

## Madeline Hughes Cooper

- MD Student, expected graduation Spring 2022
- Ph.D. Student in Biophysics, admitted Autumn 2019
- MSTP Student

### Publications

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#### PUBLICATIONS

- **Modeling myelin: A toolkit for exploring myelin's mysteries in vitro.** *Developmental cell*  
Cooper, M. H., Zuchero, J. B.  
2021; 56 (9): 1215–17
- **Soft extracellular matrix enhances inflammatory activation of mesenchymal stromal cells to induce monocyte production and trafficking** *SCIENCE ADVANCES*  
Wong, S., Lenzini, S., Cooper, M. H., Mooney, D. J., Shin, J.  
2020; 6 (15): eaaw0158
- **Chapter 1 - Design principles for dynamic microphysiological systems** *Microfluidic Cell Culture Systems*  
Cooper, M., Charest, J. L., Coppeta, J.  
Elsevier Inc..2019; 2: 1–29
- **Community health workers on a college campus: Effects on influenza vaccination** *JOURNAL OF AMERICAN COLLEGE HEALTH*  
Huang, J. J., Francesconi, M., Cooper, M. H., Covello, A., Guo, M., Gharib, S. D.  
2018; 66 (4): 317–23
- **Deterministic encapsulation of single cells in thin tunable microgels for niche modelling and therapeutic delivery.** *Nature materials*  
Mao, A. S., Shin, J., Utech, S., Wang, H., Uzun, O., Li, W., Cooper, M., Hu, Y., Zhang, L., Weitz, D. A., Mooney, D. J.  
2017; 16 (2): 236-243