

Selected Publications

#	Reference
62	Sharma S, Hedden M, Toledo O, Lyon KF, Brooks S, David RP, Limtong J, Newsome J, Rajasekaran S, Thapar V, Williams S, Schiller MR* (2016) The functional human C-terminome. <i>PLoS ONE</i> , pending.
61	Nasiak MA, Chen X, Wu Q, Han M, Zhan J, Chen J, Abrudan JL, and Schiller MR* (2016) Personalized Medicine in the Era of Genomics: An Exciting Time for Today's Practice. <i>Today's Practice</i> in press.
60	Strong CL, Guerra HP, Mathew KR, Roy N, Simpson LR, and Schiller MR* (2014) Damaging the Integrated HIV Proviral DNA with TALENs <i>PLoS ONE</i> , 10, e0125652. PMID: 25946221 .
59	Sargeant DP, Deverasetty S, Strong CL, Alaniz IJ, Bartlett A, Brandon NR, Brooks SB, Brown FA, Bufi F, Charkarova M, David RP, Dobritch KM, Guerra HP, Hedden MP, Kumra R, Levitt KS, Mathews KR, Matti R, Maza DQ, Mistry S, Novakovic N, Rafalski, TF, Rathnayake V, Rezapour N, Songao S, Tuggle SLYousif S, and Schiller MR* (2014). The HIVToolbox 2 web system integrates sequence, structure, function and mutation analysis. <i>PLoS ONE</i> , 9, e98810. PMID: 24886930 .
58	Sargeant DP, Hedden MW, Deverasetty S, Strong CL, Alaniz IJ, Bartlett AB, Brandon NR, Brooks SB, Brown FA, Bufi F, Charkarova M, David RP, Dobritch KM, Guerra HP, Levit KS, Mathew KR, Matti R, Maza DQ, Mistry S, Novakovic N, Pomerantz A, Rafalski T, Rathnayake V, Rezapour N, Ross CA, Schooler SG, Songao S, Tuggle SL, Wing HJ, Yousif S, and Schiller MR* (2014). The Geogenomic Mutational Atlas of Pathogens (GoMAP) Web System. <i>PLoS ONE</i> , 9, e92877. PMID: 24675726 .
57	Sargeant DP, Gryk MR, Maciejewski MW, Thapar V, Kundeti V, Rajasekaran S, Romero P, Dunker K, Li S-C, Kaneko T, and Schiller MR* (2012) Secondary structure, a missing component of sequence-based minimotif definitions. <i>PLoS One</i> , 7, e49957. PMID: 23236358 .
56	Mi T, Rajasekaran S, Merlin JC, Gryk M, Schiller MR* (2012) Achieving High Accuracy Prediction of Minimotifs. <i>PLoS One</i> , 7, e45589. PMID: 23029121 .
55	Gorbatyuk VY, Schiller MR , Gorbatyuk OI, Barwinski M, Hoch JC (2012) N-terminal Dbl domain of the RhoGEF, Kalirin <i>J. Biomol. NMR</i> 52:269-276, PMID: 22314704 .
54	Merlin JC, Rajasekaran S, Mi T, and Schiller MR* (2012) Reducing false-positive prediction of minimotifs with a genetic interaction filter. <i>PLoS One</i> , 7:e32630, PMID: 22403687 .
53	Li L, Tibiche C., Fu C, Kaneko T, Moran MF, Schiller MR , Li SS, Wang E. (2012) The human phosphotyrosine signaling network: Evolution and hotspots of hijacking in cancer. <i>Genome Res.</i> , 22:1222-1230, PMID: 22194470 .
52	Mi T, Merlin JC, Deverasetty S, Gryk MR, Bill TJ, Brooks AW, Lee LY, Rathnayake V, Ross CA, Sargeant DP, Strong CL, Watts P, Rajasekaran S, Schiller MR* (2012). Minimotif Miner 3.0: database expansion and significantly improved reduction of false-positive predictions from consensus sequences. <i>Nucleic Acids Res.</i> , 40 (Database issue):D252-60. PMID: 22146221 .
51	Fenwick M, Sesanker C, Schiller MR , Ellis H, Hinman L, Vyas J, and Gryk MR (2012) Rudolf: An open-source sandbox for increasing the accessibility of functional programming to the bioinformatics and scientific communities <i>Int. J. Software Eng.</i> Article number 6209130, 89-94.
50	Sargeant D, Deverasetty S, Luo Y, Baleta AV, Zobrist S, Rathnayake V, Russo J, Vyas J, Muesing MA, and Schiller MR* (2011) HIVToolbox, an integrated web application for investigating HIV. <i>PloS One</i> , 6:e20122. PMID: 2167445 .
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48	Ahmed ZM, NürnbergG, Ansar M, Basit S, Javed Q, Morell RJ, Nasreen N, Shearer AE, Ahmad A, Kahrizi K, Shaikh RS, Ali RA, Khan SN, Goebel I, Meyer NC, Kimberling WJ, WebsterJA, Stephan DA, Schiller MR , Bahlo M, Najmabadi H, Gillespie PG, Nürnberg P, Wollnik B, Riazuddin S, Smith RJH, Ahmad W, Müller U, Hammerschmidt M, Friedman TB, Riazuddin S, Leal SM, Ahmad J, Kubisch C (2011) Loss-of-function mutations of ILDR1 cause autosomal recessive hearing impairment DFNB42. <i>Amer. J. Hum. Genet.</i> , 88:127-137. PMID: 21255762 .
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