

Sivakamasundari V

Basic Life Res Scientist, Stem Cell Bio Regenerative Med Institute

Publications

PUBLICATIONS

- **Isolation and 3D expansion of multipotent Sox9+ mouse lung progenitors.** *Nature methods*
Nichane, M., Javed, A., Sivakamasundari, V., Ganesan, M., Ang, L. T., Kraus, P., Lufkin, T., Loh, K. M., Lim, B.
2017; 14 (12): 1205–12
- **Comprehensive Cell Type Specific Transcriptomics of the Human Kidney** *bioRxiv*
V, S., Bolisetty, M., Sivajothi, S., Bessonett, S., Ruan, D., Robson, P.
2017
- **Identification of cDC1- and cDC2-committed DC progenitors reveals early lineage priming at the common DC progenitor stage in the bone marrow.** *Nature immunology*
Schlitzer, A., Sivakamasundari, V., Chen, J., Sumatoh, H. R., Schreuder, J., Lum, J., Malleret, B., Zhang, S., Larbi, A., Zolezzi, F., Renia, L., Poidinger, M., Naik, et al
2015; 16 (7): 718–28
- **Klhl14 Antisense RNA is a Target of Key Skeletogenic Transcription Factors in the Developing Intervertebral Disc.** *Spine*
Kraus, P., Sivakamasundari, V., Olsen, V., Villeneuve, V., Hinds, A., Lufkin, T.
2019; 44 (5): E260–E268
- **Regulatory Functions of Pax1 and Pax9 in Mammalian Cells** *Gene Expression and Regulation in Mammalian Cells-Transcription Toward the Establishment of Novel Therapeutics*
V, S., Kraus, P., Lufkin, T.
InTechOpen.2018; 1: 181–207
- **Single-cell transcriptomes identify human islet cell signatures and reveal cell-type-specific expression changes in type 2 diabetes.** *Genome research*
Lawlor, N., George, J., Bolisetty, M., Kursawe, R., Sun, L., Sivakamasundari, V., Kycia, I., Robson, P., Stitzel, M. L.
2017; 27 (2): 208–22
- **An Integrative Developmental Genomics and Systems Biology Approach to Identify an In Vivo Sox Trio-Mediated Gene Regulatory Network in Murine Embryos.** *BioMed research international*
Lee, W. J., Chatterjee, S., Yap, S. P., Lim, S. L., Xing, X., Kraus, P., Sun, W., Hu, X., Sivakamasundari, V., Chan, H. Y., Kolatkar, P. R., Prabhakar, S., Lufkin, et al
2017; 2017: 8932583
- **A developmental transcriptomic analysis of Pax1 and Pax9 in embryonic intervertebral disc development.** *Biology open*
Sivakamasundari, V., Kraus, P., Sun, W., Hu, X., Lim, S. L., Prabhakar, S., Lufkin, T.
2017; 6 (2): 187–99
- **Genome wide binding (ChIP-Seq) of murine Bapx1 and Sox9 proteins in vivo and in vitro.** *Genomics data*
Chatterjee, S., Kraus, P., Sivakamasundari, V., Yap, S. P., Kumar, V., Prabhakar, S., Lufkin, T.
2016; 10: 51–53
- **Gene expression profiles of Bapx1 expressing FACS sorted cells from wildtype and Bapx1-EGFP null mouse embryos.** *Genomics data*
Chatterjee, S., Sivakamasundari, V., Kraus, P., Yap, S. P., Kumar, V., Prabhakar, S., Lufkin, T.
2015; 5: 103–5
- **Pleiotropic functions for transcription factor zscan10.** *PLoS one*

- Kraus, P., V, S., Yu, H. B., Xing, X., Lim, S. L., Adler, T., Pimentel, J. A., Becker, L., Bohla, A., Garrett, L., Hans, W., Hölder, S. M., Janas, et al
2014; 9 (8): e104568
- **In vivo genome-wide analysis of multiple tissues identifies gene regulatory networks, novel functions and downstream regulatory genes for Bapx1 and its co-regulation with Sox9 in the mammalian vertebral column.** *BMC genomics*
Chatterjee, S., Sivakamasundari, V., Yap, S. P., Kraus, P., Kumar, V., Xing, X., Lim, S. L., Sng, J., Prabhakar, S., Lufkin, T.
2014; 15: 1072
 - **Generating mouse lines for lineage tracing and knockout studies.** *Methods in molecular biology (Clifton, N.J.)*
Kraus, P., Sivakamasundari, V., Xing, X., Lufkin, T.
2014; 1194: 37–62
 - **Making sense of Dlx1 antisense RNA.** *Developmental biology*
Kraus, P., Sivakamasundari, V., Lim, S. L., Xing, X., Lipovich, L., Lufkin, T.
2013; 376 (2): 224–35
 - **Pax1(EGFP): new wildtype and mutant EGFP mouse lines for molecular and fate mapping studies.** *Genesis (New York, N.Y. : 2000)*
Sivakamasundari, V., Kraus, P., Jie, S., Lufkin, T.
2013; 51 (6): 420–29
 - **Stemming the Degeneration: IVD Stem Cells and Stem Cell Regenerative Therapy for Degenerative Disc Disease.** *Advances in stem cells*
Sivakamasundari, V., Lufkin, T.
2013; 2013
 - **A conditional mouse line for lineage tracing of Sox9 loss-of-function cells using enhanced green fluorescent protein.** *Biotechnology letters*
Chatterjee, S., Kraus, P., Sivakamasundari, V., Xing, X., Yap, S. P., Jie, S., Lufkin, T.
2013; 35 (12): 1991–96
 - **Bridging the Gap: Understanding Embryonic Intervertebral Disc Development.** *Cell & developmental biology*
Sivakamasundari, V., Lufkin, T.
2012; 1 (2)
 - **New Bapx1(Cre-EGFP) mouse lines for lineage tracing and conditional knockout studies.** *Genesis (New York, N.Y. : 2000)*
Sivakamasundari, V., Chan, H. Y., Yap, S. P., Xing, X., Kraus, P., Lufkin, T.
2012; 50 (4): 375–83
 - **Mouse strain specific gene expression differences for illumina microarray expression profiling in embryos.** *BMC research notes*
Kraus, P., Xing, X., Lim, S. L., Fun, M. E., Sivakamasundari, V., Yap, S. P., Lee, H., Karuturi, R. K., Lufkin, T.
2012; 5: 232
 - **Making no bones about it: Transcription factors in vertebrate skeletogenesis and disease.** *Trends in developmental biology*
Chatterjee, S., Sivakamasundari, V., Lee, W. J., Chan, H. Y., Lufkin, T.
2012; 6: 45–52
 - **Comparison of IRES and F2A-based locus-specific multicistronic expression in stable mouse lines.** *PloS one*
Chan, H. Y., V, S., Xing, X., Kraus, P., Yap, S. P., Ng, P., Lim, S. L., Lufkin, T.
2011; 6 (12): e28885
 - **Generation of mice with a novel conditional null allele of the Sox9 gene.** *Biotechnology letters*
Yap, S. P., Xing, X., Kraus, P., Sivakamasundari, V., Chan, H. Y., Lufkin, T.
2011; 33 (8): 1551–58
 - **Nuclear accumulation of an uncapped RNA produced by Drosha cleavage of a transcript encoding miR-10b and HOXD4.** *PloS one*
Phua, S. L., Sivakamasundari, V., Shao, Y., Cai, X., Zhang, L. F., Lufkin, T., Featherstone, M.
2011; 6 (10): e25689