

Celine M. Bonnefous

PATENT COUNSELOR

Patents and
Innovations
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FOCUS AREAS

Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Celine Bonnefous is a patent counselor in the San Diego office of Wilson Sonsini Goodrich & Rosati. She assists with the preparation and prosecution of patent applications in the fields of chemistry, pharmaceuticals, and biotechnology.

Prior to joining the firm, Celine was a medicinal chemist at Merck Research Laboratories, Kalypsys, Inc., and Aragon Pharmaceuticals for 14 years. In this role, she performed research in the discovery and development of novel compounds for the treatment of Alzheimer's disease, cancer, pain, anxiety, and metabolic disorders.

Celine received her master's degree in organic chemistry from the University of Houston, where she designed and prepared novel Ru(II) and Cu(I) complexes of 1,10-phenanthroline and di-(2'-pyridyl) ketone based ligands. She is the co-author of more than 20 publications and is listed as a co-inventor on numerous issued and pending U.S. and international patents.

CREDENTIALS

Education

- M.S., Organic Chemistry, University of Houston, 1998
- B.S., Chemistry, ESCOM (Ecole Supérieure de Chimie Organique et Minérale), 1996

INSIGHTS

Select Publications

- Co-author with S. G. Durón, A. Lindstrom, H. Zhang, X. Chen, K. T. Symons, M. Sablad, N. Rozenkrants, Y. Zhang, L. Wang, N. Yazdani, A. K. Shiau, S. A. Noble, P. Rix, T. S. Rao, C. A. Hassig, and N. D. Smith, "Heteroaromatic-aminomethyl Quinolones: Potent and Selective iNOS Inhibitors," *22(2) Bioorganic & Medicinal Chemistry Letters* 1237-1241, 2012
- Co-author with J. E. Payne, J. Roppe, H. Zhuang, X. Chen, K. T. Symons, P. M. Nguyen, M. Sablad, N. Rozenkrants, Y. Zhang, L. Wang, D. Severance, J. P. Walsh, N. Yazdani, A. K. Shiau, S. A. Noble, P. Rix, T. S. Rao, C. A. Hassig, and N. D. Smith, "Discovery of Inducible Nitric Oxide Synthase (iNOS) Inhibitor Development Candidate KD7332, Part 1: Identification of a Novel, Potent, and Selective Series of Quinolinone iNOS Dimerization Inhibitors That are Orally Active in Rodent Pain Models," *52(9) Journal of Medicinal Chemistry* 3047-3062, 2009
- Co-author with J. E. Payne, K. T. Symons, P. M. Nguyen, M. Sablad, N. Rozenkrants, Y. Zhang, L. Wang, N. Yazdani, A. K. Shiau, S. A. Noble, P. Rix, T. S. Rao, C. A. Hassig, and N. D. Smith, "Discovery of Dual Inducible/Neuronal Nitric Oxide Synthase (iNOS/nNOS) Inhibitor Development Candidate 4-((2-Cyclobutyl-1H-imidazo[4,5-*b*]pyrazin-1-yl)methyl)-7,8-difluoroquinolin-2(1H)-one (KD7332) Part 2: Identification of a Novel, Potent, and Selective Series of Benzimidazole-Quinolinone iNOS/nNOS Dimerization Inhibitors That Are Orally Active in Pain Models," *53(21) Journal of Medicinal Chemistry* 7739-7755, 2010

- Co-author with J. E. Payne, C. A. Hassig, K. T. Symons, X. Guo, P.-M. Nguyen, T. Annable, P. L. Wash, T. Z. Hoffman, T. S. Rao, A. K. Shiau, J. W. Malecha, S. A. Noble, J. H. Hager, and N. D. Smith, "Identification of KD5170: A Novel Mercaptoketone-Based Histone Deacetylase Inhibitor," 18(23) *Bioorganic & Medicinal Chemistry Letters* 6093-6096, 2008
- Co-author with J.-M. Vernier, J. H. Hutchinson, M. F. Gardner, M. Cramer, J. K. James, B. A. Rowe, L. P. Daggett, H. Schaffhauser, and T. M. Kamenecka, "Biphenyl-Indanones: Allosteric Potentiators of the Metabotropic Glutamate Subtype 2 Receptor," 15(19) *Bioorganic & Medicinal Chemistry Letters* 4354-4358, 2005
- Co-author with J.-M. Vernier, J. H. Hutchinson, J. Chung, G. Reyes-Manalo, and T. M. Kamenecka, "Dipyridyl Amides: Potent Metabotropic Glutamate Subtype 5 (mGlu5) Receptor Antagonists," 15(4) *Bioorganic & Medicinal Chemistry Letters* 1197-1200, 2005

TECHNICAL FLUENCY

Therapeutics and Drug Discovery

- Pharmacodynamics
- Pharmacokinetics
- Small molecule synthesis
- Small molecules

Chemistry and Material Science

- Chemical synthesis
- Chemistry
- Organic chemistry