

Lily Zhang

PATENT AGENT

Patents and
Innovations
New York

lzhang@wsgr.com
212-453-2808



FOCUS AREAS

Artificial Intelligence and
Machine Learning
Biotech
Diagnostics, Life Science
Tools, and Deep Tech
Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. Lily Zhang is a patent agent in the New York office of Wilson Sonsini Goodrich & Rosati, where she is a member of the patents and innovations group. Her practice focuses on patent prosecution across multidisciplinary fields, including immunology, microbiology, genomics, bioinformatics, AI/machine learning, molecular diagnostics, and related technologies.

Prior to joining the firm, Lily completed her doctoral degree in computational biology at New York University. Her Ph.D. dissertation focused on investigating how the gut microbiome affects immune cells in cancer immunotherapy patients using computational methods. She was also a licensing intern at New York University's technology transfer office, where she worked on technology marketing.

CREDENTIALS

Education

- Ph.D., Computational Biomedicine, New York University, 2026
- B.A., Molecular Biology and Biochemistry, Rutgers University-New Brunswick, 2020

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author, "mRNA COVID-19 vaccine elicits potent adaptive immune response without the persistent inflammation seen in SARS-CoV-2 infection," *iScience*, 2023
- Co-author, "Gut microbiome dysbiosis in antibiotic-treated COVID-19 patients is associated with microbial translocation and bacteremia," *Nature Communications*, 2022
- Co-author, "C. Elegans Nuclear RNAi Factor SET-32 Deposits the Transgenerational Heritable Histone Modification, H3K23me3," *ELife*, 2020