



Adam S. Zeiger PhD

Associate

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Adam Zeiger assists the firm in patent prosecution in areas related to chemistry and materials science, including polymer chemistry, material mechanics, surface science, tissue engineering, biomaterials, biomedical engineering and biochemistry.

Prior to joining Wolf Greenfield, Adam completed his doctoral research at MIT, receiving his doctorate degree in Materials Science and Engineering in the Program for Polymer Science and Technology under the supervision of Professor Krystyn J. Van Vliet.

Adam's doctoral research fell at the intersection of biology and materials engineering and the molecular-scale interfaces between tissues and materials. Adam used surface and polymer chemistry to develop novel tools for the study of mechanical and chemical signals implicated in the formation of new blood vessels and scar tissue. Additionally, his research included the discovery of self-assembly mitigation techniques for liquid crystal forming biological fibers.

As part of his doctoral work, Adam researched the macro- and molecular-scale interfaces between adhesives and surfaces (including adhesive-polymer and adhesive-tissue interfaces). Adam also utilized numerous atomic and molecular scale techniques for the characterization of novel thin polymeric films and biodegradable polymers, as well as for chemical functionalization of antibodies and proteins to surfaces.

Experience

- Assisted with performing patent landscape projects including patent literature searches, patentability analysis, and freedom to operate studies.
- Participated in discussions with research scientists, professors, inventors, and in-house counsel regarding invention disclosures

Education

Drexel University, BSc,
Mechanical Engineering

Massachusetts Institute
of Technology, PhD,
Materials Science and
Engineering

Suffolk University Law
School, JD

Practice Groups

Chemical & Materials
Technologies

and assisted in preparation of related patent applications.

- Supported and contributed to development of prosecution strategies and preparing responses to office actions.

Recognition

- GEN TEN Award for Outstanding Research
- National Defense Science and Engineering Graduate Fellow

Interests

Adam holds a 2nd degree black belt in kenpo karate.