



## Tahmina Samad, M.D.

- Clinical Scholar, Pediatrics - Cardiology
- Postdoctoral Scholar, Cardiovascular Institute

### CLINICAL OFFICE (PRIMARY)

- **Pediatric Cardiology Admin Office**

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### Bio

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#### CLINICAL FOCUS

- Pediatric Critical Care Medicine

#### ACADEMIC APPOINTMENTS

- Clinical Scholar, Pediatrics - Cardiology
- Member, Maternal & Child Health Research Institute (MCHRI)

#### HONORS AND AWARDS

- CIRM Scholar Translational Stem Cell Research Award, California Institute for Regenerative Medicine (2024-2026)
- Chan Zuckerberg Biohub Physician-Scientist Fellow, Chan Zuckerberg Biohub - San Francisco (2022-2024)
- Sarnoff Cardiovascular Research Fellow, Columbia University College of Physicians & Surgeons (2011-2012)

#### PROFESSIONAL EDUCATION

- Medical Education: Oregon Health and Sciences University School of Medicine (2014) OR
- Postdoctoral Medical Scholar, Stanford University Medical Center - Clinical and Translational Research Program , Clinical and Translational Research in Pediatric Cardiology (2021)
- Fellowship, Columbia University Medical Center - Morgan Stanley Children's Hospital , Pediatric Cardiology (2020)
- Residency, Loma Linda University Children's Hospital , Pediatrics (2017)
- Doctor of Medicine, Oregon Health & Science University , Medicine (2014)
- Bachelor of Arts, Stanford University , Human Biology (2007)

#### STANFORD ADVISORS

- Sean Wu, Postdoctoral Faculty Sponsor

## Publications

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### PUBLICATIONS

- **Cardiac Development at a Single-Cell Resolution.** *Advances in experimental medicine and biology*  
Wei, N., Lee, C., Duan, L., Galdos, F. X., Samad, T., Raissadati, A., Goodyer, W. R., Wu, S. M.  
2024; 1441: 253-268
- **The cardiac conduction system: History, development, and disease.** *Current topics in developmental biology*  
Lee, C., Xu, S., Samad, T., Goodyer, W. R., Raissadati, A., Heinrich, P., Wu, S. M.  
2024; 156: 157-200
- **The sum of the parts is greater than the whole: current research models for congenital heart disease.** *Nature cardiovascular research*  
Samad, T., Wu, S. M.  
2023; 2 (8): 708-710
- **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  
2023; 12
- **Single cell RNA sequencing approaches to cardiac development and congenital heart disease.** *Seminars in cell & developmental biology*  
Samad, T., Wu, S. M.  
2021
- **The PDZ motif of the  $\alpha 1C$  subunit is not required for surface trafficking and adrenergic modulation of CaV1.2 channel in the heart.** *The Journal of biological chemistry*  
Yang, L., Katchman, A., Weinberg, R. L., Abrams, J., Samad, T., Wan, E., Pitt, G. S., Marx, S. O.  
2015; 290 (4): 2166-74
- **$\beta$ -adrenergic regulation of the L-type Ca<sup>2+</sup> channel does not require phosphorylation of  $\alpha 1C$  Ser1700.** *Circulation research*  
Yang, L., Katchman, A., Samad, T., Morrow, J., Weinberg, R., Marx, S. O.  
2013; 113 (7): 871-80
- **Stem cell antigen-1 in skeletal muscle function.** *PLoS currents*  
Bernstein, H. S., Samad, T., Cholsiripunlert, S., Khalifian, S., Gong, W., Ritner, C., Aurigui, J., Ling, V., Wilschut, K. J., Bennett, S., Hoffman, J., Oishi, P.  
2013; 5