

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; Jarvet, 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](#)

Metal ratios as possible biomarkers for amyotrophic lateral sclerosis

Koski, Lassi; **Berntsson, Elina**; Vikström, Max; Wärmländer, Sebastian K.T.S.; Roos, Per M. *Journal of trace elements in medicine and biology* 2023 / art. 127163, 8 p. : ill <https://doi.org/10.1016/j.jtemb.2023.127163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metals in ALS TDP-43 pathology

Koski, Lassi; Ronnevi, Cecilia; **Berntsson, Elina**; Wärmländer, Sebastian K. T. S.; Roos, Per M. *International Journal of Molecular Sciences* 2021 / Art. nr. 12193 <https://doi.org/10.3390/ijms222212193> [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

Berntsson, Elina; Vosough, Faraz; Svantesson, Teodor; Pansieri, Jonathan; Iashchishyn, Igor A.; Ostojčić, 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](#)