

Srividya Chandramouli

PATENT AGENT

Patents and
Innovations
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FOCUS AREAS

Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. Srividya Chandramouli is a patent agent in the Palo Alto office of Wilson Sonsini Goodrich & Rosati, where she is a member of the firm's patents and innovations practice. Her background includes in-depth research experience in single-cell genomic and proteomic analysis, synthetic biology, neuroscience, small-molecule target validation and screening, and a Master's degree in engineering technology. Srividya focuses on patent prosecution and due diligence matters for clients in the life sciences, biotechnology, medical device, diagnostics, pharmaceutical, and health technology industries.

Prior to joining the firm, Srividya was the handling editor for *Trends in Biochemical Sciences* at Cell Press, where she oversaw the strategic editorial vision and implementation of the publication process for a research portfolio spanning diverse interdisciplinary approaches to biochemical sciences. She is a MIT Kaufman Instructor and served as a strategic consultant with the Research without Borders Program for capacity building and promotion of surgical research and communication in Africa. She is currently an advisor for the MIT Sandbox Program to enable student-led entrepreneurship ideas.

As a postdoctoral fellow with professor Susan Lindquist at Whitehead Institute at MIT, Srividya worked on an interdisciplinary approach combining computational and experimental methods for development of allosteric small molecule modulators of the E3 ligase Rsp5/Nedd4 to reverse α -synuclein toxicity in yeast and human neuronal models of Parkinson's disease. During her doctoral studies, she focused on the molecular mechanisms regulating neuronal dendrite development.

CREDENTIALS

Education

- Ph.D., Molecular Systems Biology, School of Systems Biology, George Mason University
Recipient, 2011 Sheldon Horsley Award for Research from the Virginia Academy of Science; Recipient, Presidential Scholarship, George Mason University
- M.Sc. (Hons.), Biological Sciences, Birla Institute of Technology and Science, Pilani, India
- M.Sc. (Tech.), Engineering Technology, Birla Institute of Technology and Science, Pilani, India

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with J. Jo, S.H. Im, D.T. Babcock, F. Gunawan, D.N. Cox, and M.J. Galko, "Drosophila caspase activity is required independently of apoptosis to produce active TNF/Eiger during nociceptive sensitization," 8(5) *Cell Death & Disease*, 2017

- Co-author with H.N. Turner, K. Armengol, A.A. Patel, N.J. Himmel, L. Sullivan, and D.N. Cox, "The TRP channels Pkd2, NompC, and Trpm act in cold-sensing neurons to mediate unique aversive behaviors to noxious cold in *Drosophila*," 26(23) *Current Biology* 3116-28, 2016
- Co-author with E.P. Iyer, R. Meduri, M. Rubaharan, A. Kuntimaddi, and D.N.Cox, "Cut, via CrebA, transcriptionally regulates the COPII secretory pathway to direct dendrite development in *Drosophila*," 126(20) *Journal of Cell Science* 4732-45, 2013
- Co-author with E.P. Iyer, L. Sullivan, D. Wang, R. Meduri, L.L. Graybeal, and D.N. Cox, "Functional genomic analyses of two morphologically distinct classes of *Drosophila* sensory neurons: post-mitotic roles of transcription factors in dendritic patterning," 8(8) *PLoS One*, 2013
- Co-author with D. Wang, E.P. Iyer, S.A. Trunnell, R. Meduri, R. Shinwari, and D.N. Cox, "The RhoGEF trio functions in sculpting class specific dendrite morphogenesis in *Drosophila* sensory neurons," 7(3) *PLoS One*, 2012
- Co-author with M.J. Sulkowski, M.S. Kurosawa, E.P. Iyer, and D.N. Cox, "Turtle functions downstream of Cut in differentially regulating class specific dendrite morphogenesis in *Drosophila*," 6(7) *PLoS One*, 2011
- Co-author with E.P. Iyer, M.J. Sulkowski, and D.N. Cox, "Isolation and purification of *Drosophila* peripheral neurons by magnetic bead sorting," 1(34) *Journal of Visualized Experiments: JoVE*, 2009

PATENTS

Select Patents

- Co-inventor, "Method to treating neurodegenerative disorders by rescuing alpha-synuclein toxicity," WO2017106387A1