

**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 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  $\pi$ -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>

**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>

**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**

**Pöldemaa, Kaspar; Lipp, Maarja; Järving, Ivar; Samel, Nigulas; Eek, Priit** Biochemical and biophysical research

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**Investigation of 11R-lipoxygenase quaternary structure**

**Eek, Priit; Pöldemaa, 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](http://workshop-lipid.eu/pictures/Abstract%20book-6EWLM_160926.pdf)

**11R-lipoksügenaasi kristallstruktuuri mudel**

**Eek, Priit; Järving, Reet; Järving, Ivar**; Newcomer, Marcia E.; **Samel, Nigulas** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 18

**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; Pöldemaa, 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 : abstract book 2022 / p. 59 [https://biokeemiaselts.ee/wp-content/uploads/2022/06/ABSTRACT-BOOK\\_FEBS32022\\_Tallinn.pdf](https://biokeemiaselts.ee/wp-content/uploads/2022/06/ABSTRACT-BOOK_FEBS32022_Tallinn.pdf)

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**Structure of a calcium-dependent 11R-lipoxygenase suggests a mechanism for Ca<sup>2+</sup> 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