

WILSON SONSINI

Tyler D. Baguley

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Patents and
Innovations
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FOCUS AREAS

Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. Tyler Baguley is a patent counselor in the San Diego office of Wilson Sonsini Goodrich & Rosati. He assists with the preparation and prosecution of patent applications in the fields of chemistry, pharmaceuticals, and biotechnology.

Prior to joining the firm, Tyler was a postdoctoral fellow on the medicinal chemistry team at the California Institute for Biomedical Research in La Jolla. In this role, he focused on the design and synthesis of organic small molecules to treat a variety of disease indications such as diabetes, fibrosis, and infectious disease. During his doctoral studies at the University of California, Berkeley, he developed inhibitors of protein tyrosine phosphatases, as well as new synthetic methodologies. He has co-authored several scientific publications and is a co-inventor on three U.S. patent applications.

CREDENTIALS

Education

- Ph.D., Chemistry, University of California, Berkeley, 2014
- B.S., Biochemistry, University of Oregon, 2008
Summa Cum Laude; Departmental Honors; Recipient, 2008 Organic Chemistry Achievement Award; Minor in Mathematics

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with H.-C. Xu, M. Chatterjee, A.C. Nairn, P.J. Lombroso, and J.A. Ellman, "Substrate-Based Fragment Identification for the Development of Selective, Nonpeptidic Inhibitors of Striatal-Enriched Protein Tyrosine Phosphatase," 56(19) *Journal of Medicinal Chemistry* 7636-50, 2013
- Co-author with J. Xu, M. Chatterjee, J. Brouillette, P. Kurup, J. Kanyo, Y. Zhang, K. Seyb, C. Ononenyi, G.M. Anderson, J. Gresack, G.D. Cuny, M.A. Glicksman, P. Greengard, T.T. Lam, A.C. Nairn, L. Tautz, J.A. Ellman, and P.J. Lombroso, "Inhibitors of the tyrosine phosphatase STEP Reverse Cognitive Deficits in a Mouse Model of Alzheimer's Disease," 12(8) *PLoS Biology*, 2014
- Co-author with A.C. Nairn, P.J. Lombroso, and J.A. Ellman, "Synthesis of 8-(trifluoromethyl)-1,2,3,4,5-benzopentathiepin-6-amine hydrochloride (TC-2153) analogs and evaluation as inhibitors of STEP," 25(5) *Bioorganic & Medicinal Chemistry Letters* 1050-52, 2015
- Co-author with A.W. Buesking and J.A. Ellman, "Asymmetric Synthesis of Amines by the Knochel-Type MgCl₂-Enhanced Addition of Benzyl Zinc Reagents to N-tert-Butanesulfinyl Aldimines," 13(5) *Organic Letters* 964-7, 2011

TECHNICAL FLUENCY

Therapeutics and Drug Discovery

- Small molecule synthesis
- Small molecules

Chemistry and Material Science

- Chemical synthesis
- Chemistry
- Organic chemistry