



Lili Huang

Patent Agent

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Lili is a Patent Agent at Marshall Gerstein's chemical practice group, where she assists with drafting and prosecuting U.S. and international patent applications. She also assists with freedom-to-operate (FTO) and IP due diligence matters.

Lili brings a strong scientific background to her patent practice. She holds a Ph.D. in organic chemistry and has research experience spanning chemistry, biochemistry and structural biology.

Practices

- Patent Prosecution

Industries

- Chemical Sciences

Education

- Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences (Ph.D., 2007)
 - Organic Chemistry
- Memorial Sloan-Kettering Cancer Center (Post Doctoral Research, 2011)
 - Structural Biology

Bar Admissions

- U.S. Patent and Trademark Office, 2019

Representative Experience

Lili's experience spans a range of technical areas, including:

- Medicinal Chemistry
- Antibodies and Antibody-Drug Conjugates (ADCs)

- Engineered Peptides and Proteins
- Modified Nucleic Acids
- RNA Interference (RNAi) Technology
- Structural Biology and Crystallography

Background and Credentials

Prior to joining Marshall Gerstein, Lili was a Patent Agent at Venture Partner LLC, where she drafted and prosecuted patent applications across a broad range of chemical and life sciences technologies, including small-molecule therapeutics, antibodies and antibody-drug conjugates (ADCs), engineered peptides and proteins, modified RNA and RNA interference (RNAi) technologies, and T-cell therapies. She also conducted patentability analysis, invalidity analysis, freedom-to-operate (FTO) and patent due diligence analyses.

Before beginning her patent career, Lili held scientific research positions in the biotechnology and pharmaceutical industries and in academia. As a Scientist at Microsensor Labs, she conducted biotechnology research and development. As a Postdoctoral Scientist at AstraZeneca, she contributed to early-stage drug discovery, studying interactions between small-molecule drug candidates and protein targets. Earlier, as a Research Associate at Memorial Sloan-Kettering Cancer Center, she conducted structural and functional studies of riboswitches.

Lili earned her Ph.D. in organic chemistry from the Shanghai Institute of Organic Chemistry (SIOC) at the Chinese Academy of Sciences.

Publications and Presentations

- “Long-range pseudoknot interactions dictate the regulatory response in the tetrahydrofolate riboswitch,” *Proceedings of the National Academy of Sciences of the United States of America*, 2011, 108(36), 14801–14806.
- “Structural insights into ligand recognition by a sensing domain of the cooperative glycine riboswitch,” *Molecular Cell*, 2010, 40(5), 774–786.
- “Coenzyme recognition and gene regulation by a FMN riboswitch,” *Nature*, 2009, 458(7235), 233–237.
- “Structural insights into amino acid binding and gene control by a lysine riboswitch,” *Nature*, 2008, 455(7217), 1263–1267.