



Julia Fountain, Ph.D.

PATENT AGENT

Julia is a patent agent in the Boston office.

Practices

Patent
— Chemical & Life Sciences

Education

Tufts University, PhD, 2023
University of South Carolina, BS, cum laude, 2017

Offices

Boston

Phone

617.973.6110

Email

julia.fountain@afslaw.com

Julia is a Patent Agent whose practice centers on pharmaceutical patent preparation and prosecution, leveraging expertise in organic and biological chemistry to advance clients' IP objectives. Julia advises life sciences companies on intellectual property strategy and portfolio development, drawing on her extensive experience in biochemical research and advanced understanding of the pharmaceutical and biotechnology space.

Previous Work

Prior to joining the firm, Julia performed her doctoral research at Tufts University, where she worked with small molecules and proteins, harnessing the unique properties of fluorocarbons to create novel biomaterials. She is also an inventor, holding a patent related to hydrophobic silk fibroin construction, and is a member of the American Chemical Society.

Publications, Presentations & Recognitions

Publications

- "Fluorinated Hydrophobic Silk as Platelet Compatible Coatings for Platelet Conservation and Storage Applications," *Advanced Functional Materials* (July 2025)
- "Towards Non-Stick Silk: Tuning the Hydrophobicity of Silk Fibroin Protein," *ChemBiochem*, Vol. 23 (Sept. 2022)

Presentations

- "Towards non-stick silk: controlling the hydrophobicity of silk fibroin protein," ACS National Meeting and Expo, Sand Diego, CA (March 2022)
- "Fabrication of silk fibroin with tunable hydrophobicity," Boston Symposium on Organic & Bioorganic Chemistry, Boston, MA (Nov. 2021)

Boards, Memberships & Certifications

Certifications

— USPTO Patent Agent – Registration No. 83,756

Life Beyond the Law

Outside of work, Julia enjoys visiting National Parks, reading, and running half-marathons.

Bar Admissions

[US Patent and Trademark Office](#)