Stanford

David Staudt

Instructor, Pediatrics - Cardiology

CLINICAL OFFICE (PRIMARY)

- **Pediatric Cardiology**

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Bio

CLINICAL FOCUS

- Pediatric Cardiology

ACADEMIC APPOINTMENTS

- Instructor, Pediatrics - Cardiology
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2022)
- Residency: Stanford Health Care at Lucile Packard Children's Hospital (2017) CA
- Fellowship: Stanford School of Medicine (2021) CA
- Board Certification: Pediatrics, American Board of Pediatrics (2018)
- Medical Education: University of California at San Francisco School of Medicine (2015) CA

Publications

PUBLICATIONS

- **Comparing the Efficacy of Myosin Inhibition Versus Thin Filament Calcium Desensitization for Treatment of Pediatric Restrictive Cardiomyopathy Using a Patient-Derived hiPSC Model.** *Circulation. Genomic and precision medicine*
  Staudt, D. W., Serrano, R., Hnatiuk, A. P., Sanchez, I., Carhuamaca, X., Feyen, D. A., Mercola, M.
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- **Empagliflozin Improves Cardiomyocyte Function in Phospholamban-R14del Cardiomyopathy by Regulating Calcium/Calmodulin-Stimulated Protein Kinase II Activity and Apoptosis.** *Journal of the American Heart Association*
  Hnatiuk, A. P., Li, A. W., Vecci, B. E., Staudt, D. W., Serrano, R., Gao, X., Tran, P. P., Mercola, M.
  2025: e042432

- **Scaled multidimensional assays of variant effect identify sequence-function relationships in hypertrophic cardiomyopathy.** *bioRxiv : the preprint server for biology*

Yamamoto, Y., Chua, K., Ferrasse, A., Kirilova, A., De Jong, H. N., Floyd, B. J., Cadisch, C., Wiel, L., Wang, Q., O'Neill, M. J., Tabet, D., Staudt, D., Goryznski, et al
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- **Human iPSC modeling of heart disease for drug development.** *Cell chemical biology*
  Hnatiuk, A. P., Briganti, F. n., Staudt, D. W., Mercola, M. n.
  2021; 28 (3): 271–82

- **In Vivo Visualization of Cardiomyocyte Apicobasal Polarity Reveals Epithelial to Mesenchymal-like Transition during Cardiac Trabeculation** *CELL REPORTS*
  Jimenez-Amilburu, V., Rasouli, S. J., Staudt, D. W., Nakajima, H., Chiba, A., Mochizuki, N., Stainier, D. Y.
  2016; 17 (10): 2687-2699

- **High-resolution imaging of cardiomyocyte behavior reveals two distinct steps in ventricular trabeculation** *DEVELOPMENT*
  Staudt, D. W., Liu, J., Thorn, K. S., Stuurman, N., Liebling, M., Stainier, D. Y. R.
  2014; 141 (3): 585–93

- **Uncovering the Molecular and Cellular Mechanisms of Heart Development Using the Zebrafish** *ANNUAL REVIEW OF GENETICS, VOL 46*
  Staudt, D., Stainier, D.
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  2012; 46: 397–418

- **A dual role for ErbB2 signaling in cardiac trabeculation** *DEVELOPMENT*
  Liu, J., Bressan, M., Hassel, D., Huisken, J., Staudt, D., Kikuchi, K., Poss, K. D., Mikawa, T., Stainier, D. Y. R.
  2010; 137 (22): 3867–75

- **Competitive control of independent programs of tumor necrosis factor receptor-induced cell death by TRADD and RIP1** *MOLECULAR AND CELLULAR BIOLOGY*
  Zheng, L. X., Bidere, N., Staudt, D., Cubre, A., Orenstein, J., Chan, F. K., Lenardo, M.
  2006; 26 (9): 3505–13

- **Histone H2AX phosphorylation is dispensable for the initial recognition of DNA breaks** *NATURE CELL BIOLOGY*
  Celeste, A., Fernandez-Capetillo, O., Kruhlak, M. J., Pilch, D. R., Staudt, D. W., Lee, A., Bonner, R. F., Bonner, W. M., Nussenzweig, A.
  2003; 5 (7): 675–U51