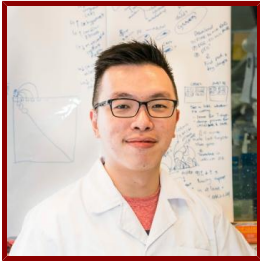


Stanford



Lek Wen Tan

Postdoctoral Research Fellow, Cardiovascular Institute

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, National University Of Singapore (2020)
- Bachelor of Science, National University Of Singapore (2013)
- PhD, Yong Loo Lin School of Medicine, National University of Singapore , Cardiac Epigenomics (2020)

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

LINKS

- Twitter: <https://twitter.com/lekwen90>

Publications

PUBLICATIONS

- **Assigning Distal Genomic Enhancers to Cardiac Disease-Causing Genes** *CIRCULATION*
Anene-Nzelu, C., Tan, W., Lee, C., Wenhao, Z., Perrin, A., Dashi, A., Tiang, Z., Autio, M., Lim, B., Wong, E., Tan, H., Pan, B., Morley, et al
2020; 142 (9): 910–12
- **Epigenomes of Human Hearts Reveal New Genetic Variants Relevant for Cardiac Disease and Phenotype** *CIRCULATION RESEARCH*
Tan, W., Anene-Nzelu, C., Wong, E., Lee, C., Tan, H., Tang, S., Perrin, A., Wu, K., Zheng, W., Ashburn, R., Pan, B., Lee, M., Autio, et al
2020; 127 (6): 761–77
- **A calcineurin-Hoxb13 axis regulates growth mode of mammalian cardiomyocytes** *NATURE*
Nguyen, N., Canseco, D. C., Xiao, F., Nakada, Y., Li, S., Lam, N. T., Muralidhar, S. A., Savla, J. J., Hill, J. A., Le, V., Zidan, K. A., El-Feky, H. W., Wang, et al
2020
- **Mitochondrial substrate utilization regulates cardiomyocyte cell-cycle progression** *NATURE METABOLISM*
Cardoso, A. C., Lam, N. T., Savla, J. J., Nakada, Y., Pereira, A. M., Elnwasany, A., Menendez-Montes, I., Ensley, E. L., Petric, U., Sharma, G., Sherry, A., Malloy, C. R., Khemtong, et al
2020; 2 (2): 167–+
- **Adipose circular RNAs exhibit dynamic regulation in obesity and functional role in adipogenesis** *NATURE METABOLISM*
Arcinas, C., Tan, W., Fang, W., Desai, T. P., Teh, D., Degirmenci, U., Xu, D., Foo, R., Sun, L.
2019; 1 (7): 688–703
- **Robust CTCF-Based Chromatin Architecture Underpins Epigenetic Changes in the Heart Failure Stress-Gene Response** *CIRCULATION*
Lee, D., Tan, W., Anene-Nzelu, C., Lee, C., Li, P., Tuan Danh Anh Luu, Chan, C., Tiang, Z., Ng, S., Huang, X., Efthymios, M., Autio, M., Jiang, J., et al
2019; 139 (16): 1937–56

