WILSON SONSINI

Grant W. Margulieux

ASSOCIATE

Patents and Innovations

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FOCUS AREAS

Intellectual Property

Life Sciences

Patents and Innovations

EXPERIENCE

Grant Margulieux assists clients in the pharmaceutical, materials, and biotech industries on a wide range of intellectual property issues, including strategic patent portfolio development, patentability, non-infringement, and freedom to operate. Grant has over a decade of experience representing clients, particularly those pursuing small molecule therapeutics.

Prior to joining the firm, Grant completed his doctoral degree in synthetic chemistry at Princeton University. His dissertation focused on the development and synthesis of catalysts and their uses in the production of pharmaceuticals, fine chemicals, synthetic materials, and alternative fuels. Grant also possesses a strong background in X-ray crystallography.

CREDENTIALS

Education

- J.D., University of San Diego School of Law
- Ph.D., Chemistry, Princeton University, 2015
- M.S., Chemistry, University of California, San Diego, 2011
- B.S., Molecular Synthesis, University of California, San Diego, 2009

Admissions

- State Bar of California
- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with M.F. Friedfeld, M. Shelvin, L.C. Campeau, and P.J. Chirik, "Cobalt-Catalyzed Enantioselective Hydrogenation of Minimally Functionalized Alkenes: Isotopic Labeling Provides Insight into the Origin of Stereoselectivity," 138(10) *Journal of the American Chemical Society* 3314-24, 2016
- Co-author with B.A. Schaefer, B.L. Small, and P.J. Chirik, "Evaluation of Cobalt Complexes Bearing Tridentate Pincer Ligands for Catalytic C-H Borylation," 34(7) *Organometallics* 1307-20, 2015

- Co-author with C.C. Mokhtarzadeh, A.E. Carpenter, N. Weidemann, C.E. Moore, A.L. Rheingold, and J.S. Figueroa, "Synthesis and Protonation of an Encumbered Iron Tetraisocyanide Dianion," 54(11) *Inorganic Chemistry* 5579-87, 2015
- Co-author with Z.R. Turner and P.J. Chirik, "Synthesis and Ligand Modification Chemistry of a Molybdenum Dinitrogen Complex: Redox and Chemical Activity of a Bis-(imino)pyridine Ligand," 53(51) *Angewandte Chemie International Edition* 14211-5, 2014
- Co-author with M.R. Friedfeld, B.A. Schaefer, and P.J. Chirik, "Bis(phosphine)cobalt Dialkyl Complexes for Directed Catalytic Alkene Hydrogenation," 136(38) *Journal of the American Chemical Society* 13178-81, 2014
- Co-author with S.P. Semproni and P.J. Chirik, "Photochemically Induced Reductive Elimination as a Route to a Zirconocene Complex with a Strongly Activated N2 Ligand," 53(35) *Angewandte Chemie International Edition* 9189-92, 2014
- Co-author with J.M. Hoyt, M. Shelvin, S.W. Krska, M.T. Tudge, and P.J. Chirik, "Synthesis and Hydrogenation Activity of Iron Dialkyl Complexes with Chiral Bidentate Phosphines," 33(20) *Organometallics* 5781-90, 2014
- Co-author with R. Yu, J.M. Darmon, C. Milsmann, S.E. Stieber, S. DeBeer, and P.J. Chirik, "Catalytic Hydrogenation Activity and Electronic Structure Determination of Bis(arylimidazol-2-ylidene)pyridine Cobalt Alkyl and Hydride Complexes," 135(35) *Journal of the American Chemical Society* 13168-84, 2013
- Co-author S.P. Semproni and P.J. Chirik, "Di- and Tetrametallic Hafnocene Oxamidides Prepared from CO-Induced N2 Bond Cleavage and Thermal Rearrangement to Hafnocene Cyanide Derivatives," 31(17) *Organometallics* 6278-87, 2012
- Co-author with R. Yu, J.D. Darmon, J.M. Hoyt, Z.R. Turner, and P.J. Chirik, "High-Activity Iron Catalysts for Hydrogenation of Hindered, Unfunctionalized Alkenes," 2(8) *ACS Catalysis* 1760-4, 2012
- Co-author with A.E. Carpenter, M.D. Millard, C.E. Moore, N. Weidemann, A.L. Rheingold, and J.S. Figueroa, "Zwitterionic Stabilization of a Reactive Cobalt Tri-Isocyanide Monoanion by Cation Coordination,"51(37) *Angewandte Chemie International Edition* 9412-6, 2012
- Co-author with N. Weidemann, C.E. Moore, A.L. Rheingold, and J.S. Figueroa, "Structural Variation in Cobalt Halide Complexes Supported by m-Terphenyl Isocyanides," 364(1) *Inorganica Chimica Acta* 238-45, 2010
- Co-author with N. Weidemann, D.C. Lacy, C.E. Moore, A.L. Rheingold, and J.S. Figueroa, "Isocyano Analogues of [Co(CO)4]n: A Tetraisocyanide of Cobalt Isolated in Three States of Charge," 132(14) *Journal of the American Chemical Society* 5033-5, 2010

TECHNICAL FLUENCY

Therapeutics and Drug Discovery

- Drug conjugates
- Drug conjugates based drug discovery
- Drug delivery
- Pharmacokinetics
- Pharmacology
- Small molecule synthesis
- Small molecules

Chemistry and Material Science

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

Engineering and Technology

- Materials science

Miscellaneous

- Food science
- Formulations
- Plant patents