



Basil M. Baccouche

MD Student with Scholarly Concentration in Clinical Research / Surgery, expected graduation Spring 2026

Bio

BIO

Stanford University School of Medicine M.D. '25

University of Cambridge MPhil in Epidemiology '21

Harvard College A.B. with Honors in Human Evolutionary Biology, Minor in Chemistry '20

EDUCATION AND CERTIFICATIONS

- Bachelor of Arts, Harvard University , UG Human Biology (2020)
- MPhil, University of Cambridge , Epidemiology (2021)
- A.B., Harvard College , Human Evolutionary Biology, Minor in Chemistry (2020)

LINKS

- LinkedIn: <https://www.linkedin.com/in/basilbaccouche/>

Research & Scholarship

LAB AFFILIATIONS

- Joseph Woo, Woo Lab (12/18/2021)

Publications

PUBLICATIONS

- **Structural, angiogenic, and immune responses influencing myocardial regeneration: a glimpse into the crucible.** *NPJ Regenerative medicine*
Baccouche, B. M., Elde, S., Wang, H., Woo, Y. J.
2024; 9 (1): 18
- **Large Animal Translational Validation of 3 Mitral Valve Repair Operations for Mitral Regurgitation Using a Mitral Valve Prolapse Model: A Comprehensive In Vivo Biomechanical Engineering Analysis.** *Circulation. Cardiovascular interventions*
Zhu, Y., Yajima, S., Park, M. H., Venkatesh, A., Stark, C. J., Tran, N. A., Walsh, S. K., Ethiraj, S., Wilkerson, R. J., Lin, L. E., Lee, S. H., Gates, K. Y., Arthur, et al
2024; 17 (4): e013196
- **Four Decades of Progress in Heart-Lung Transplantation: 271 Cases at a Single Institution.** *The Journal of thoracic and cardiovascular surgery*
Elde, S., Baccouche, B. M., Mullis, D. M., Leipzig, M. M., Deuse, T., Krishnan, A., Fawad, M., Dale, R., Walsh, S., Padilla-Lopez, A., Wesley, B., He, H., Yajima, et al
2024
- **Biomechanics and clinical outcomes of various conduit configurations in valve sparing aortic root replacement.** *Annals of cardiothoracic surgery*

Zhu, Y., Park, M. H., Pandya, P. K., Stark, C. J., Mullis, D. M., Walsh, S. K., Kim, J. Y., Wu, C. A., Baccouche, B. M., Lee, S. H., Baraka, A. S., Joo, H., Yajima, et al
2023; 12 (4): 326-337

- **Galectin-3 and HFpEF: Clarifying an Emerging Relationship.** *Current cardiology reviews*

Baccouche, B. M., Rhodenhiser, E. G.
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- **Galectin-3 is Associated with Heart Failure Incidence: A Meta-Analysis.** *Current cardiology reviews*

Baccouche, B. M., A Mahmoud, M., Nief, C., Patel, K., Natterson-Horowitz, B.
2022

- **Did giraffe cardiovascular evolution solve the problem of heart failure with preserved ejection fraction?** *EVOLUTION MEDICINE AND PUBLIC HEALTH*

Natterson-Horowitz, B., Baccouche, B. M., Mary, J., Shivkumar, T., Bertelsen, M., Aalkjaer, C., Smerup, M. H., Ajijola, O. A., Hadaya, J., Wang, T.
2021; 9 (1): 248-255

- **Complete and Partial Aortic Occlusion for the Treatment of Hemorrhagic Shock in Swine.** *Journal of visualized experiments : JoVE*

Williams, A. M., Bhatti, U. F., Dennahey, I. S., Chtraklin, K., Chang, P., Graham, N. J., Baccouche, B. M., Roy, S., Harajli, M., Zhou, J., Nikolian, V. C., Deng, Q., Tian, et al
2018