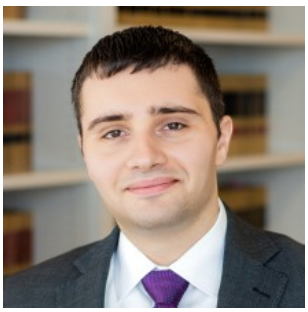

Luke J. Sisto, Ph.D.

Patent Agent

Tel 312.423.3448
lsisto@marshallip.com

Luke is a Patent Agent within Marshall Gerstein's Chemical Sciences practice. Luke assists with the drafting and global prosecution of patents, as well as freedom to operate searches. His current work covers consumer care product and pharmaceutical spaces.

Practices

- Patent Prosecution

Industries

- Chemical Sciences

Representative Experience

- Medicinal chemistry
- Organic synthesis
- Peptides
- Antibodies
- DNA/RNA technologies

Background and Credentials

Luke achieved his Ph.D. in organic chemistry from UCLA and a B.S. in chemistry from Brandeis University. Since graduating, Luke has held postdoctoral positions at UCLA and Yale University, and as a senior research scientist at a contract research organization. Through his work, Luke has experience inventing pan-antifungal agents, writing grants and multidisciplinary research papers, and leading chemical synthesis projects for clients ranging from startups to multinational corporations.

Education

- University of California, Los Angeles (Ph.D.)

    - Organic Chemistry
- Brandeis University (B.S.)
    - Chemistry

Bar Admissions

- U.S. Patent and Trademark Office

Community and Professional Involvement

- AUTM

Publications and Presentations

- Molecular insights into de novo small-molecule recognition by an intron RNA structure, *PNAS* 2025, 122(19), e25024251221.
- Amidine-Substituted Antifungal Compounds and Methods of Use Same, Provisional Filed **2025.**
- Novel Quinazoline Derivatives Inhibit Splicing of Fungal Group II Introns, *ACS Chem. Biol.* 2025, 20(2), 378-385.
- Antifungal Compounds and Methods of Use Same for Inhibiting Group I Intron Splicing, Provisional Filed **2024**.
- Sulfane transalkylations and metal catalyzed allylic substitutions for the synthesis of composite macrobicyclic peptides, *TetrahedronLett*. **2020,** 61(24), 151986.
- Syntheses of hybrid cyclopeptidyl [n]sulfanes by internal alkyl group exchange, *Tetrahedron Lett.***2020,** 61(24), 151985.
- Assembly of Complex Macrocycles by Incrementally Amalgamating Unprotected Peptides with a Designed Four-Armed Insert, *J. Org. Chem*. **2018**, 83(6), 3090–3108.