

VU BIOTECHNOLOGIJOS INSTITUTO

2016-ųjų m. publikacijos

Baltymų nukleorūgščių sąveikos tyrimo skyrius

1. **Merkys A., Vaitkus A.,** Butkus J., **Okulic-Kazarinas M., Kairys V., Grazulis S<sup>1</sup>.** *COD::CIF::Parser*: an error-correcting CIF parser for the Perl language. *J. Appl. Cryst.* 2016, 49: 292–301.
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3. Müller M., Lee C.M., **Gasiunas G.,** Davis T.H., Cradick T.J., **Siksnys V.,** Bao G., Cathomen T., Mussolino C. *Streptococcus thermophilus* CRISPR-Cas9 Systems Enable Specific Editing of the Human Genome. *Molecular Therapy.* 2016, 24(3): 636-644.
4. **Kazlauskiene M., Tamulaitis G., Kostiuk G., Venclovas C., Siksnys V.** Spatiotemporal Control of Type III-A CRISPR-Cas Immunity: Coupling DNA Degradation with the Target RNA Recognition. *Molecular Cell.* 2016, 62(2): 295-306.
5. **Siksnys V., Gasiunas G.** Rewiring Cas9 to Target New PAM Sequences. *Molecular Cell.* 2016, 61(6): 793-794.
6. Jakutyte-Giraitiene L., **Gasiunas G.** Design of a CRISPR-Cas system to increase resistance of *Bacillus subtilis* to bacteriophage SPP<sub>1</sub>. *Journal of Industrial Microbiology & Biotechnology.* 2016, 43(8): 1183-1188.
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9. Esyunina D., Turtola M., Pupov D., Bass I., **Klimasauskas S.,** Belogurov G., Kulbachinskiy A.. Lineage-specific variations in the trigger loop modulate RNA proofreading by bacterial RNA polymerases. *Nucleic Acids Res.* 2016, 44(3): 1298-1308.
10. **Butkyte S., Ciupas L., Jakubauskiene E., Vilys L.,** Mocevicus P., **Kanopka A., Vilkaitis G.** Splicing-dependent expression of microRNAs of mirtron origin in human digestive and excretory system cancer cells. *Clinical Epigenetics.* 2016, 8(33): DOI 10.1186/s13148-016-0200-y.

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11. Myriantopoulos V., Cartron P.F., **Liutkevičiūtė Z., Klimašauskas S., Matulis D.**, Bronner C., Martinet N., Mikros E. Tandem virtual screening targeting the SRA domain of UHRF1 identifies a novel chemical tool modulating DNA methylation. *European Journal of Medicinal Chemistry*. 2016, 114: 390-396.
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19. Boelt S.G., Norn C., Rasmussen M.I., André I, **Ciplys E., Slibinskas R.**, Houen G., Højrup P. Mapping the Ca<sup>2+</sup> induced structural change in calreticulin. *Journal of Proteomics*. 2016, 142: 138–148. (straipsnį turiu)
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21. Bruning A.H.L., Susi P., Toivola H., Christensen A., Söderlund-Venermo M., Hedman K., Aatola H., **Zvirbliene A.**, Koskinen J.O. Detection and monitoring of human bocavirus 1 infection by a new rapid antigen test. *New Microbe and New Infect.* 2016, 11: 17–19.

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22. **Linkuviene V., Matuliene J., Juozapaitiene V., Michailoviene V., Jachno J., Matulis D.** Intrinsic thermodynamics of inhibitor binding to human carbonic anhydrase IX. *Biochim. Biophys. Acta-Gen. Subj.* 2016, 1860(4): 708-718.
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