

Representative collaborative papers published at SLU

My expertise in genomics assays and bioinformatics has allowed me to collaborate with many other researchers within and outside SLU. As a result, this has led to the following high-impact papers.

Journal Name	Impact factor
Blood	23.629
Science Translational Medicine	17.992
PNAS	12.291
Journal of Clinical Investigation	14.808
Elife	8.14
Molecular Metabolism	7.422
JBC	5.157

Collaborator (* SLU faculty)	Contribution	Publication
Burris TP*, Flaveny, CA*	Bioinformatics analysis (ChIP-Seq, Gro-Seq)	Biochem Pharmacol. 2017 May 1;131:68-77. doi: 10.1016/j.bcp.2017.02.006
Burris TP*, Flaveny*, CA	Bioinformatics analysis (scRNA-Seq)	Mol Metab. 2017 May 19;6(7):703-714. doi: 10.1016/j.molmet.2017.05.001
Mulloy JC, Cincinnati Children's Hospital	Bioinformatics analysis (RNA-Seq, pathway analysis)	Blood. 2017 Sep 7;130(10):1213-1222. doi: 10.1182/blood-2016-11-750976
Butler AA*	Bioinformatics analysis (Gro-Seq)	Mol Metab. 2018 Feb;8:51-64. doi: 10.1016/j.molmet.2017.12.002
Butler AA*	Bioinformatics analysis (RNA-Seq, pathway analysis)	J Biol Chem. 2019 Jun 21;294(25):9706-9719. doi: 10.1074/jbc.RA119.007528
Butler AA*	Bioinformatics analysis (RNA-Seq, pathway analysis)	J Biol Chem. 2020 October 2;295(40):13753-13768. doi: 10.1074/jbc.RA120.014381
Butler AA*, Farr S*	Bioinformatics analysis (RNA-Seq, pathway analysis)	NPJ Aging Mech Dis. 2021 Aug 30;7(1):23. doi: 10.1038/s41514-021-00076-5
Butler AA*, Farr S*	Bioinformatics analysis (RNA-Seq, pathway analysis)	Peptides. 2021 Dec;146:170678. doi: 10.1016/j.peptides.2021.170678
Musiek ES, WUSTL	ChIP-Seq, ChIP-qPCR	Proc Natl Acad Sci U S A. 2019 Mar 12;116(11):5102-5107. doi: 10.1073/pnas.1812405116
Musiek ES, WUSTL	ChIP-Seq, ChIP-qPCR	Sci Transl Med. 2020 Dec 16;12(574):eaax3519. doi: 10.1126/scitranslmed.aax3519
Musiek ES, WUSTL	ChIP-Seq, ChIP-qPCR	Elife. 2020 Dec 1;9:e58765. doi: 10.7554/eLife.58765
Flaveny CA*, Burris TP*	ChIP-Seq, ChIP-qPCR	Sci Rep. 2019 Dec 20;9(1):19530. doi: 10.1038/s41598-019-56038-1
Salvemini D*, Samson, W*, Yosten G*	RNA-Seq and analysis	J Clin Invest. 2020 May 1;130(5):2587-2592. doi: 10.1172/JCI1133270
Ray RB*, Ray RJ*	Assisted ChIP-qPCR and mutation analysis	J Virol. 2021 Aug 10;95(17):e0095221. doi: 10.1128/JVI.00952-21
Ray RB*	Bioinformatics analysis (RNA-Seq, pathway analysis)	J Biol Chem. 2022 Apr 1:101895. doi: 10.1016/j.jbc.2022.101895
Chakraborty A*	Bioinformatics analysis (RNA-Seq, pathway analysis)	Mol Metab. 2021 Dec;54:101364. doi: 10.1016/j.molmet.2021.101364