




Erin B. Knight, Ph.D.

Senior Patent Agent

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Overview

About Erin

Erin Knight is a Senior Patent Agent in the Austin office of Fish & Richardson, where she has been a member of the firm's legal team since 2011. Dr. Knight's practice includes patent prosecution, patent portfolio development and management, freedom to operate analysis, patent landscape analysis, due diligence, and novelty searching and patentability analysis. Dr. Knight practices primarily in the mechanical arts and has extensive experience in the sectors of medical devices, high-tech manufacturing, energy, automated agriculture, and consumer products. Dr. Knight also recruits regularly for the patent prosecution group of the legal team and mentors junior members of the patent prosecution group. Dr. Knight further supports diversity initiatives and women's initiatives, both within and external to the firm.

Prior to joining Fish & Richardson, Dr. Knight earned a doctorate in Biomedical Engineering from The University of Texas at Austin, where she performed research to examine relationships among the cellular mechanical environment, cellular movement, and disease progression in cancer. Dr. Knight's research was interdisciplinary in nature and incorporated various aspects of mechanical engineering, cell culture, microscopy, and computational algorithms. Dr. Knight also has previous experience as a language editor of technical manuscripts for American Journal Experts, as a manufacturing engineer at Applied Materials, and as a product engineering intern at General Motors.

Focus Areas

Services

- Patent
- Opinions and Strategic Counseling
- Patent Acquisition and Due Diligence
- Patent Portfolio Management
- Patent Prosecution

Industries

- Academic Research and Medical Centers
- Cleantech
- Consumer Products
- Energy and Petrochemical
- Manufacturing
- Medical Devices
- Nanotechnology

Education

Ph.D., Biomedical Engineering, University of Texas at Austin (2010)

Certificate, Graduate Portfolio Program in Cellular and Molecular Imaging for Diagnostics and Therapeutics (2010)

Certificate, Graduate Portfolio Program in Nanoscience and Nanotechnology (2010)

M.S.E., Biomedical Engineering, University of Michigan (2002)

B.S.E., Mechanical Engineering, University of Michigan (2001)

Dean's Honor List

Insights

Selected Publications

**Previously Erin L. Baker*

T.G. Mahn and E.L. Baker. "Patent infringement at the ITC: implications for brand-name drug companies." *Pharmaceutical Compliance Monitor*. 09/22/2015.

T.G. Mahn and E.L. Baker. "The efficiency of bringing drugs to market versus the fairness of making drugs accessible." *Pharmaceutical Compliance Monitor*. 10/07/2014.

T.G. Mahn and E.L. Baker. "Is the safe harbor too safe for certain biologic patents?" *Pharmaceutical Compliance Monitor*. 08/16/2013.

T.A. Reiter, E.L. Baker, and J.P. Fasse. "The America Invents Act and its importance to patent prosecution in the biotech sector." *Industrial Biotechnology*. 04/13/2012.

E.L. Baker, J. Srivastava, D. Yu, R.T. Bonnecaze, and M.H. Zaman. "Cancer cell motility: integrated roles of matrix mechanics and transforming potential." *PLOS ONE*. 05/27/2011. ***

E.L. Baker, J. Lu, D. Yu, R.T. Bonnecaze, and M.H. Zaman. "Cancer cell stiffness: integrated roles of 3-dimensional matrix stiffness and transforming potential." *Biophysical Journal*. 10/06/2010.

E.L. Baker and M.H. Zaman. "The biomechanical integrin." *Journal of Biomechanics*. 01/05/2010.

E.L. Baker, R.T. Bonnecaze, and M.H. Zaman. "Extracellular matrix stiffness and architecture govern intracellular rheology in cancer." *Biophysical Journal*. 08/19/2009.

E.L. Baker, R.G. Dennis, and L.M. Larkin. "Glucose transporter content and glucose uptake in skeletal muscle constructs engineered in vitro." *In Vitro Cellular & Developmental Biology-Animal*. 11/01/2003.

Recognition

Written feature in "Influential Blacks in Tech" article, September 2019 issue of *Austin Black Business Journal & Community News Magazine*. 09/2019.

Video feature in *Fish & Richardson P.C.*'s "EMPOWER Series with Women Who Lead." 06/2018.

Making a Difference Alumni Award for mentoring junior STEM professionals and STEM undergraduate and graduate students, University of Michigan Black Alumni Association. 10/2017.

Written feature in "Rising Stars" issue of *Diversity & the Bar Magazine*. 06/2017.

Designation of “Top 25% Most Cited Articles” for 2011 article published in *PLOS ONE*, a publication of *Public Library of Science* (see publication denoted with *** under the Insights tab). 06/2017.

UNCF/Merck Graduate Science Research Dissertation Fellowship. 09/2009.

Austin Association of University Women Doctoral Fellowship. 09/2009.

P.E.O. Scholar Award Doctoral Fellowship. 09/2009.

National Science Foundation – Integrative Graduate Education and Research Trainee Fellowship. 09/2006.

The University of Texas Thrust Endowed Fellowship in Engineering. 09/2006.

Honorary Engineering Scholarship, University of Michigan College of Engineering. 09/1997.