

Albumin affects the stability, oligomerization and ligand interactions of lipoprotein lipase
Risti, Robert; Gunn, Kathryn H.; Hiis-Hommuk, Kristofer; Seeba, Natjan-Naatan; Villo, Ly; Vendelin, Marko; Neher, Saskia B.; Lõokene, Aivar Atherosclerosis 2022 / p. 68 <https://doi.org/10.1016/j.atherosclerosis.2022.06.428>

Albumin and heparin together or separately — different outcome on lipoprotein lipase oligomerization and stability
Risti, Robert; Gunn, K.; Villo, Ly; Hiis-Hommuk, Kristofer; Seeba, Natjan-Naatan; Karimi, Hamed; Vendelin, Marko; Neher, Saskia B.; Lõokene, Aivar FEBS Open Bio 2023 / p. 223 <https://doi.org/10.1002/2211-5463.13646>

Angiopoietin-like protein 4 converts lipoprotein lipase to inactive monomers and modulates lipase activity in adipose tissue

Sukonina, V.; **Lõokene, Aivar**; Olivecrona, T.; Olivecrona, G. Proceedings of the National Academy of Sciences of the United States of America 2006 / 46, p. 17450-17455 <https://pubmed.ncbi.nlm.nih.gov/17088546/>

Apolipoprotein A-V-heparin interactions : implications for plasma lipoprotein metabolism

Lõokene, Aivar; Beckstead, Jennifer; Nilsson, S.; Olivecrona, G.; Ryan, R.O. Journal of biological chemistry 2005 / 27, p. 25383-25387 <https://pubmed.ncbi.nlm.nih.gov/15878877/>

Apolipoprotein C-II : the re-emergence of a forgotten factor

Wolska, Anna; **Reimund, Mart**; Remaley, Alan T. Current opinion in lipidology 2020 / p. 147-153
<https://doi.org/10.1097/MOL.0000000000000680> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Apolipoprotein C-II mimetic peptide is an efficient activator of lipoprotein lipase in human plasma as studied by a calorimetric approach

Reimund, Mart; Wolska, Anna; Risti, Robert; Wilson, Sierra; Sviridov, Denis O.; Remaley, Alan T.; Lõokene, Aivar Biochemical and biophysical research communications 2019 / p. 67-72 <https://doi.org/10.1016/j.bbrc.2019.08.130> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Apolipoprotein mimetic peptides : potential new therapies for cardiovascular diseases

Wolska, Anna; **Reimund, Mart**; Sviridov, Denis O.; Amar, Marcelo J.; Remaley, Alan T. Cells 2021 / art. 597
<https://doi.org/10.3390/cells10030597>

Apolipoproteins C-I and C-III inhibit lipoprotein lipase activity by displacement of the enzyme from lipid droplets

Larsson, Mikael; Vorrsjö, Evelina; Talmund, Philippa; **Lõokene, Aivar**; Olivecrona, Gunilla Journal of biological chemistry 2013 / p. 33997-34008 : ill

Aterogeensete lipoproteiinide määramine Euroopa uusimate soovituste alusel

Serg, Martin; Zemtsovskaja, Galina; **Viigimaa, Margus** Eesti Arst 2021 / lk. 295-299 : ill http://www.estar.ee/record=b1072028*est
<https://ojs.utlib.ee/index.php/EA/article/view/17432>

1,1'-bis(anilino)-4,4'-bis(naphthalene)-8,8'-disulfonate acts as an inhibitor of lipoprotein lipase and competes for binding with apolipoprotein CII

Lõokene, Aivar; Zhang, L.; Tõugu, Vello; Olivecrona, G. Journal of biological chemistry 2003 / p. 37183-37194
<https://doi.org/10.1074/jbc.m303894200>

Calcium triggers folding of lipoprotein lipase into active dimers

Zhang, L.; **Lõokene, Aivar**; Wu, G.; Olivecrona, G. Journal of biological chemistry 2005 / 52, p. 42580-42591
<https://pubmed.ncbi.nlm.nih.gov/16179346/>

Calorimetric assay reveals the importance of substrate choice for determination of lipoprotein lipase activity

Risti, Robert; Villo, Ly; Lõokene, Aivar Atherosclerosis 2021 / p. e122 <https://doi.org/10.1016/j.atherosclerosis.2021.06.361> [Journal metrics at Scopus](#) [Article at WOS](#)

Calorimetry as a tool for mechanistic studies of lipolytic enzymes under in vivo like conditions = Kalorimeetria rakendamine lipoliütiliste ensüümide mehhanismide uurimiseks

Risti, Robert 2023 <https://doi.org/10.23658/taltech.19/2023> <https://digikogu.taltech.ee/et/item/40f4a8ba-7a1a-4612-a455-00b1cc0d62d7>
https://www.estar.ee/record=b5560479*est

Calreticulin promotes folding/dimerization of human lipoprotein lipase expressed in insect cells (sf21)

Zhang, L.; Wu, G.; Tate, C.G.; **Lõokene, Aivar**; Olivecrona, G. Journal of biological chemistry 2003 / 31, 29344-29351
<https://www.sciencedirect.com/science/article/pii/S002192582084438X>

