

Minyoung Shin

OF COUNSEL

Patents and
Innovations
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FOCUS AREAS

Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. Minyoung Shin is Of Counsel in the patents and innovations practice in the San Diego office of Wilson Sonsini Goodrich & Rosati. Her practice focuses on strategic patent counseling for clients in life sciences and biotechnology industries, including due diligence, freedom to operate, patentability, invalidity, non-infringement analyses, patent portfolio management and prosecution, and U.S. and foreign patent invalidation litigations. She also provides IP advice to early stage and commercial stage companies in connection with financing, public offering, mergers and acquisitions, licensing, and collaborations. In addition, Minyoung has represented top international venture capital firms and provided IP advice on investments to target companies and during formation of new biotech companies.

Minyoung has an in-depth experience in counseling clients in the area of nucleotide-based therapeutics, including siRNAs and antisense oligonucleotides, antibody-drug conjugates, gene editing, antibody-based therapeutics, personalized cancer immunotherapy, next generation sequencing, molecular diagnostics, stem cell therapy, and virotherapy.

Prior to her legal career, Minyoung earned her Ph.D. in neuroscience from Northwestern University, where her research focused on molecular and cellular mechanisms of epilepsy, ion channel trafficking, and neuronal plasticity. After graduation, she worked at the Salk Institute/Howard Hughes Medical Institute as a postdoctoral fellow, where she researched cerebellar learning and memory mechanism using electrophysiology.

Minyoung is fluent in Korean.

CREDENTIALS

Education

- J.D., University of California, Irvine School of Law, 2014
Recipient, Lim Ruger Foundation Scholarship; Recipient, Dean's Award in Consumer Protection Clinic
- Ph.D., Neuroscience, Northwestern University, 2007
- B.S., Molecular Biology, Seoul National University, 2001

Admissions

- State Bar of California
- U.S. District Court for the Central District of California
- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author, "Protecting Your IP in Cannabis-Related Products and Services," *Orange County Business Journal*, July 23, 2018
- Co-author, "Neuronal Classification and Marker Gene Identification via Single-Cell Expression Profiling of Brainstem Vestibular Neurons Subserving Cerebellar Learning," *J. Neurosci.*, June 2012
- Co-author, "Multiple Types of Cerebellar Target Neurons and Their Circuitry in the Vestibulo-Ocular Reflex," *J. Neurosci.*, July 2011
- Co-author, "Alternatively Spliced Isoforms of TRIP8b Differentially Control h Channel Trafficking and Function," *J. Neurosci.*, May 2009
- Co-author, "Absence Epilepsy in Apathetic, a Spontaneous Mutant Mouse Lacking the h Channel Subunit," *Neurobiol. Dis.*, March 2009
- Co-author, "Mislocalization of h Channel Subunits Underlies h Channelopathy in Temporal Lobe Epilepsy," *Neurobiol. Dis.*, October 2008
- Co-author, "Activity-Dependent Regulation of h Channel Distribution in Hippocampal CA1 Pyramidal Neurons," *Journal of Biological Chemistry*, November 2007

TECHNICAL FLUENCY

Biological Sciences and Biotechnology

- Antibody
- Bioconjugation
- Biologics
- Biophysics
- Cancer biology
- Cancer therapeutics
- CAR-T cells
- Cell biology
- Cell culture products
- Cell therapy
- Cellular biology
- Cellular immunology
- Genomics
- Immunobiology
- Immunology
- Molecular biology
- Molecular genetics
- Neurobiology
- PCR
- Stem cell biology
- T cell immunology

Therapeutics and Drug Discovery

- CRISPR
- Drug conjugates
- Drug delivery
- Gene editing
- Gene therapy
- Immunotherapy targets
- Neuropharmacology
- Peptide therapeutics
- RNA interference (RNAi)
- Vaccines

Diagnostics and Medical Devices

- Diagnostics

Genomics and Data Analysis

- Next-generation sequencing
- Single-cell sequencing

Miscellaneous

- Litigation/PTAB/Oppositions