



Grace Wang, Ph.D.

Patent Agent

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Grace leverages her Ph.D. in Chemistry and extensive research background in chemical biology to guide clients through complex patent prosecution in the life sciences industry.

PRACTICES

Intellectual Property
Patent Preparation, Prosecution, and
Counseling

EDUCATION

Duke University, B.S. Chemistry (Minors
in Mathematics and Biology)

California Institute of Technology, Ph.D.
Chemistry

BAR ADMISSIONS

United States Patent and Trademark
Office

Grace brings both deep scientific expertise and practical patent law experience to provide comprehensive support throughout the patent application lifecycle, from initial preparation through prosecution and portfolio management. Her technical background spans organic chemistry, biochemistry, bioinformatics, molecular biology, and drug discovery, enabling her to tackle sophisticated patent matters across interdisciplinary life sciences. Grace's extensive academic research background gives her particular insight into cutting-edge therapeutic developments and emerging biotechnology trends.

Grace brings expertise preparing and prosecuting patent applications for small molecule synthesis, antibody therapeutics, drug formulation technologies, and biomedicine innovations. Her experience includes conducting Freedom to Operate (FTO) analyses, performing claims and prior art analyses for non-infringement opinions, and managing international patent portfolios for clients ranging from emerging biotech companies to established pharmaceutical enterprises.

Before joining Holland & Hart, Grace worked as a Patent Agent at a boutique life sciences patent prosecution firm. Grace is a registered practitioner before the U.S. Patent and Trademark Office and holds a Ph.D. in Chemistry from the California Institute of Technology and a B.S. in Chemistry (with distinction) from Duke University.

EXPERIENCE

Preparation and Prosecution

- Domestic and international patent preparation and prosecution
- Patent portfolio development and management

Technologies

Life Sciences

- Small molecule drug discovery
- Probiotic / synthetic living organism
- Food chemistry
- In silico drug discovery
- Enzyme catalysis platform

- Biomarker / medical diagnosis
- Antibody development & formulation
- Multi-omics (proteomics, transcriptomics, metabolomics) / next-generation sequencing

PUBLICATIONS

"Chemo-selective Proteomics in Microbial Systems," *ASM Journals*, September 15, 2026

"Bioorthogonal Click Chemistry for Antibody-Free Profiling of Acetylation, Propionylation, and Butyrylation in *Pseudomonas aeruginosa* and Methicillin-Resistant *Staphylococcus aureus*," *ACS Publications*, February 16, 2026

"Identification of Hsp90 Inhibitors with Anti-Plasmodium Activity," *Antimicrobial Agents and Chemotherapy* 2018, 62, e01799-17, Co-Author, March 2018

SPEAKING ENGAGEMENTS

"Staphylococcal Secreted Cytotoxins are Competition Sensing Signals for *Pseudomonas aeruginosa*," *Sensory Transduction in Microorganisms (STIM) Gordon Research Conference*, Ventura, CA, September 28, 2022

"Staphylococcal Secreted Cytotoxins Mediate Antagonistic Response in *Pseudomonas aeruginosa*," *ASM Microbe*, Washington, DC, June 10, 2022

PROFESSIONAL AND CIVIC AFFILIATIONS

- American Chemical Society (ACS)
- American Society for Microbiology (ASM)