p. 20, P13 <http://dx.doi.org/10.1186/2193-1801-4-S1-P13>

Porfüriinid ja bilirubiin pärsivad Alzheimeri amüloid beta peptiidi agregatsiooni

Tšekulajeva, Ludmilla; Ševtšuk, Igor; Tšekulajev, Vladimir; Palumaa, Peep XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 165-166 https://www.ester.ee/record=b2314480*est

Posterioorne kortikaalne atroofia – nägemishäirena avalduva varajase algusega Alzheimeri tõve haigusjuhu kirjeldus

Reimand, Juhan; Zopp, Mairi; Varus, Heivi; Gross-Paju, Katrin Eesti Arst 2019 / lk. 664-668 : ill

http://www.ester.ee/record=b1072028*est <http://eestiartst.ee/posterioorne-kortikaalne-atroofia-nagemishairena-avalduva-varajase-algusega-alzheimeri-tove-haigusjuhu-kirjeldus/>

Residue-specific binding of Ni(II) ions influences the structure and aggregation of amyloid beta (Aβ) peptides

Berntsson, Elina; Vosough, Faraz; Svantesson, Teodor; Pansieri, Jonathan; Iashchishyn, Igor A.; Ostojić, Lucija; Dong, Xiaolin; Paul,

Suman; Jarvet, Jüri; Roos, Per M.; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. Scientific Reports 2023 / art. 3341
<https://doi.org/10.1038/s41598-023-29901-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Silmatorkamatu DNA jupp võib kujutada võtit ajuhaiguste leevendamiseks

novaator.err.ee 2023 [Silmatorkamatu DNA jupp võib kujutada võtit ajuhaiguste leevendamiseks](#) [Небольшой участок ДНК может стать ключом к лечению заболеваний мозга](#)

Tau pathology and relative cerebral blood flow are independently associated with cognition in Alzheimer's disease

Visser, Denise; Wolters, Emma E.; Verfaillie, Sander C.J.; Coomans, Emma M.; Timmers, Tessa; Tuncel, Hayel; **Reimand, Juhan**; Boellaard, Ronald; Windhorst, Albert D.; Scheltens, Philip; Scheltens, Philip European journal of nuclear medicine and molecular imaging 2020 / p. 3165–3175 <https://doi.org/10.1007/s00259-020-04831-w>

Tau PET correlates with different Alzheimer's disease-related features compared to CSF and plasma p-tau biomarkers

Ossenkoppele, Rik; **Reimand, Juhan**; Smith, Ruben; Leuzy, Antoine; Strandberg, Olof; Palmqvist, Sebastian; Stomrud, Erik; Zetterberg, Henrik EMBO Molecular Medicine 2021 / art. e14398 <https://doi.org/10.15252/emmm.202114398> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The missing link in the amyloid cascade of Alzheimer's disease - metal ions

Tiiman, Ann; **Palumaa, Peep**; **Tõugu, Vello** Neurochemistry international 2013 / p. 367-378 : ill
<https://doi.org/10.1016/j.neuint.2013.01.023> <https://www.sciencedirect.com/science/article/pii/S0197018613000326> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Tsingi ja vase rakulised funktsioonid ja roll Alzheimeri tõve patoloogias : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Palumaa, Peep Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 193-214 : ill

TTÜ geenitehnoloogid otsivad ravimit Alzheimeri tõvele

Palumaa, Peep; Helme, Kristi Mente et Manu 2013 / lk. 14-16 : fot

2-Deoxyglucose drives plasticity via an adaptive ER stress-ATF4 pathway and elicits stroke recovery and Alzheimer's resilience

Kumar, Amit; Karuppagounder, Saravanan S.; Chen, Yingxin; Corona, Carlo; Kawaguchi, Riki; Chen, Yuyan; Balkaya, Mustafa; Sagdullaev, Botir T.; Wen, Zhexiong; Stuart, Charles; Cho, Sunghee; Ming, Guo-li; **Tuvikene, Jürgen**; **Timmusk, Tõnis**; Geschwind, Daniel H.; Ratan, Rajiv R. Neuron 2023 / p. 2831-2846 : ill <https://doi.org/10.1016/j.neuron.2023.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

USAs anti roheline tuli esimesele Alzheimeri ravimile 20 aasta jooksul [Võrguväljaanne]

Voltri, Johannes novaator.err.ee 2021 ["USAs anti roheline tuli esimesele Alzheimeri ravimile 20 aasta jooksul"](#)

Uudsed suunad Alzheimeri tõve ravimiarenduses

Palumaa, Peep Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 113-116

Uued võimalused neuroloogiliste haiguste bioloogiliseks raviks

Gross-Paju, Katrin Lege Artis : ajakiri Eesti arstidele 2021 / lk. 85-87 https://www.ester.ee/record=b1575283*est
<https://www.med24.ee/ajakirjad/legeartis/mai-2021/uued-v%C3%B5imalused-neuroloogiliste-haiguste-bioloogiliseks-raviks>

Vaskioonide roll Alzheimeri amüloidse beeta peptiidi [p. o. peptiidi] agregatsioonil ja toksilisusel

Tõugu, Vello; **Tiiman, Ann**; **Palumaa, Peep** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 102

Why is amyloid-β PET requested after performing CSF biomarkers?

Reimand, Juhan; Groot, Colin; Teunissen, Charlotte E.; Windhorst, Albert D.; Boellaard, Ronald; Barkhof, Frederike; Nazarenko, Sergei; van der Flier, Wiesje M.; Scheltens, Philip; Ossenkoppele, Rik; Bouwman, Femke Journal of Alzheimer's disease 2020 / p. 559-569 <https://doi.org/10.3233/JAD-190836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

α-Lipoic acid has the potential to normalize copper metabolism, which is dysregulated in Alzheimer's disease

Metsla, Kristel; **Kirss, Sigrid**; **Laks, Katrina**; **Sildnik, Gertrud**; **Palgi, Mari**; **Palumaa, Teele**; **Tõugu, Vello**; **Palumaa, Peep** Journal of Alzheimer's Disease 2022 / p. 715-728 <https://doi.org/10.3233/JAD-215026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

α -Lipoic acid: a potential regulator of copper metabolism in Alzheimer's disease

Kirss, Sigrid; Reinapu, Anette; **Kabin, Ekaterina**; **Smirnova, Julia**; **Tõugu, Vello**; **Palumaa, Peep** *Frontiers in Molecular Biosciences* 2024 / art. 1451536 <https://doi.org/10.3389/fmolb.2024.1451536> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)