

Madeline Hughes Cooper

- MD Student, expected graduation Spring 2026
- Ph.D. Student in Biophysics, admitted Autumn 2019
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Publications

PUBLICATIONS

- **Nanobodies against the myelin enzyme CNPase as tools for structural and functional studies.** *bioRxiv : the preprint server for biology*
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- **Optical Control of G-Actin with a Photoswitchable Latrunculin.** *Journal of the American Chemical Society*
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- **Oligodendrocyte calcium signaling promotes actin-dependent myelin sheath extension.** *Nature communications*
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- **Modeling myelin: A toolkit for exploring myelin's mysteries in vitro.** *Developmental cell*
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- **Soft extracellular matrix enhances inflammatory activation of mesenchymal stromal cells to induce monocyte production and trafficking** *SCIENCE ADVANCES*
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- **Chapter 1 - Design principles for dynamic microphysiological systems** *Microfluidic Cell Culture Systems*
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- **Community health workers on a college campus: Effects on influenza vaccination** *JOURNAL OF AMERICAN COLLEGE HEALTH*
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- **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.
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