

Stanford



Francisco Galdos

- MD Student, expected graduation Spring 2024
- Ph.D. Student in Stem Cell Biology and Regenerative Medicine, admitted Summer 2017
- MSTP Student

Bio

INSTITUTE AFFILIATIONS

- Member (Student), Cardiovascular Institute

EDUCATION AND CERTIFICATIONS

- Doctor of Philosophy, Stanford University , STMRM-PHD (2022)
- Bachelor of Arts, Harvard University , Human Dev. & Regenerative Bio. (2015)

Research & Scholarship

LAB AFFILIATIONS

- Sean Wu (3/1/2015)

Publications

PUBLICATIONS

- **Combined lineage tracing and scRNA-seq reveals unexpected first heart field predominance of human iPSC differentiation.** *eLife*
Galdos, F. X., Lee, C., Lee, S., Paige, S., Goodyer, W., Xu, S., Samad, T., Escobar, G. V., Darsha, A., Beck, A., Bak, R. O., Porteus, M. H., Wu, et al
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- **The Role of Single-Cell Profiling and Deep Immunophenotyping in Understanding Immune Therapy Cardiotoxicity.** *JACC. CardioOncology*
Huang, Y. V., Waliandy, S., Lee, D., Galdos, F. X., Witteles, R. M., Neal, J. W., Fan, A. C., Maecker, H. T., Nguyen, P. K., Wu, S. M., Zhu, H.
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- **devCellPy is a machine learning-enabled pipeline for automated annotation of complex multilayered single-cell transcriptomic data.** *Nature communications*
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2022; 13 (1): 5271
- **In vivo visualization and molecular targeting of the cardiac conduction system.** *The Journal of clinical investigation*
Goodyer, W. R., Beyersdorf, B. M., Duan, L., van den Berg, N. S., Mantri, S., Galdos, F. X., Puluca, N., Buikema, J. W., Lee, S., Salmi, D., Robinson, E. R., Rogalla, S., Cogan, et al
2022
- **Identification of Pathogenic Immune Cell Subsets Associated With Checkpoint Inhibitor-Induced Myocarditis.** *Circulation*
Zhu, H., Galdos, F. X., Lee, D., Waliandy, S., Vivian Huang, Y., Ryan, J., Dang, K., Neal, J. W., Wakelee, H. A., Reddy, S. A., Srinivas, S., Lin, L. L., Witteles, et al
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- **The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans.** *Science (New York, N.Y.)*

- Jones, R. C., Karkaniyas, J., Krasnow, M. A., Pisco, A. O., Quake, S. R., Salzman, J., Yosef, N., Bulthaupt, B., Brown, P., Harper, W., Hemenez, M., Ponnusamy, R., Salehi, et al
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- **Publisher Correction: Cell types of origin of the cell-free transcriptome.** *Nature biotechnology*
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 - **Cell types of origin of the cell-free transcriptome.** *Nature biotechnology*
Vorperian, S. K., Moufarrej, M. N., Tabula Sapiens Consortium, Quake, S. R., Jones, R. C., Karkaniyas, J., Krasnow, M., Pisco, A. O., Quake, S. R., Salzman, J., Yosef, N., Bulthaupt, B., Brown, P., et al
2022
 - **The Role of Single-Cell Profiling and Deep Immunophenotyping in Understanding Immune Therapy Cardiotoxicity** *JACC: CardioOncology*
Huang, Y. V., Waliyany, S., Lee, D., Galdos, F. X., Witteles, R. M., Neal, J. W., Fan, A. C., Maecker, H. T., Nguyen, P. K., Wu, S. M., Zhu, H.
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 - **RNA splicing programs define tissue compartments and cell types at single-cell resolution** *ELIFE*
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 - **CRISPR/Cas9-based targeting of fluorescent reporters to human iPSCs to isolate atrial and ventricular-specific cardiomyocytes.** *Scientific reports*
Chirikian, O., Goodyer, W. R., Dzilic, E., Serpooshan, V., Buikema, J. W., McKeithan, W., Wu, H., Li, G., Lee, S., Merk, M., Galdos, F., Beck, A., Ribeiro, et al
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 - **Purification of Pluripotent Stem Cell-Derived Cardiomyocytes Using CRISPR/Cas9-Mediated Integration of Fluorescent Reporters.** *Methods in molecular biology (Clifton, N.J.)*
Galdos, F. X., Darsha, A. K., Paige, S. L., Wu, S. M.
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 - **Patient-Specific Induced Pluripotent Stem Cells Implicate Intrinsic Impaired Contractility in Hypoplastic Left Heart Syndrome.** *Circulation*
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2020; 142 (16): 1605–8
 - **Intrinsic Endocardial Defects Contribute to Hypoplastic Left Heart Syndrome.** *Cell stem cell*
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2020
 - **Immune Profiling and Causal Antigen Discovery in Mouse and Human Models of Immune Checkpoint Inhibitor-induced Myocarditis**
Zhu, H., Lee, D., Sarah, W., Galdos, F. X., D'Addabbo, J., Fowler, M. B., Reddy, S., Heather, W., Neal, J. W., Witteles, R., Maecker, H. T., Davis, M., Nguyen, et al
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 - **Wnt Activation and Reduced Cell-Cell Contact Synergistically Induce Massive Expansion of Functional Human iPSC-Derived Cardiomyocytes.** *Cell stem cell*
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 - **Levitating Cells to Sort the Fit and the Fat.** *Advanced biosystems*
Pulca, N. n., Durmus, N. G., Lee, S. n., Belbachir, N. n., Galdos, F. X., Ogut, M. G., Gupta, R. n., Hirano, K. I., Krane, M. n., Lange, R. n., Wu, J. C., Wu, S. M., Demirci, et al
2020: e1900300
 - **Single-Cell Delineation of Who's on First and Second Heart Fields During Development** *CIRCULATION RESEARCH*
Galdos, F. X., Wu, S. M.
2019; 125 (4): 411–13
 - **Single-Cell Delineation of Who's on First and Second Heart Fields During Development.** *Circulation research*
Galdos, F. X., Wu, S. M.

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● **Apolipoprotein E is a pancreatic extracellular factor that maintains mature β -cell gene expression.** *PloS one*

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● **Cardiac Regeneration Lessons From Development** *CIRCULATION RESEARCH*

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