



Kimberly A. Reynolds, Ph.D.

Technology Specialist, Patent Agent



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Overview

About Kimberly

Kimberly Reynolds, Ph.D. is a technology specialist and patent agent in the Boston office of Fish & Richardson P.C. Her practice emphasizes U.S. and foreign patent prosecution, opinion work, and strategic counseling, primarily in biotechnology and other life sciences. She performs competitive patent analyses and identifies third-party patent risks, and provides patentability and freedom-to-operate opinions. Kimberly also has experience in opposing and defending patents before the European Patent Office and in U.S. litigation and post-grant proceedings.

Dr. Reynolds's graduate work included kinetic analysis of the viral protease and helicase of the hepatitis C virus using biochemical and biophysical techniques and developing nanoparticles to target the viral genome. Her postdoctoral work focused on characterizing the mechanism of a histone acetyl transferase complex that is misregulated in acute myeloid leukemia and epigenetic landscape of transcriptionally active gene bodies using innovative epigenetic and molecular techniques.

Technical areas of Dr. Reynolds's prosecution and opinion work include molecular biology, biochemistry and biochemical pathways, genetics, cellular biology, virology (including methods of treating viral infections and producing viruses), recombinant nucleic acid and protein products (including methods of producing them and use as therapeutics), RNAi, mRNA, lncRNA, chromatin remodeling, array technology, immunology, recombinant antibody screening and engineering, molecular medicine, screening and diagnostic assays and kits, biomarkers (including genomic, proteomic, and metabolic), transgenic plants and animals, cell lines, nanoparticle technology, surgical

procedures, and vaccines.

Focus Areas

Services

- Patent

Industries

- Life Sciences

Education

Ph.D., Biochemistry, Molecular Biology, University of Arkansas for Medical Sciences (2013)

B.S., Mathematics, Chemistry, University of Central Arkansas (2007)

Insights

Publications

- Kimberly A. Reynolds, Craig E. Cameron, and Kevin D. Raney (2015). Melting of Duplex DNA in the Absence of ATP by the NS3 Helicase Domain through Specific Interaction with a Single-Strand/Double-Strand Junction. *Biochemistry* 54, 4248-58.
- Veronica M. Raney, Kimberly A. Reynolds, Melody K. Harrison, Craig E. Cameron, and Kevin D. Raney (2012). Binding by the hepatitis C virus NS3 helicase partially melts duplex DNA. *Biochemistry* 51, 7596-607.
- Kimberly A. Reynolds, Veronica M. Raney, and Kevin D. Raney (2015). "Probing RNA Translocases with DNA" in *RNA Remodeling Proteins: Methods and Protocols*, Ed. Marc Boudvillain (Springer). *Methods Mol. Biol.* 1259, 275-91.

Memberships & Affiliations

American Society for Microbiology (2010 – Present)