

Stanford



Michael Hollander

Ph.D. Student in Bioengineering, admitted Autumn 2015

Bio

HONORS AND AWARDS

- Community Impact Award, Stanford Alumni Association (2020)
- Ruth L. Kirschstein National Research Service Award (F31), National Cancer Institute (2019)
- Chemistry/Biology Interface Predoctoral Training Program, Stanford ChEM-H (2015)

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , BIOE-MS (2017)
- B.S., Cornell University , Chemical Engineering (2015)

STANFORD ADVISORS

- Carolyn Bertozzi, Doctoral Dissertation Co-Advisor (AC)
- Jennifer Cochran, Doctoral Dissertation Co-Advisor (AC)

Teaching

COURSES

2018-19

- Educational Practice in Bioengineering: BIOE 296 (Aut)

Publications

PUBLICATIONS

- **Multi-phase catheter-injectable hydrogel enables dual-stage protein-engineered cytokine release to mitigate adverse left ventricular remodeling following myocardial infarction in a small animal model and a large animal model.** *Cytokine*
Steele, A. N., Paulsen, M. J., Wang, H., Stapleton, L. M., Lucian, H. J., Eskandari, A., Hironaka, C. E., Farry, J. M., Baker, S. W., Thakore, A. D., Jaatinen, K. J., Tada, Y., Hollander, et al
2020; 127: 154974
- **Surrogate R-spondins for tissue-specific potentiation of Wnt Signaling.** *PloS one*
Luca, V. C., Miao, Y., Li, X., Hollander, M. J., Kuo, C. J., Garcia, K. C.
2020; 15 (1): e0226928
- **Physical Principles of Membrane Shape Regulation by the Glycocalyx.** *Cell*
Shurer, C. R., Kuo, J. C., Roberts, L. M., Gandhi, J. G., Colville, M. J., Enoki, T. A., Pan, H., Su, J., Noble, J. M., Hollander, M. J., O'Donnell, J. P., Yin, R., Pedram, et al
2019

- **Trans-endocytosis of intact IL-15R α -IL-15 complex from presenting cells into NK cells favors signaling for proliferation.** *Proceedings of the National Academy of Sciences of the United States of America*
Anton, O. M., Peterson, M. E., Hollander, M. J., Dorward, D. W., Arora, G., Traba, J., Rajagopalan, S., Snapp, E. L., Garcia, K. C., Waldmann, T. A., Long, E. O.
2019
- **A bulky glycocalyx fosters metastasis formation by promoting G1 cell cycle progression** *ELIFE*
Woods, E. C., Kai, F., Barnes, J., Pedram, K., Pickup, M. W., Hollander, M. J., Weaver, V. M., Bertozzi, C. R.
2017; 6
- **Galectin-3 Binds to Lubricin and Reinforces the Lubricating Boundary Layer of Articular Cartilage** *SCIENTIFIC REPORTS*
Reesink, H. L., Bonnevie, E. D., Liu, S., Shurer, C. R., Hollander, M. J., Bonassar, L. J., Nixon, A. J.
2016; 6: 25463