SheppardMullin

Lacie C. Hirayama

Patent Agent
1540 El Camino Real
Suite 120
Menlo Park, CA 94025

T: +1.650.815.2628
F: +1.650.815.2601
lhirayama@sheppardmullin.com

Lacie Hirayama is a patent agent in the Intellectual Property Practice Group in the firm's Silicon Valley office.

Areas of Practice

Dr. Hirayama assists attorneys in preparing and prosecuting U.S. and foreign patent applications in the chemical, pharmaceutical, medical device and nanotechnology arenas.

She is a graduate of UCSC, where her research was largely directed toward the development of novel asymmetric methodologies for the synthesis of chiral small molecules. In addition, she was a member of a team who focused on the development of an in-vivo fluorescent hydrogel-based glucose-sensing ensemble. Dr. Hirayama's areas of scientific experience include organic, organometallic and polymer chemistry.

Articles

- "Direct Synthesis of B-Allyl and B-Allenyldiisopinocampheylborane Reagents Using Allyl or Propargyl Halides and Indium Metal Under Barbier-Type Conditions," *J. Org. Chem.*, 2012, 77(9), 4342–4353.
- "Indium-Mediated Asymmetric Barbier-Type Propargylations: Additions to Aldehydes and Ketones and Mechanistic Investigation of the Organoindium Reagents," *J. Org. Chem.*, 2012, 77(2), 889-898.
- "Indium-Mediated Asymmetric Barbier-Type Allylations: Additions to Aldehydes and Ketones and Mechanistic Investigation of the Organoindium Reagents," *J. Org. Chem.*, 2010, 75(3), 642-649.
- "Exploring the use of APTS as a fluorescent reporter dye for continuous glucose sensing," *Org. Biomol. Chem.*, 2009, 7, 1461-1470.
- "Asymmetric indium-mediated Barbier-type allylation reactions with ketones to form homoallylic alcohol products," *Tetrahedron Lett.*, 2008, 49(3), 508-511.
- "Boronic acid-based bipyridinium salts as tunable receptors for monosaccharides and-hydroxycarboxylates," *J. Am. Chem. Soc.*, 2007, 129(5), 1278-1286.
- "Asymmetric indium-mediated synthesis of homopropargylic alcohols," *Tetrahedron Lett.*, 2006, 47(29), 5173-5176.
- "Enantioselective alkynylations of aromatic and aliphatic aldehydes catalyzed by terpene derived chiral amino alcohols," *Tetrahedron: Asymm.*, 2005, 16(10), 1829-1835.
- "Indium-mediated Barbier-type allylation of aldehydes as a convenient method for the highly enantioselective synthesis of homoallylic alcohols," *Tetrahedron Lett.*, 2005, 46(13), 2315-2318.

- "A facile and efficient method for the kinetic separation of commercially available cis- and trans-limonene epoxide," *Tetrahedron: Asymm.*, 2002, 13(21), 2359-2363.

Practices

Intellectual Property

Industries

Life Sciences

Education

Ph.D., Organic Chemistry, University of California, Santa Cruz, 2007

B.S., Chemistry, University of California, Santa Cruz, 2002

Admissions

U.S. Patent and Trademark Office