

WILSON SONSINI

Alicia Umpierre

ASSOCIATE

Patents and
Innovations
San Diego

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FOCUS AREAS

Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. Alicia Umpierre is an associate at Wilson Sonsini, where she provides strategic IP counseling to clients in a variety of technologies, including biologics, personalized medicine, diagnostics, devices, and gene therapy. Her expertise includes global patent portfolio development and management, freedom-to-operate analysis, and patent diligence.

Prior to becoming an associate, Alicia was a registered patent agent at Wilson Sonsini for seven years, where she worked closely with clients to develop their patent portfolios. Alicia has drafted over a hundred U.S. and Patent Cooperation Treaty applications, covering inventions relating to antibodies (including antibody drug conjugates and antibody fusions), peptides and peptide conjugates, therapeutic combinations and formulations, medical devices, 3D printed biomaterials, personalized medicine, diagnostics, gene therapy, CRISPR, and oncolytic viruses. She has also prosecuted hundreds of U.S. and foreign patent applications, and has performed dozens of freedom-to-operate, diligence, and patent landscape analyses.

Prior to her career in patent law, Alicia spent over ten years performing scientific research in industry and academia. Alicia earned a Ph.D. in Biochemistry from the University of California, San Diego, where she studied the host-pathogen interactions of the Type Three Secretion System.

CREDENTIALS

Education

- J.D., University of San Diego School of Law
Scholarship Award for Highest Cumulative GPA, Part-Time Division; Order of the Coif; Magna Cum Laude
- Ph.D., Chemistry and Biochemistry, University of California, San Diego
Research Student in the laboratory of Dr. Partho Ghosh, Chemistry Department Teaching Assistance Excellence Award
- B.S., Chemistry, California State Polytechnic University, Pomona
Visiting Research Student at University of York, England; Visiting Research Student at University of Colorado, Boulder

Admissions

- State Bar of California
- U.S. Patent and Trademark Office

TECHNICAL FLUENCY

Biological Sciences and Biotechnology

- Antibody
- Biochemistry

- Bioconjugation
- Biologics
- Cancer biology
- Cancer therapeutics
- CAR-T cells
- Cell biology
- Cell therapy
- Cellular biology
- Cellular immunology
- Epigenetics
- Genomics
- Host-pathogen interactions
- Immuno-oncology
- Immunobiology
- Immunology
- Microbiology
- Molecular biology
- Molecular genetics
- Phage therapy
- Proteomics
- Virology

Therapeutics and Drug Discovery

- Antimicrobial agents
- Biosimilars
- CRISPR
- Drug conjugates
- Drug conjugates based drug discovery
- Gene therapy
- Peptide therapeutics

Chemistry and Material Science

- Protein engineering

Miscellaneous

- Infectious diseases