

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
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Characterization of Uranyl (UO₂²⁺) ion binding to Amyloid Beta (A β) peptides : effects on A β 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>
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Coordination of zinc ions to the key proteins of neurodegenerative diseases: A[β], APP, [a]lfa-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

Lithium ions display weak interaction with amyloid-beta (A β) 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](#)

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
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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](#)

Residue-specific binding of Ni(II) ions influences the structure and aggregation of amyloid beta (A β) peptides
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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
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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](#)

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](#)

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

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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

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