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PATENT AGENT

Patents and Innovations

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FOCUS AREAS

Intellectual Property

Life Sciences

Patents and Innovations

EXPERIENCE

Dr. Minerva Wong is a patent agent in the New York office of Wilson Sonsini Goodrich & Rosati, where she is a member of the patents and innovations practice. Her background includes extensive knowledge in biomedical sciences, particularly neurobiology, cellular and molecular biology, immunology, and pharmacology. She applies her experience to patent prosecution, freedom to operate, and due diligence matters for clients in the biotechnology, pharmaceutical, and life sciences industries.

Prior to joining the firm, Minerva was a patent agent at a firm based in Boston. Minerva completed her doctoral and postdoctoral trainings at Columbia University, where she focused on neuronal synapse interactions underlying therapeutic interventions for neurological disorders.

CREDENTIALS

Education

- Postdoctoral Fellowship, Neurology, Columbia University, 2014
- Ph.D., Pharmacology and Molecular Signaling, Columbia University
- B.S., Biomedical Engineering, Columbia University, 2005

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author, “Loss of striatonigral GABAergic presynaptic inhibition enables motor sensitization in parkinsonian mice,” 87(5) *Neuron* 976-988, 2015
- Co-author, “Dopamine-dependent corticostriatal synaptic filtering regulates sensorimotor behavior,” 290 *Neuroscience* 594-607, 2015
- Co-author, “Fluorescent dopamine tracer resolves individual dopaminergic synapses and their activity in the brain,” 110(3) *Proceedings of the National Academy of Sciences USA* 870-875, 2012
- Co-author, “Imaging presynaptic exocytosis in corticostriatal slices,” 793 *Methods Molecular Biology* 363-376, 2011
- Co-author, “Dopamine release at individual presynaptic terminals visualized with FFNs,” 30 *Journal of Visualized Experiments* 1562, 2009
- Co-author, “Fluorescent false neurotransmitters visualize dopamine release from individual presynaptic terminals,” 324(5933) *Science* 1441-1444, 2009
- Co-author, “Molecular modeling and mutagenesis reveals a tetradentate binding site for Zn2+ in GABA(A) alphabeta receptors and provides a structural basis for the modulating effect of the gamma subunit,” 48(2) *Journal of Chemical Information and Modeling* 344-349, 2008

- Co-author, "Taurine is a potent activator of extrasynaptic GABA(A) receptors in the thalamus," 28(1) *Journal of Neuroscience* 106-115, 2008
- Co-author, "Isoflurane is a potent modulator of extrasynaptic GABA(A) receptors in the thalamus," 324(3) *Journal of Pharmacology and Experimental Therapeutics* 1127-1135, 2008
- Co-author, "An extrasynaptic GABAA receptor mediates tonic inhibition in thalamic VB neurons," 94(6) *Journal of Neurophysiology* 4491-4501, 2005