

Prateek Kalakuntla

PATENT AGENT

Patents and
Innovations
Palo Alto

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FOCUS AREAS

Artificial Intelligence and
Machine Learning
Biotech
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. Prateek Kalakuntla is a patent agent in the Palo Alto office of Wilson Sonsini Goodrich & Rosati, where he is a member of the patents and innovations practice. He has extensive experience with next-generation sequencing data and the methods used to analyze it. He also has experience in machine learning, behavioral neuroscience, developmental biology, and imaging.

Prior to joining the firm, Prateek earned his Ph.D. from Stanford University in the lab of Dr. Bo Wang. His thesis focused on leveraging next-generation sequencing data alongside graph and transformer-based algorithms to identify patterns in neural evolution across vertebrates. During graduate school, he also led DB CORE, a student organization that ran a first-year mentorship program, a departmental journal club, and a yearly panel for prospective students, among other initiatives.

CREDENTIALS

Education

- Ph.D., Developmental Biology, Stanford University, 2026
Stanford Graduate Fellow; President, DB CORE
- B.S., Bioengineering, Massachusetts Institute of Technology, 2021

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-lead Author, "Hypothalamic Cell Type Evolution across Vertebrates," Bioarchive, 2026
- Co-author, "Engulfment by Brain Macrophages in a Short-Lived Vertebrate," eLife (Reviewed Preprint), 2026
- Co-author, "Apical Constriction Reversal upon Mitotic Entry Underlies Different Morphogenetic Outcomes of Cell Division," 31(16) *Molecular Biology of the Cell* 1663-1674, 2020