

Kelly A. Barton, Ph.D. *

Patent Scientist

** Not admitted to practice law*

Overview

Kelly assists with preparing and prosecuting patent applications, informed by more than ten years of experience in biochemical research. The skills she gained as a research scientist provide her with a broad knowledge of invention disclosures, freedom to operate, patentability, and patent infringement opinions.

Her biochemical research experience includes:

- Carbohydrate chemistry
- Small molecule interactions
- Protein chemistry
- Biological macromolecular interactions
- Microscopy
- Analytical and organic chemistry

Experience

Prior to joining Michael Best, Kelly was a senior scientist and technology manager with Rivertop Renewables, a bio-based chemical company in Missoula, Montana. There, she managed Discovery projects targeted at investigating new products and new applications, assisted patent attorneys with patent applications, and designed and managed experimental work.

Kelly completed a postdoctoral fellowship through NIH's Intramural Research Program's Laboratory of Persistent Viral Diseases-Prion Biochemistry at Rocky Mountain Labs, where she worked on new methods of affinity capture chromatography of prions, and explored the role of accessory small molecules in prior transmission using cell culture.

While pursuing her Ph.D., she worked with Washington University's School of Medicine, studying the association of lens proteins with small metabolic molecules, and developing a technique for florescent correlation spectroscopy (FCS) measurements in cultured whole lenses to study protein interaction and diffusion of small molecules. As an undergrad, Kelly researched parasitic glycoproteins and designed an atomic absorption spectroscopy method.



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Industries

Life Sciences

Practices

Intellectual Property

Patent

Professional Activities

- Consulting Scientist, Inspired Classroom, 2016-Present
- Adjunct Faculty, University of Montana Biology Department, 2010-2013
- Instructor, Biomedical Research After-School Scholars (BRASS), 2009-2012
- Instructor, Women in Science Day, Washington University, 2006-2007
- Instructor, Young Scientist Program, Washington University, 2002-2008

Education

- Washington University School of Medicine in St. Louis, Doctor of Philosophy (Ph.D.), 2008; Biochemistry
- Muhlenberg College, Bachelor of Science (B.S.), magna cum laude, 2001; Biochemistry; American Cancer Society certified