

Stanford

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Bio

INSTITUTE AFFILIATIONS

- Member (Postdoc), Cardiovascular Institute

Publications

PUBLICATIONS

- Identification and quantification of small exon-containing isoforms in long-read RNA sequencing data. *Nucleic acids research*
Liu, Z., Zhu, C., Steinmetz, L. M., Wei, W.
2023
- Integrative omic profiling and analyses in two pig heart to human xenotransplants
Keating, B., Schmauch, E., Piening, B., Xia, B., Zhu, C., Chang, B., Khalil, K., Kim, J., Weldon, E., Pass, H., Ayares, D., Griesemer, A., Mangiola, et al
LIPPINCOTT WILLIAMS & WILKINS.2023: 137
- Advances and prospects for the Human BioMolecular Atlas Program (HuBMAP). *Nature cell biology*
Jain, S., Pei, L., Spraggins, J. M., Angelo, M., Carson, J. P., Gehlenborg, N., Ginty, F., Gonçalves, J. P., Hagood, J. S., Hickey, J. W., Kelleher, N. L., Laurent, L., C., Lin, et al
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- Organization of the human intestine at single-cell resolution. *Nature*
Hickey, J. W., Becker, W. R., Nevins, S. A., Horning, A., Perez, A. E., Zhu, C., Zhu, B., Wei, B., Chiu, R., Chen, D. C., Cotter, D. L., Esplin, E. D., Weimer, et al
2023; 619 (7970): 572-584
- Genotype Complements the Phenotype: Identification of the Pathogenicity of an LMNA Splice Variant by Nanopore Long-Read Sequencing in a Large DCM Family. *International journal of molecular sciences*
Sedaghat-Hamedani, F., Rebs, S., Kayvanpour, E., Zhu, C., Amr, A., Müller, M., Haas, J., Wu, J., Steinmetz, L. M., Ehlermann, P., Streckfuss-Bömeke, K., Frey, N., Meder, et al
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- Transcription Factor GATA4 Regulates Cell Type-Specific Splicing Through Direct Interaction With RNA in Human Induced Pluripotent Stem Cell-Derived Cardiac Progenitors. *Circulation*
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2022: CIRCULATIONAHA121057620
- Single-molecule, full-length transcript isoform sequencing reveals disease-associated RNA isoforms in cardiomyocytes. *Nature communications*
Zhu, C., Wu, J., Sun, H., Briganti, F., Meder, B., Wei, W., Steinmetz, L. M.
2021; 12 (1): 4203
- iPSC Modeling of RBM20-Deficient DCM Identifies Upregulation of RBM20 as a Therapeutic Strategy. *Cell reports*
Briganti, F. n., Sun, H. n., Wei, W. n., Wu, J. n., Zhu, C. n., Liss, M. n., Karakikes, I. n., Rego, S. n., Cipriano, A. n., Snyder, M. n., Meder, B. n., Xu, Z. n., Millat, et al
2020; 32 (10): 108117
- NAD(P)HX repair deficiency causes central metabolic perturbations in yeast and human cells *FEBS JOURNAL*
Becker-Kettner, J., Paczia, N., Conrotte, J., Zhu, C., Fiehn, O., Jung, P. P., Steinmetz, L. M., Linster, C. L.
2018; 285 (18): 3376–3401

● **Modulation of mRNA and lncRNA expression dynamics by the Set2-Rpd3S pathway** *NATURE COMMUNICATIONS*

Kim, J. H., Lee, B. B., Oh, Y. M., Zhu, C., Steinmetz, L. M., Lee, Y., Kim, W. K., Lee, S. B., Buratowski, S., Kim, T.
2016; 7

● **Chromatin Dynamics and the RNA Exosome Function in Concert to Regulate Transcriptional Homeostasis** *CELL REPORTS*

Rege, M., Subramanian, V., Zhu, C., Hsieh, T. S., Weiner, A., Friedman, N., Clauder-Muenster, S., Steinmetz, L. M., Rando, O. J., Boyer, L. A., Peterson, C. L.
2015; 13 (8): 1610-1622

● **Roadblock Termination by Reb1p Restricts Cryptic and Readthrough Transcription** *MOLECULAR CELL*

Colin, J., Candelli, T., Porrua, O., Boulay, J., Zhu, C., Lacroute, F., Steinmetz, L. M., Libri, D.
2014; 56 (5): 667-680

● **Yeast Growth Plasticity Is Regulated by Environment-Specific Multi-QTL Interactions** *G3-GENES GENOMES GENETICS*

Bhatia, A., Yadav, A., Zhu, C., Gagneur, J., Radhakrishnan, A., Steinmetz, L. M., Bhanot, G., Sinha, H.
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● **Genotype-environment interactions reveal causal pathways that mediate genetic effects on phenotype.** *PLoS genetics*

Gagneur, J., Stegle, O., Zhu, C., Jakob, P., Tekkedil, M. M., Aiyar, R. S., Schuon, A., Pe'er, D., Steinmetz, L. M.
2013; 9 (9)