Stanford

Christopher Marang

Postdoctoral Scholar, Chemical Engineering

Bio

HONORS AND AWARDS

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

STANFORD ADVISORS

- Alexander Dunn, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Phosphate release from myosin Va occurs after the initial powerstroke but before the secondary powerstroke associated with ADP-release.** *The Journal of biological chemistry*
  Marang, C. P., Scott, B. D., Yengo, C. M., Debold, E. P.
  2026: 113303
- **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
- **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.
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- **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