- **Single cardiomyocyte nuclear transcriptomes reveal a lincRNA-regulated de-differentiation and cell cycle stress-response in vivo** *NATURE COMMUNICATIONS*
See, K., Tan, W. W., Lim, E., Tiang, Z., Lee, L., Li, P. Q., Luu, T. A., Ackers-Johnson, M., Foo, R. S.
2017; 8: 225
- **A landscape of circular RNA expression in the human heart** *CARDIOVASCULAR RESEARCH*
Tan, W. W., Lim, B. S., Anene-Nzelu, C. O., Ackers-Johnson, M., Dashi, A., See, K., Tiang, Z., Lee, D., Chua, W., Luu, T. A., Li, P. Q., Richards, A., Foo, et al
2017; 113 (3): 298–309
- **An Important Role for DNMT3A-Mediated DNA Methylation in Cardiomyocyte Metabolism and Contractility (vol 142, pg 1562, 2020)** *CIRCULATION*
Madsen, A., Hoppner, G., Krause, J., Hirt, M. N., Laufer, S. D., Schweizer, M., Tan, W., Mosqueira, D., Anene-Nzelu, C., Lim, I., Foo, R. Y., Hansen, A., Eschenhagen, et al
2021; 143 (15): E830
- **Conversion of the death inhibitor ARC to a killer activates pancreatic β cell death in diabetes.** *Developmental cell*
McKimpson, W. M., Chen, Y. n., Irving, J. A., Zheng, M. n., Weinberger, J. n., Tan, W. L., Tiang, Z. n., Jagger, A. M., Chua, S. C., Pessin, J. E., Foo, R. S., Lomas, D. A., Kitsis, et al
2021; 56 (6): 747–60.e6
- **Mechanism of Eccentric Cardiomyocyte Hypertrophy Secondary to Severe Mitral Regurgitation** *CIRCULATION*
Li, S., Ngoc Uyen Nhi Nguyen, Xiao, F., Menendez-Montes, I., Nakada, Y., Tan, W., Anene-Nzelu, C., Foo, R. S., Thet, S., Cardoso, A., Wang, P., Elhelaly, W. M., Lam, N. T., et al
2020; 141 (22): 1787–99
- **Extracellular vesicles from human embryonic stem cell-derived cardiovascular progenitor cells promote cardiac infarct healing through reducing cardiomyocyte death and promoting angiogenesis** *CELL DEATH & DISEASE*
Wu, Q., Wang, J., Tan, W., Jiang, Y., Wang, S., Li, Q., Yu, X., Tan, J., Liu, S., Zhang, P., Tiang, Z., Chen, Z., Foo, et al
2020; 11 (5): 354
- **Persistent changes in liver methylation and microbiome composition following reversal of diet-induced non-alcoholic-fatty liver disease** *CELLULAR AND MOLECULAR LIFE SCIENCES*
Kim, H., Worsley, O., Yang, E., Purbojati, R., Liang, A., Tan, W., Moses, D., Hartono, S., Fan, V., Lim, T., Schuster, S. C., Foo, R. Y., Chow, et al
2019; 76 (21): 4341–54
- **Yin Yang 1 Suppresses Dilated Cardiomyopathy and Cardiac Fibrosis Through Regulation of Bmp7 and Ctgf** *CIRCULATION RESEARCH*
Tan, C., Wong, J., Chan, P., Tan, H., Liao, D., Chen, W., Tan, L., Ackers-Johnson, M., Wakimoto, H., Seidman, J. G., Seidman, C. E., Lunde, I., Zhu, et al
2019; 125 (9): 834–46
- **Following hearts, one cell at a time: recent applications of single-cell RNA sequencing to the understanding of heart disease** *NATURE COMMUNICATIONS*
Ackers-Johnson, M., Tan, W., Foo, R.
2018; 9: 4434
- **A Transcriptomic and Epigenomic Comparison of Fetal and Adult Human Cardiac Fibroblasts Reveals Novel Key Transcription Factors in Adult Cardiac Fibroblasts.** *JACC. Basic to translational science*
Jonsson, M. K., Hartman, R. J., Ackers-Johnson, M. n., Tan, W. L., Lim, B. n., van Veen, T. A., Foo, R. S.
2016; 1 (7): 590–602
- **Incidentalome from Genomic Sequencing: A Barrier to Personalized Medicine?** *EBioMedicine*
Jamuar, S. S., Kuan, J. L., Brett, M. n., Tiang, Z. n., Tan, W. L., Lim, J. Y., Liew, W. K., Javed, A. n., Liew, W. K., Law, H. Y., Tan, E. S., Lai, A. n., Ng, et al
2016; 5: 211–16
- **Tricho-hepato-enteric syndrome (THE-S): two cases and review of the literature** *EUROPEAN JOURNAL OF PEDIATRICS*
Chong, J., Jamuar, S., Ong, C., Thoon, K., Tan, E., Lai, A., Aan, M., Tan, W., Foo, R., Tan, E., Lau, Y., Liew, W.
2015; 174 (10): 1405–11