

Katharine Schulz, Ph.D.

Patent Scientist

Katharine Schulz, Ph.D., is a patent scientist in the Intellectual Property Group. She assists the attorney team and intellectual property clients in the preparation and prosecution of patent applications with a focus on life sciences.

Katharine works on a wide array of technologies, including:

- Therapeutics, such as vaccines, antibodies, protein therapeutics, probiotics, nutraceuticals, and gene therapies
- Diagnostic assays and biomarkers
- Stem cells and cell culture
- Genetically engineered plants, animals and microorganisms
- Plant patents and crop improvement

Katharine's core technical experience is in the fields of biochemistry and molecular biology. She has more than 8 years of experience as a research scientist and has authored scientific research and review papers. As an undergraduate, she studied the teratogenic effects of retinoids on the developing mouse fetus, and as a graduate student, she studied chromatin remodeling in the developing *Drosophila* embryo.

As an undergraduate, she completed two industry internships in food safety and software testing. While pursuing her graduate degree, she served as a student ambassador for the University's Technology Transfer Office and as a teaching assistant for two undergraduate biochemistry courses. She also assisted with a project for the University of Wisconsin Law & Entrepreneurship Clinic and gave public lectures on the topics of CRISPR-based genome editing and model organisms at science outreach events.

Legal Services

- [Patent Prosecution](#)
- [Research Institutions](#)
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Education and Honors

- University of Wisconsin - Madison (Ph.D., 2018)
 - Doctor of Philosophy, Integrated Program in Biochemistry
 - Thesis title: Defining the interaction of Zelda with chromatin
 - NIH Molecular Biosciences Training Grant Recipient
 - Genetics Society of America Poster Award, 56th Annual



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Drosophila Research Conference

- University of Wisconsin - Madison (B.S., *with distinction*, 2012)
 - Major: Biochemistry
 - Senior thesis title: Assessing the teratogenicity of synthetic retinoids in mice
 - Phi Kappa Phi
 - National Society of Collegiate Scholars