



Luke A. Henderson, Ph.D. (Non-attorney)

Patent Agent
luke.henderson@dinsmore.com

Cincinnati, OH
Tel: (513) 977-8346

Luke is a patent agent with a background in chemistry who assists clients with patent preparation and prosecution. His experience includes extensive work in nanomaterials, drug delivery, and technology transfer.

He earned his M.A. and Ph.D in Chemistry from Rice University where his research focused on the synthesis and characterization of multi-layered nanomaterials for enhanced biomedical imaging, therapy, and catalysis. Additionally, he interned at the Office of Technology Transfer where he drafted patentability opinions and pursued licensing opportunities.

Luke received his B.S. in Chemistry from Auburn University, where his research focused on the synthesis and characterization of small molecule models to study the optic nerve impulse of the visual system.

Services

- Intellectual Property
- Patent Procurement & Management

Education

- Rice University (Ph.D., 2021)
 - Chemistry
- Rice University (M.A., 2017)
 - Chemistry
- Auburn University (B.S., *summa cum laude*, 2015)
 - Chemistry

Publications

January 2020

Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts
Nature Energy

October 5, 2018

Quantifying hot carrier and thermal contributions in plasmonic photocatalysis
Science

August 8, 2018

Routes to Potentially Safer T1 Magnetic Resonance Imaging Contrast in a Compact Plasmonic Nanoparticle with Enhanced Fluorescence
ACS Nano

November 21, 2017

Near-infrared remotely triggered drug-release strategies for cancer treatment
PNAS

July 3, 2017

Enhancing T1 magnetic resonance imaging contrast with internalized gadolinium (III) in a multilayer nanoparticle
PNAS

May 1, 2016

Photosensitizer-loaded gold nanorods for near infrared photodynamic and photothermal cancer therapy
J. Colloid Interface Sci.