



Aaron S. Chaloner Ph.D.

Associate

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Aaron Chaloner Ph.D. is an associate in Baker Donelson's Nashville office and a member of the Intellectual Property Group.

Dr. Chaloner concentrates his practice in intellectual property law. He guides clients of all sizes through all stages of IP prosecution, and is highly skilled at navigating copyright, trademark, patent, and trade secret concerns. Dr. Chaloner also assists clients with intellectual property agreements, intellectual property due diligence, and intellectual property licensing concerns. His experience spans a breadth of industries including life sciences and biotechnology, with a particular focus on patent prosecution.

Dr. Chaloner's technical skills include physiology, neuroscience, epigenetics, neuroendocrine signaling, behavioral sciences, whole animal studies, surgical procedures, and biochemistry. He is the author of multiple publications and has presented his research at national and international scientific meetings.



Representative Matters

- Represented a building materials entity in various *inter partes* review proceedings before the Patent Trial and Appeal Board of the USPTO.
- Prosecuted international patents in life sciences and biomedical devices.
- Prosecuted design patents and international patents related to mechanical devices and computer-implemented business methods.



Professional Honors & Activities

- Listed in *Best Lawyers: Ones to Watch® in America* for Intellectual Property Law (2021 – 2025)
- Selected to Mid-South Rising Stars (2020 – 2024)
- Member – Nashville Bar Association
- Member – Tennessee Bar Association
- Member – Tennessee Intellectual Property Law Association
- Member – Association of University Technology Managers
- Member – Life Science Tennessee



Representative Technologies

Life Sciences and Biomedical Devices and Technology

- Cancer Prognostics, Diagnostics, and Treatment
- Vaccine Compositions
- Surgical Devices and Methods of Use
- Neural Microphysiological Systems and Methods
- 3D Microelectrode Array for Optical and Electrical Probing of Electrogenic Cells
- Method of High-Throughput Screening of Therapeutics
- Diagnostic Panel for Gynecological Infections and Associated Methodology
- Device for Lingual-Guided Manipulation of External Objects and Displays
- Wound Healing Device
- Orthotic Sensing Service and Associated System for Tracking Health Data
- Assay and Methodology for Detecting Viral Load in Plasma Samples

- Pyruvate Kinase-Mediated System to Promote Cellular Regeneration
- Electrochemical Sensors to Detect the Bioavailable Drug Concentrations

Electrical/Mechanical/Material Science

- Hydrophobic Barriers for Building Panels
- Systems and Methods for Silicon Purification
- Fluid-Applied Barrier Compositions
- Helical Hydrokinetic Turbine
- Bioluminescence Polymer Film for Thermometry
- Self-Cleaning Litter Box
- Automatic Pet Door
- Pet Spray Training System
- Pet Flow-Controlled Water Fountain
- Pet Wheelchair
- Chemical Additive for Fiber-Based Packaging
- Interface Binding Layer for Building Panels
- Adsorbent Geopolymer Substrates
- Compact Folding Stroller
- Table-Top Game Apparatus
- Wearable Digital Device Holder
- Electronic Wire-Stripping Device
- 3-D Multi-Camera Measuring System
- Refined Glass and Metal Waste Recovery
- Microscopy Illumination System

Computer-Implemented Business Methods

- Legal Project Management System
- Rental Car Fleet Sharing Method

Design Patents

- Medical Devices
- Pet Products
- Sporting Equipment and Toys



Publications

- "A Step Towards Uniformity and Stronger Patent Protection Through Consistent Claim Construction," *IAM Weekly International Report* (December 2018)
- "Practice Note: Avoid Multiple Embodiments in Design Patent Applications," *IAM Weekly International Reports* (April 2018)
- "Federal Circuit Hinders Ability of Pharmaceutical Companies to Claim Broad Antibody Classes," *IAM Weekly International Reports* (December 2017)
- "Litigation Misconduct During Patent Infringement Lawsuit Can Result in Invalidation," *IAM Weekly International Reports* (August 2017)
- "Federal Circuit Unambiguously Endorses References to Patent Drawings as 'Exemplary Embodiments'," *IAM Weekly International Reports* (May 2017)
- "Trademarks and Judge Neil Gorsuch: A Heated Tale of Chilli Peppers and Agency Regulation," *IAM Weekly International Reports* (March 2017)
- "Drug Manufacturers Cannot Avoid Infringement by Dividing Method Between Physicians and Patients," *IAM Weekly International Reports* (February 2017)

- "Prosecution History Estoppel May Restrict Construction of More Than Just Amended Patent Claims," *IAM Weekly International Reports* (November 2016)
- "Sexually Dimorphic Effects of Unpredictable Early Life Adversity on Visceral Sensitivity in a Rodent Model," *Journal of Pain*, Volume 14, Issue 3, pages 270-80 (2013)
- "Genetic Diversity Contributes to Abnormalities in Pain Behaviors Between Young and Old Rats," *Age*, Volume 35, Issue 1, pages 1-10 (2013)
- "Epigenetic Mechanisms of Chronic Stress-induced Visceral Pain," *Psychoneuroendocrinology*, Volume 38, Issue 6, pages 898-906 (2013)
- "Early Life Adversity as a Risk Factor for Visceral Pain in Later Life: Importance of Sex Differences," *Frontiers of Neuroendocrine Science*, doi: 10.3389/fnins.2013.00013 (2013)



Speaking Engagements

- "Tenth Annual Tennessee Hospitality & Tourism Association Law Symposium" (August 2021)
- "LST|CON" (November 2017)
- "Early Life Adversity and Life-long Visceral Pain," Experimental Biology Annual Meeting - President's Symposium, Boston, Massachusetts (2013)
- "Sexually Dimorphic Effects of Unpredictable Early Life Adversity on Visceral Pain in a Rodent Model: Importance of Estradiol," Joint International Neurogastroenterology and Motility Meeting, Bologna, Italy (2012)
- "Visceral Hypersensitivity Following Unpredictable Early Life Trauma Persists Throughout Life in a Rodent Model," Annual Meeting of the Society for Neuroscience, Washington, D.C. (2011)
- "Persistent Effects of Early Life Adverse Experience on Visceral Pain Behavior," 20th Anniversary Oklahoma Center for Neuroscience Symposium (2011)
- "Epigenetic Mechanisms of Chronic Stress-Induced Visceral Pain," 16th Neurogastroenterology & Motility Scientific Meeting, St. Louis, Missouri (2011)



Education

- Oklahoma City University School of Law, J.D., 2016, magna cum laude
 - Member, *Oklahoma City University Law Review*
- University of Oklahoma Health Sciences Center, Ph.D. in Neuroscience, 2012
- Baylor University, B.S., 2006



Admissions

- Tennessee, 2016
- U.S. Patent and Trademark Office, 2015
- U.S. District Court for the Middle, Eastern, and Western Districts of Tennessee, 2016