



Rae Zhang, Ph.D.

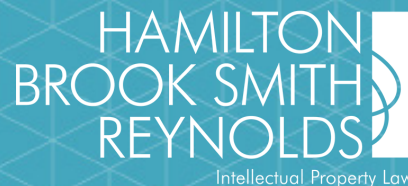
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PRACTICE AREAS

- Patents
- Design Patents

TECHNOLOGIES

- Chemistry
- Pharmaceuticals
- Biotechnology & Life Sciences
- Biologics & Immunotherapies
- Materials Science
- Artificial Intelligence
- Bioinformatics
- Computer Software
- Medical Devices
- Medical Imaging

EDUCATION

- B.S./M.S. in Chemistry, California Institute of Technology
- Ph.D. in Chemistry, Duke University
- M.S. in Data Analytics (expected in 2026), Georgia Institute of Technology

Rae assists clients with protecting their intellectual property in a diverse array of fields, including chemistry, biology, physics, and artificial intelligence. She has technical expertise in bioinorganic chemistry, biochemistry, biophysics, artificial intelligence, organic chemistry, materials science, biomolecular simulation, and cheminformatics. In particular, Rae has conducted research on protein signaling mechanisms, inorganic semiconductors, biosensors, and AI methods for drug discovery.

Before joining the firm, Rae worked as a patent agent at a general practice law firm. Her professional experience includes patent drafting and prosecution, IP due diligence investigations, including conducting freedom-to-operate searches and analyses, and preparing office action responses.

Rae received her Ph.D. in chemistry from Duke University and was honored with numerous fellowships, including the James B. Duke Fellowship, the John Chambers Fellowship, and the Bass Instructional Fellowship through Duke University; the Blue Waters Graduate Fellowship supported by the National Science Foundation; the National Institutes of Health (NIH) T32 Carolina Cancer Nanotechnology Training Program Fellowship through the University of North Carolina at Chapel Hill; and the Canadian Institutes of Health Research (CIHR) Postdoctoral Fellowship. She is also a heavily cited researcher with 18 peer-reviewed journal publications. Following her Ph.D., she conducted postdoctoral studies at Duke University, the University of North Carolina at Chapel Hill, and the University of Calgary (Canada).

As an undergraduate at the California Institute of Technology, Rae spent a year as a researcher at the Agency for Science, Technology and Research in Singapore.