

## Christopher Marang

Postdoctoral Scholar, Chemical Engineering

### Bio

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#### HONORS AND AWARDS

- Research Fellow, The Helen Hay Whitney Foundation (2025-2028)

#### STANFORD ADVISORS

- Alexander Dunn, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Mechanisms of mechanosensing by MLP and  $\alpha$ -actinin-2 in cardiac hypertrophy**  
Bhat, A., Vera, C., Marang, C., Giri, P., Bernstein, D., Dunn, A.  
CELL PRESS.2026: 327a
- **The order of things: phosphate release or the power stroke, which does actomyosin do first?** *Frontiers in physiology*  
Debold, E. P., Marang, C. P., Scott, B. D.  
2025; 16: 1692606
- **Characterizing the concentration and load dependence of phosphate binding to rabbit fast skeletal actomyosin.** *Proceedings of the National Academy of Sciences of the United States of America*  
Marang, C. P., Petersen, D. J., Scott, B. D., Walcott, S., Debold, E. P.  
2025; 122 (20): e2504758122
- **Force-dependence reveals phosphate's effect on the cross-bridge cycle, favoring a branched-pathway over a powerstroke-reversal**  
Petersen, D. J., Marang, C., Scott, B., Debold, E. P., Walcott, S.  
CELL PRESS.2025