Combined action of albumin and heparin regulates lipoprotein lipase oligomerization, stability, and ligand interactions

Risti, Robert; Gunn, Kathryn H.; Hiis-Hommuk, Kristofer; Seeba, Natjan-Naatan; Karimi, Hamed; Villo, Ly; Vendelin, Marko; Neher, Saskia B.; Lõokene, Aivar PLoS ONE 2023 / art. e0283358, 24 p. : ill <https://doi.org/10.1371/journal.pone.0283358>

Effects of six APOA5 variants, identified in patients with severe hyperglyceridemia, on in vitro lipoprotein lipase activity

and receptor binding

Dorfmeister, B.; Zeng, W.W.; **Lõokene, Aivar** Arteriosclerosis, thrombosis and vascular biology 2008 / 10, p. 1866-1871
<https://pubmed.ncbi.nlm.nih.gov/18635818/>

Glükosülfosfatidülinositool ankurdatud kõrge tihedusega lipoproteiine siduva valk ühe N-terminaalse domääni roll interaktsioonis lipoproteiinlipaasiga

Reimund, Mart; Robal, Terje; Lillepruun, Miina; **Lõokene, Aivar** XXXII Eesti Keemiatänav : teaduskonverentsi teesid 2011 / lk. 84

Identification of a small molecule that stabilizes lipoprotein lipase in vitro and lowers triglycerides in vivo

Larsson, Mikael; Caraballo, Remi; **Lõokene, Aivar** Biochemical and biophysical research communications 2014 / p. 1063-1069 : ill

Isolation and characterization of low sulfated heparan sulfate sequences with affinity for lipoprotein lipase

Spillmann, Dorothe; **Lõokene, Aivar**; Olivecrona, Gunilla Journal of biological chemistry 2006 / 33, p. 23405-23413 : ill
<https://www.sciencedirect.com/science/article/pii/S0021925819463783>

Lipoproteiiniga seostunud fosfolipaas A2 kui uus sõltumatu kardiovaskulaarne riskitegur ja ravi sihtmärk

Viigimaa, Margus Eesti Arst 2013 / lk. 92-97 : ill https://artiklid.elnet.ee/record=b2604075*est

Lipoproteiinlipaasi aktiivsuse regulatsioon angiopoietini-sarnase valgu 4 kaudu ning seda mõjutavad tegurid

Robal, Terje; Lillepruun, Miina; **Lõokene, Aivar** XXXI Eesti keemiatänav : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 69

Lipoprotein lipase activity and interactions studied in human plasma by isothermal titration calorimetry

Reimund, Mart; Kovrov, Oleg; Olivecrona, Gunilla; **Lõokene, Aivar** Journal of lipid research 2017 / p. 279-288 : ill
<https://doi.org/10.1194/jlr.D071787>

Lipoprotein lipase activity does not differ in the serum environment of vegans and omnivores

Seeba, Natjan-Naatan; Risti, Robert; **Lõokene, Aivar** Nutrients 2023 / art. 2755 <https://doi.org/10.3390/nu15122755>

Lipoprotein(a) and Benefit of PCSK9 inhibition in patients with nominally controlled LDL cholesterol

Schwartz, Gregory G.; Szarek, Michael; Bittner, Vera A.; Diaz, Rafael; Goodman, Shaun G.; Viigimaa, Margus Journal of the American College of Cardiology 2021 / p. 421–433 : ill <https://www.jacc.org/doi/epdf/10.1016/j.jacc.2021.04.102>
<https://doi.org/10.1016/j.jacc.2021.04.102>

New aspects in stabilization and activation mechanisms of lipoprotein lipase = Uudsed aspektid lipoproteiinlipaasi stabiilsuse ja aktiivsuse regulatsioonis

Reimund, Mart 2019 <https://digikogu.taltech.ee/et/item/e172019a-13cb-449f-bbe5-a471316ecfbb>

PCSK9 Inhibitor causes a decrease in the level of oxidatively modified low-density lipoproteins in patients with coronary artery diseases

Lakin, Vadim Z.; Tikhaze, Alla K.; Viigimaa, Margus; Chazova, Irina Evgenevna Terapevticheskii Arkhiv 2018 / p. 27-30
<https://doi.org/10.26442/terarkh201890927-30> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Surface plasmon resonance studies of lipoprotein interactions

Lõokene, Aivar The 1st International Conference of Biomedical Spectroscopy : from Molecules to Man 2002 / ? p

Uudsed mehhanismid lipoproteiinlipaasi aktiivsuse ja stabiilsuse regulatsioonis

Robal, Terje; Lillepruun, Miina; Reimund, Mart; **Lõokene, Aivar** XXXII Eesti Keemiatänav : teaduskonverentsi teesid 2011 / lk. 87

Varajase südameinfarkti ohtu tüürib uudne riskitegur

Vikat, Marilin Postimees 2022 / Lk. 9 : fot <https://dea.digar.ee/article/postimees/2022/01/04/7.1>