



Jonathan M. Hartley, PhD

Patent Agent

Jonathan applies his multifaceted technical expertise to help you identify and protect your inventions related to small molecule pharmaceuticals and macromolecular conjugates

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Admissions

US Patent and Trademark Office

Education

University of Utah,
PhD, Bioengineering,
2016

Brigham Young University,
MS, Chemical Engineering,
2011

Brigham Young University,
BS, Chemical Engineering,
2009

Jonathan M. Hartley, PhD, focuses his practice on patent drafting and prosecution across a broad range of life science technologies. He has experience drafting and prosecuting applications related to small molecule pharmaceuticals, peptides, proteins, and methods of treatment. He has assisted in patent portfolio due diligence, freedom-to-operate analysis, third-party submissions, and invalidity analysis.

Jon conducted his doctoral work in the lab of Dr. Jindřich Henry Kopeček, a pioneer in the development of hydrogels and polymer-drug conjugates. Jon studied the effect of polymer conjugate architecture on CD20 membrane distribution using super-resolution microscopy techniques. He has experience developing liposomes; conjugating peptides and oligonucleotides to poly(N-(2-hydroxypropyl)methacrylamide) (HPMA); designing and synthesizing RAFT agents; and producing, purifying, and characterizing monoclonal antibodies for therapeutic applications. Jon was a Ruth L. Kirschstein National Research Service Award (NRSA) Predoctoral Fellow and Whitaker International Summer Award recipient.

Prior to joining McNeill Baur PLLC, Jon spent two years as a patent agent at Barnes & Thornburg, LLP and over 3 years as patent agent at Brinks Gilson & Lione.

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Selected Publications

“Tracking and quantifying polymer therapeutic distribution on a cellular level using 3D dSTORM,” *Journal of Controlled Release* 231: 50-59 (2016) (coauthor).

“Smart polymer-based nanomedicines,” in *Smart Pharmaceutical Nanocarriers*, Chapter 11, 373-413 (2016) (coauthor).

“Super-resolution imaging and quantitative analysis of membrane protein/lipid raft clustering mediated by cell surface self-assembly of hybrid nanoconjugates,” *ChemBioChem* 16(12): 1725-1729 (2015) (coauthor).

“Multimodality imaging of coiled-coil mediated self-assembly in a “drug-free” therapeutic system,” *Advanced Healthcare Materials* 4(7): 1054-1065 (2015) (coauthor).

“Immunogenicity of coiled-coil based drug-free macromolecular therapeutics,” *Biomaterials* 35(22): 5886-5896 (2014) (coauthor).

“Ultrasonic gene and drug delivery using eLiposomes,” *Journal of Controlled Release* 167 (1): 92-100 (2013) (coauthor).

“Encapsulating nanoemulsions inside eLiposomes for ultrasonic drug delivery,” *Langmuir* 28 (41): 14720–14729 (2012) (coauthor).

“Preliminary results of combining ultrasound and liposomal drug delivery to treat tumors in rats,” *Journal of Nanoscience and Nanotechnology* 11: 1866-1870 (2011) (coauthor).