

Author correction: First crystal structure of an endo-levanase – the BT1760 from a human gut commensal Bacteroides thetaiotaomicron (Scientific Reports, (2019), 9, 1, (8443), 10.1038/s41598-019-44785-0)

Ernits, Karin; **Eek, Priit; Lukk, Tiit**; Visnapuu, Triinu; Alamäe, Tiina Scientific reports 2019 / art. 17512, 1 p.

<https://doi.org/10.1038/s41598-019-54274-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Basic helix-loop-helix pioneer factors interact with the histone octamer to invade nucleosomes and generate nucleosome-depleted regions

Donovan, Benjamin T.; Chen, Hengye; **Eek, Priit**; Meng, Zhiyuan; Jipa, Caroline; Tan, Song; Bai, Lu; Poirier, Michael G. Molecular cell 2023 / p. 1251-1263.e6 <https://doi.org/10.1016/j.molcel.2023.03.006>

Characterization of bacterial dye-decolorizing peroxidases = Bakteriaalseite värvi pleegitavate peroksüdaaside iseloomustamine

Pupart, Hegne 2024 https://www.ester.ee/record=b5713840*est <https://digikogu.taltech.ee/et/Item/d40055e9-2600-4e49-8aec-3f561267772e>
<https://doi.org/10.23658/taltech.72/2024>

Characterization of protein kinase ULK3 regulation by phosphorylation and inhibition by small molecule SU6668

Kasak, Lagle; Näks, Mihkel; **Eek, Priit**; Piirsoo, Alla; Bhadoria, Rohit; Starkov, Pavel; Saarma, Merilin; Kasvandik, Sergio; Piirsoo, Marko Biochemistry 2018 / p. 5456–5465 <https://doi.org/10.1021/acs.biochem.8b00356> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A conserved π -cation and an electrostatic bridge are essential for 11R-lipoxygenase catalysis and structural stability

Eek, Priit; Piht, Mari-Ann; Rätsep, Margus; Freiberg, Arvi; Järving, Ivar; Samel, Nigulas Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids 2015 / p. 1377-1382 : ill <https://doi.org/10.1016/j.bbalip.2015.07.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dual engagement of the nucleosomal acidic patches is essential for deposition of histone H2A.Z by SWR1C

Baier, Alexander S.; Gioacchini, Nathan; **Eek, Priit**; Leith, Erik M.; Tan, Song; Peterson, Craig L. BioRxiv 2024 / 56 p
<https://doi.org/10.1101/2021.12.08.471801>

Dual engagement of the nucleosomal acidic patches is essential for deposition of histone H2A.Z by SWR1C

Baier, Alexander S.; Gioacchini, Nathan; **Eek, Priit**; Leith, Erik M.; Tan, Song; Peterson, Craig L. eLife 2024 / art. RP94869
<https://doi.org/10.7554/eLife.94869.3>

Expression and purification of bacterial dye-decolorizing peroxidases using Escherichia coli

Pupart, Hegne; **Eek, Priit** Lignin-degrading enzymes 2025 / art. 156, p. 143-156 <https://doi.org/10.1016/bs.mie.2025.03.004> [Scopus](#)

First crystal structure of a bacterial endo-levanase

Ernits, Karin; **Eek, Priit; Lukk, Tiit**; Visnapuu, Triinu; Alamäe, Tiina FEBS3+ conference of Latvian, Lithuanian and Estonian Biochemical Societies : abstract book : Riga, Latvia, 17-19 June 2019 2019 / p. 22

First crystal structure of an endo-levanase - the BT1760 from a human gut commensal Bacteroides thetaiotaomicron

Ernits, Karin; **Eek, Priit; Lukk, Tiit** Scientific reports 2019 / art. 8443, 13 p. : ill <https://doi.org/10.1038/s41598-019-44785-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Gly188Arg substitution eliminates substrate inhibition in arachidonate 11R-lipoxygenase

Põldmaa, Kaspar; Lipp, Maarja; Järving, Ivar; Samel, Nigulas; **Eek, Priit** Biochemical and biophysical research communications 2019 / p. 81-85 : ill <https://doi.org/10.1016/j.bbrc.2019.08.132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of 11R-lipoxygenase quaternary structure

Eek, Priit; Põldmaa, Kaspar; Kasvandik, Sergio; Järving, Ivar; Samel, Nigulas Book of abstracts : 6th European Workshop on Lipid Mediators (6EWLM), Goethe University in Frankfurt am Main, Germany, September 27-30, 2016 2016 / p. 112 http://workshop-lipid.eu/pictures/Abstract%20book-6EWLM_160926.pdf

11R-lipoksügenaasi kristallstruktuuri mudel

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Mutational analysis of Arabidopsis thaliana ABCE2 identifies important motifs for its RNA silencing suppressor function

Mõttus, Jelena; Maiste, Siim; **Eek, Priit**; Truve, Erkki; Sarmiento Guerin, Maria Cecilia Plant Biology 2021 / p. 21-31 : ill <https://doi.org/10.1111/plb.13193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A PDZ-like domain mediates the dimerization of 11R-lipoxygenase

Eek, Priit; Põldmaa, Kaspar; Kasvandik, Sergio; Järving, Ivar; Samel, Nigulas Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 1121-1128 : ill <https://doi.org/10.1016/j.bbalip.2017.07.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural studies of chromatin proteins : the impact of Cryo-EM

Eek, Priit; Tan, Song FEBS3+ Conference of Estonian, Latvian and Lithuanian Biochemical Societies, Tallinn, 15-17th of June, 2022
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Structure and regulation of arachidonate 11R-lipoxygenase = Arahhidoonhappe 11R-lipoksügenaasi struktuur ja regulatsioon

Eek, Priit 2018 <https://digi.lib.ttu.ee/i/?9953> https://www.ester.ee/record=b5056537*est

Structure of a calcium-dependent 11R-lipoxygenase suggests a mechanism for Ca²⁺ regulation

Eek, Priit; Järving, Reet; Järving, Ivar; Gilbert, Nathaniel C.; Newcomer, Marcia E.; **Samel, Nigulas** The journal of biological chemistry 2012 / p. 22377-22386 : ill <https://pubmed.ncbi.nlm.nih.gov/22573333/>