STITES & HARBISON PLLC

Helena M. Lovick Ph.D.
Title: Non-Attorney
Phone:
Location: Alexandria, VA
Email: hlovick@stites.com
Download: vCard

Helena Lovick is a Registered Patent Agent providing clients with patent drafting and prosecution services. Helena has a Ph.D. in chemistry where the focus of her doctoral work was organocatalysis and new reaction development. Her post-doctoral research was directed to stereoselective, organometallic catalysis. Helena has over a decade of experience in the FDA-regulated medical device and tissue banking industry. As a certified tissue banking specialist (CTBS) and research scientist, Helena developed several patented products and methods. In addition to her intellectual property work, Helena's experience includes regulatory filings, experimental design, new product development, and other design control processes.

CAPABILITIES

Practice Areas

- Biotechnology/Life Sciences
- Clinical Research, Clinical Trials & Risk Management
- Intellectual Property & Technology
- Patent Prosecution & Protection

RECENT ASSIGNMENTS

- Schallenberger MA, Lovick HM, Meyer TR, Expandable Bone Grafts and Methods of Manufacture Thereof. U.S. Patent No. 10,821,004. Issued Nov. 3, 2020. Continuation U.S. Patent Application No. 17/088,245. Notice of Allowance, Dec. 13, 2022.
- Lovick HM, Juda G, Meyer TR. Bone Graft Substitute Containing a Temporary Contrast Agent and a Method of Generating such a Method of Use Thereof. U.S. Patent No. 10,806,826. Issued Oct. 20, 2020.
- Cox D, Denty D, Lovick HM. Crosslinkable 3D Printed Biomaterial-Based Implants and Methods of Manufacture Thereof. U.S. Patent No. 10,279,078. Issued May 7, 2019.
- Meyer TM, Lovick HM, Mansfield M, Cox D, Juda G. Shaped Fiber-Based Products and Method of Manufacture Thereof. U.S. Patent No. 10,173,375. Issued Jan. 8, 2019. Divisional U.S. Patent No. 11,446,882. Issued Sept. 20, 2022.
- Lovick HM and Wolfe RA. Shapeable Demineralized Bone Matrix Products and Method of Manufacture Thereof. U.S. Patent Application No. 17/138,284. Filed Dec. 20, 2020.
- Lovick HM. Growth Factor Concentrate and Method of Manufacture Thereof. U.S. Patent Application No. 17/138,261. Filed Dec. 30, 2020.
- Cox D, Denty D, Lovick HM. Methods of Manufacturing Crosslinkable 3D printed Biomaterial-based Implants. U.S. Patent No. 11,602,580. Issued Mar. 14, 2023.
- Lovick HM. Hydration Media for Biological Tissue Products, Methods of Making the Same and Methods of Using. U.S. Patent No. 11,570,981. Issued Feb. 7, 2023.

BAR ADMISSIONS

- United States Patent and Trademark Office

RECENT NEWS, ARTICLES & SPEAKING ENGAGEMENTS

- The Effect of Temperature Exposure during Shipment on a Commercially Available Demineralized Bone Matrix Putty
  co-author with M. Schallenberger, J. Locke, T. Meyer and G. Juda, *Cell Tissue Bank*, 17-677-687, 2016

- Comparison of the Ostegenic Potential of OsteoSelect Demineralized Bone Matrix Putty to MovaBone Calcium-Phosphosilicate Synthetic Putty in a Cranial Defect Model
  co-author with Schallenberger MA., Rossmeier K., Meyer TR., Juda GA., *J. Craniomaxillofac Surg.*, 25-657-661, 2014

- N,N'-Dibenzosuberyl-1,1-binaphthyl-2,2'-diame
  A Highly Effective Supporting Ligand for the Enantioselective Cyclization of Aminoalkenes Catalyzed by Chelating Diamide Complexes of La(III), Huynh K., Livinghouse T., *Synlett*, 25, 1721-1724, 2014

- Computational Design of Enone-Binding Proteins with Catalytic Activity for the Moria-Baylis-Hillman Reaction
  co-author with Bjelic S., Nivon LG., Celebi-Olcum N., Kiss G., Rosewall CF., Ingalls EL., Gallaher JL., Seetharaman J., Lew S., Montelione GT., Hunt JF., Michael FE., Houk KN., Baker D., *ACS Chem Biol.,* 8, 749-757, 2013

- Donor Ligand Effects in Group 3 Metal-Catalyzed Hydroaminations
  co-author with Smith AR. and Livinghouse T., *Tetrahedron Lett*., 53, 6358-6360, 2012

- Strutucture-Activity Relationships in Group 3 Metal Catalysts for Asymmetric Intramolecular Alkene Hydroamination: An Investigation of Ligands Based on the Axially Chiral 1,1'-Binaphthyl-2,2'-diamine
  co-author with An DK., Livinghouse T., *Dalton Trans.*, 40, 7697-7700, 2011

- On the Steroselective Bicyclization of Aminodienes Catalyzed by Chelating Diamide Complexes of the Group 3 Metals. A Direct Comparison of Sc(III) and Y(III) Bis(amide)s with an Application to the Synthese of Alkaloid
  co-author with Jiang T. Livinghouse, 195 *F. Chem Commun.*, 47, 12861-12863, 2011

- Metal-Free Highly Regioselective Aminotrifluoroacetoxylation of Alkenes
  co-author with Michael FE., *J. Am. Chem. Soc.*, 132, 1249-1252, 2010

- Computational Design of an Enzyme Catalyst for a Steroselective Bimolecular Diels-Alder Reaction
  co-author with Siegal JB., Zanghellini A., Kiss G., Lambert AR., St. Clair JL., Gallaher JL., Hilvert D., Gelb MH., Stoddard B., Houk KN., Michael FE. and Baker D., *Science*, 329, 309-313, 2010
- Reversal of Enantioselectivity Using Tethered Bisguanidine Catalysts in the Aza-Henry Reaction
  co-author with Michael FE., *Tetrahedron Lett.*, 50, 1016-1019, 2009

MEMBERSHIPS

- Intellectual Property Owners Association (IPO) , Member
- American Chemical Society , Member
- American Intellectual Property Law Association (AIPLA) , Member

EDUCATION

University of Washington - Seattle Ph.D., Chemistry 2009

- Teaching Assistant: Organic Chemistry (2004-09)

Montana State University - Bozeman B.S., Chemistry 2004

MORE THAN STITES & HARBISON

Before becoming a patent agent, Helena worked as a research scientist in the medical device and tissue banking field. As a research scientist, Helena developed a range of technology and is a named inventor on multiple patents.

*Non-Attorney

LANGUAGES

French (basic proficiency)

*Non-Attorney