

Joy Y. Wang

PATENT AGENT

Patents and
Innovations
Palo Alto

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FOCUS AREAS

Biotech
Intellectual Property
Life Sciences
Patents and Innovations

HIGHLIGHTS

■ Technical Expertise

Joy is a patent agent with extensive technical expertise in CRISPR, molecular biology, protein and nucleic acid chemistry, and gene editing.

EXPERIENCE

Dr. Joy Wang is a patent agent in the Palo Alto office of Wilson Sonsini Goodrich & Rosati, where she is a member of the patent and innovations practice. She has extensive technical expertise in CRISPR, molecular biology, protein and nucleic acid chemistry, and gene editing. Joy applies her experience to patent prosecution, freedom-to-operate, and due diligence matters for clients in the life sciences, biotechnology, and pharmaceutical industries.

Prior to joining the firm, Joy earned her Ph.D. in chemistry from UC Berkeley in the lab of Professor Jennifer Doudna, where her research focused on mechanisms of CRISPR biology, the evolution of CRISPR systems, and applications of CRISPR technology. During graduate school, she also taught several organic chemistry classes. She has co-authored publications in science journals, including *Nature* and *Science*.

CREDENTIALS

Education

- Ph.D., Chemistry, University of California, Berkeley, 2022
NSF Graduate Research Fellow, UC Berkeley Chancellor's Fellow, Outstanding Graduate Student Instructor Award
- B.S., Chemistry, Stanford University, 2017
Dean's Award for Academic Achievement, Chemistry Departmental Award, Goldwater Scholar, Boothe Prize for expository and argumentative writing

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Lead author, "CRISPR technology: A decade of genome editing is only the beginning," 379(6629) *Science*, 2023
- Lead author, "Genome expansion by a CRISPR trimmer-integrase," 618 *Nature* 855-861, 2023

- Lead author, “Structural biology of CRISPR–Cas immunity and genome editing enzymes,” 20(11) *Nature Reviews Microbiology* 641-656, 2022
- Lead author, “Structural coordination between active sites of a CRISPR reverse transcriptase-integrase complex,” 12(1) *Nature Communications* 2571, 2021
- Co-author, “A Functional Mini-Integrase in a Two-Protein Type V-C CRISPR System,” 73(4) *Molecular Cell* 727-737, 2019