

WILSON SONSINI

C. Ben Schwamb

PATENT AGENT

Patents and
Innovations
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FOCUS AREAS

Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. C. Ben Schwamb is a patent agent in the New York office of Wilson Sonsini Goodrich & Rosati, where he is a member of the patents and innovations practice. He assists with the preparation and prosecution of patent applications in the fields of chemistry, pharmaceuticals, and biotechnology.

Prior to joining the firm, Ben conducted doctoral research at Northwestern University under the supervision of Professor Karl A. Scheidt, where he studied the design and application of N-heterocyclic carbene catalysts in the production of medicinally privileged small molecules. As a result of this experience, he has a strong background in the multi-step synthesis of complex organic and organometallic compounds, as well as the application of modern analytical methods for structural, electronic, and mechanistic characterization of molecules and reactions.

CREDENTIALS

Education

- Ph.D., Synthetic Organic Chemistry, Northwestern University, 2018
- B.A., Chemistry, Grinnell College, 2012
With Honors

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with C. T. Check, K. P. Jang, A. S. Wong, M. H. Wang, and K. A. Scheidt, "Ferrocene-Based Planar Chiral Imidazopyridinium Salts for Catalysis," 54(19) *Angewante Chemie International Edition* 4264-68, 2015
- Co-author with M. H. Wang, D. T. Cohen, R. K. Mishra, and K. A. Scheidt, "Enantioselective β -Protonation by a Cooperative Catalysis Strategy," 137(18) *Journal of the American Chemical Society* 5891-94, 2015
- Co-author with M. H. Wang, D. N. Barsoum, D. T. Cohen, B. C. Goess, M. Riedrich, A. Chan, B. Maki, R. K. Mishra, and K. A. Scheidt, "Catalytic, Enantioselective β -Protonation Through a Cooperative Activation Strategy," 82(8) *The Journal of Organic Chemistry* 4689-4702, 2017
- Co-author with K. P. Fitzpatrick, A. C. Brueckner, C. H. Richardson, P. H.-Y. Cheong, and K. A. Scheidt, "Enantioselective Synthesis of α -Aminoboronates Catalyzed by Planar-Chiral NHC-Cu(I) Complexes," 140(34) *Journal of the American Chemical Society* 10644-48, 2018

TECHNICAL FLUENCY

Biological Sciences and Biotechnology

- Biochemistry
- Bioconjugation
- Molecular biology

Therapeutics and Drug Discovery

- Antimicrobial agents
- Drug conjugates
- Drug conjugates based drug discovery
- Drug delivery
- Gene editing
- Neuropharmacology
- Peptide therapeutics
- Pharmacodynamics
- Pharmacokinetics
- Small molecule synthesis
- Small molecules

Diagnostics and Medical Devices

- Diagnostics

Chemistry and Material Science

- Catalysis
- Chemical synthesis
- Chemistry
- Chemoenzymatic synthesis
- Green chemistry
- Materials chemistry
- Organic chemistry
- Organometallics
- Peptidomimetics
- Polymers
- Polymorph
- Process chemistry

Miscellaneous

- Cancer
- Formulations