

# Stanford

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## Marco Mathias

Masters Student in Bioengineering, admitted Autumn 2025

### Bio

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#### EDUCATION AND CERTIFICATIONS

- Bachelor of Science, University of California Los Angeles , Neuroscience (2023)
- MS, Stanford , BioEngineering (2026)
- BS, University of California, Los Angeles , Neuroscience (2023)

#### LINKS

- LinkedIn: <https://www.linkedin.com/in/marco-mathias-0b5418193/>

### Professional

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#### WORK EXPERIENCE

- Clinical Research Associate - Cedars-Sinai (October 15, 2023 - October 15, 2025)

### Publications

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#### PUBLICATIONS

- **DYNAMIC RISK TRAJECTORIES FOR SUDDEN CARDIAC ARREST: THE ROLE OF RECURRENT CARDIOVASCULAR EVENTS** *Heart Rhythm*  
Pope, M., Chugh, H., Truyen, T., Mathias, M., Evanado, A., Lin, H., Atar, D., Bosson, N., Reinier, K., Benjamin, E. J., Chugh, S. S.  
2026
- **Dynamic Risk Trajectories for Sudden Cardiac Arrest: The Role of Recurrent Cardiovascular Events.** *medRxiv : the preprint server for health sciences*  
Pope, M. K., Chugh, H., Truyen, T. T., Mathias, M., Uy-Evanado, A., Lin, H., Atar, D., Bosson, N., Reinier, K., Benjamin, E. J., Chugh, S. S.  
2025
- **Validation of a Novel Risk Prediction Score for Sudden Cardiac Death in the Framingham Heart Study.** *Circulation. Arrhythmia and electrophysiology*  
Truyen, T. T., Lin, H., Mathias, M., Chugh, H., Reinier, K., Benjamin, E. J., Chugh, S. S.  
2025; 18 (6): e013647
- **Prediction of Imminent Sudden Cardiac Arrest Using a Combination of Warning Symptoms and Clinical Features.** *medRxiv : the preprint server for health sciences*  
Reinier, K., Chugh, H., Sargsyan, A., Uy-Evanado, A., Nakamura, K., Heckard, E., Mathias, M., Grogan, T., Elashoff, D., Salvucci, A., Jui, J., Chugh, S. S.  
2025
- **Observational study of sudden cardiac arrest risk (OSCAR): Rationale and design of an electronic health records cohort.** *International journal of cardiology. Heart & vasculature*

Reinier, K., Chugh, H. S., Uy-Evanado, A., Heckard, E., Mathias, M., Bosson, N., Calsavara, V. F., Slomka, P. J., Elashoff, D. A., Bui, A. A., Chugh, S. S.

2025; 56: 101614

- **Genetic Causes of Sudden Cardiac Arrest in the Community.** *medRxiv : the preprint server for health sciences*

Kransdorf, E. P., Mathias, M., Nakamura, K., Tyrer, J., Pharaoh, P. D., Chugh, H., Reinier, K., Akdemir, Z., Boerwinkle, E., Yu, B., Chugh, S. S.

2024

- **A Risk Prediction Score for Shockable Sudden Cardiac Arrest: Validation in the Framingham Heart Study**

Tri, T., Tai Truyen, Lin, H., Mathias, M., Chugh, H., Reinier, K., Benjamin, E., Chugh, S.

LIPPINCOTT WILLIAMS & WILKINS.2024

- **CHARACTERIZATION OF BYSTANDERS PRESENT DURING SUDDEN CARDIAC ARRESTS USING ARTIFICIAL INTELLIGENCE TOOLS: A COMMUNITY-BASED STUDY OF 1018 EVENTS** *Heart Rhythm*

Panahiazar, M., Chugh, H., Mathias, M., Heckard, E., Sargsyan, A., Haddock, K., Salvucci, A., Jui, J., Reinier, K., Chugh, S. S.

2024