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Prerna Giri

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CONTACT INFORMATION

- **Alternate Contact**

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Bio

INSTITUTE AFFILIATIONS

- Member (Postdoc), Cardiovascular Institute

HONORS AND AWARDS

- AHA Postdoctoral Fellowship, American Heart Association (January 2024-December 2025)
- MCHRI Postdoctoral Support Grant, Stanford University (Fall 2024)

STANFORD ADVISORS

- Daniel Bernstein, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Daniel Bernstein, Bernstein Lab (2/1/2023)

Publications

PUBLICATIONS

- **Cryo-Electron Tomography Reveals Nanoscale Thick Filament Disorganization in MYH7 P710R Hypertrophic Cardiomyopathy Cardiomyocytes.** *ACS nano*
  Zaoralová, M., Yoniles, J., Giri, P., Held, R. G., Vander Roest, A., Dahlberg, P. D., Bernstein, D., Dunn, A. R., Engel, L.
  2026; 20 (34): 23748-23755

- **Cryo-Electron TomographyReveals Nanoscale Thick FilamentDisorganization in MYH7 P710R Hypertrophic Cardiomyopathy Cardiomyocytes** *ACS NANO*
  Zaoralova, M., Yoniles, J., Giri, P., Held, R. G., Vander Roest, A., Dahlberg, P. D., Bernstein, D., Dunn, A. R., Engel, L.
  2026

- **Mechanisms of mechanosensing by MLP and α-actinin-2 in cardiac hypertrophy**
  Bhat, A., Vera, C., Marang, C., Giri, P., Bernstein, D., Dunn, A.
  CELL PRESS.2026: 327a

- **Getting to the heart of hypertrophic cardiomyopathy with cryogenic electron tomography**
  Yoniles, J., Zaoralova, M., Fajardo, G., Giri, P., Engel, L., Bernstein, D., Dunn, A. R., Dahlberg, P. D.

CELL PRESS.2026: 9a

- **Cryo-electron tomography reveals the structural diversity of cardiac proteins in their cellular context.** *bioRxiv : the preprint server for biology*
  Woldeyes, R. A., Nishiga, M., Vander Roest, A. S., Engel, L., Giri, P., Montenegro, G. C., Wu, A. C., Dunn, A. R., Spudich, J. A., Bernstein, D., Schmid, M. F., Wu, J. C., Chiu, et al
  2023

- **The Z-disc: Mechanosensor at the interface between myosin biomechanics and hypertrophic signaling**
  Giri, P., Roest, A., Lee, S., Heinrich, P., Dunn, A. R., Wu, S., Bernstein, D.
  CELL PRESS.2023: 404A

- **The Z-disc: Mechanosensor at the interface between myosin biomechanics and hypertrophic signaling.** *Biophysical journal*
  Giri, P., Vander Roest, A. S., Lee, S., Heinrich, P., Dunn, A. R., Wu, S., Bernstein, D.
  2023; 122 (3S1): 404a