

# Publications

## Selected Publications

Gálvez EJC, Iljazovic A, Amend L, Lesker TR, Renault T, Thiemann S, Hao L, Roy U, Gronow A, Charpentier E and Strowig T. 2020. Distinct polysaccharide utilization determines interspecies competition between intestinal *Prevotella* spp. *Cell Host Microbe* S1931-3128(20)30515-1.

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Broglia L, Lécrivain AL, Renault TT, Hahnke K, Ahmed-Begrich R, Le Rhun A and Charpentier E. 2020. An RNA-seq based comparative approach reveals the transcriptome-wide interplay between 3'-to-5' exoRNases and RNase Y. *Nat. Commun.* 11(1):1587.

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Bratovič M, Fonfara I, Chylinski K, Gálvez EJC, Sullivan TJ, Boerno S, Timmermann B, Boettcher M and Charpentier E. 2020. Bridge helix arginines play a critical role in Cas9 sensitivity to mismatches. *Nat. Chem. Biol.* 16(5):587-595.

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Righetti F, Materne SL, Boss J, Eichner H, Charpentier E and Loh E. 2020. Characterization of a transcriptional TPP riboswitch in the human pathogen *Neisseria meningitidis*. *RNA Biol.* 17(5):718-730.

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Makarova KS, Wolf YI, Iranzo J, Shmakov SA, Alkhnbashi OS, Brouns SJJ, Charpentier E, Cheng D, Haft DH, Horvath P, Moineau S, Mojica FJM, Scott D, Shah SA, Siksnys V, Terns MP, Venclovas Č, White MF, Yakunin AF, Yan W, Zhang F, Garrett RA, Backofen R, van der Oost J, Barrangou R and Koonin EV. 2020. Evolutionary classification of CRISPR-Cas systems: a burst of class 2 and derived variants. *Nat. Rev. Microbiol.* 18(2):67-83.

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Lécrivain AL, Le Rhun A, Renault TT, Ahmed-Begrich R, Hahnke K and Charpentier E. 2018. *In vivo* 3'-to-5' exoribonuclease targetomes of *Streptococcus pyogenes*. *Proc. Natl. Acad. Sci. U. S. A.* 115(46):11814-11819.

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Broglia L, Materne S, Lécrivain AL, Hahnke K, Le Rhun A and Charpentier E. 2018. RNase Y-mediated regulation of the streptococcal pyrogenic exotoxin B. *RNA Biol.* 15(10):1336-1347.

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