Stephanie Mooney

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Managing editor and science communicator with over a decade of experience owning editorial quality for research-driven organizations. I have built and run editorial workflows from brief to publish, edited the work of distinguished researchers and senior engineers, and shepherded complex scientific content into prose that is clear, grounded in evidence, and worth reading.

Competencies: Editorial leadership, manuscript editing, science writing, technical writing, content strategy, editorial workflow design, science communication, brand and creative direction

PROFESSIONAL EXPERIENCE

Head of Technical Communications | **OXMAN** | Nov 2020 – Oct 2023
Research-led startup at the intersection of biology, computation, and design

- Owned the editorial bar and voice for a high-volume, multi-author publishing environment — designing and running the end-to-end content review process from outline through publication, managing a complex editorial calendar, and establishing standards and templates that improved logic, consistency, and compliance across all outputs
- Edited and authored scientific manuscripts, grant submissions, book content, and executive presentations for audiences ranging from peer reviewers to the general public, working directly with PhDs and senior researchers to sharpen structure, language, and argument
- Wrote an SBIR Phase I proposal for the National Science Foundation, translating primary research into a scientifically rigorous submission strategically calibrated to NSF program priorities
- Prepared invention disclosures for three utility patents in collaboration with researchers and patent attorneys, translating primary research into detailed technical documentation: *Methods and apparatus for high-resolution textile fabrication with multimaterial intelligent fibers* (US 2024/0141557 A1); *Methods and apparatus for bio-regulation and templating of plant growth* (US 2024/0164261 A1); *Methods and apparatus for manufacturing articles for sampling environmental genetic material* (WO 2022/271799 A1)
- Shaped how complex science was represented across text and imagery for public-facing web pages, press coverage by platforms such as *The Wall Street Journal* and *Dezeen*, and a major SFMOMA exhibition

Creative Lead | **Markforged** | Apr 2018 – Mar 2020
B2B industrial additive manufacturing company; went public via SPAC merger following Series D raise

- Owned the content creation and review process for technical and visual content, reporting into Marketing while embedded with engineers, scientists, and product teams
- Collaborated across teams to repackage and distribute technical and thought leadership content across multiple channels, including social posts, webinars, and internal enablement
- Spearheaded a full brand refresh and website redesign, establishing the visual and editorial identity that carried the organization through its growth phase
- Built and managed a content management system and design system, establishing the processes and infrastructure that enabled the team of distributed creatives and the broader organization to scale output

Independent Consultant | Jun 2014 – present

- Consulting editor on a manuscript published in *Science Robotics*, working directly with researchers to elevate technical accuracy, structure, and prose, and to identify new lines of inquiry; the principal investigator invited me to join as a co-author
- Writing and editing across technical, developmental, and copyediting domains; medical and scientific graphic design; and web design
- Original illustrations and figures featured in *Nature*, *Science Robotics*, *Journal of Neural Engineering*, *Science Translational Medicine*, and TED Talks

RESEARCH & EDUCATION

NSF Graduate Research Fellow | Harvard-MIT Health Sciences & Technology | Sep 2014 – Aug 2016
Medical Engineering & Medical Physics PhD Program, MIT Biomechatronics Group (Prof. Hugh Herr)

- Named inventor on a utility patent filed by MIT and licensed by the U.S. government: *Quantitative design and manufacturing framework for a biomechanical interface contacting a biological body segment* (US 2021/0145608 A1)
- Mooney, L. M., Ku, S. L., et al. (2015). *Measuring muscle stiffness by linear mechanical perturbation.* IEEE 12th International Conference on Wearable and Implantable Body Sensor Networks.
- Founded the MIT Puppy Lab, a community therapy dog initiative

Massachusetts Institute of Technology (MIT) | Sep 2010 – Jun 2014
BS in Mechanical Engineering, Minor in Brain and Cognitive Sciences