

## Nathan A. Bair, Ph.D.

Patent Agent

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### EDUCATION

Ph.D., Organic Chemistry, Colorado State University

M.S., Inorganic Chemistry, Brigham Young University

B.S., Chemistry, Brigham Young University

### BAR ADMISSIONS

U.S. Patent and Trademark Office

### PRACTICE AREAS

Corporate & Investment Diligence  
Licensing & Transactions

Patent Opinions

Patent Prosecution

Strategic Counseling

Trade Secrets

Trademarks

### TECHNOLOGIES

Chemistry & Materials Science

Industrial Devices

Life Sciences

Medical Devices & Diagnostics

### OVERVIEW

Nathan's work involves the drafting and prosecution of patent applications, primarily in the field of chemistry.

As an undergraduate, Nathan began research focused on the construction of a novel organophotovoltaic cell design employing a hybrid inorganic-organic-nanoparticle (CdSe) core. As a M.S. candidate, he went on to test excited electron lifetimes in the CdSe nanoparticles using time-correlated single photon counting.

Nathan transitioned to the interface of organic synthesis and chemical biology during his Ph.D. and postdoctoral research. He contributed to the elucidation of the biosynthesis of the hapalindole core, the enzymatic synthesis of non-natural hapalindole analogues, and improved on previous methods for synthesizing isonitrile-containing hapalindole molecules. He then helped establish a new project focused on the synthesis and testing of small molecules as PKC- $\delta$  inhibitors.

Nathan's varied experience and interests – from photovoltaic cells to small molecule drug targets and enzymatic assays – led him to pursue a career where he can be involved in the strategic and legal development of a range of scientific advancements.

### EXPERIENCE

#### Select Awards & Honors:

- Rodney Bush Fellowship in Organic Chemistry, 2011
- Kenneth W. Brighton Scholarship, 2007 – 2008
- Undergraduate Research Award, 2006 – 2008