



William

**William A. Holtz Ph.D.
Partner**

wholtz@thompsoncoburn.com

St. Louis

D - (314) 552-6512

MY SERVICES

Intellectual Property

Cannabis

Life Sciences & Biotechnology

EDUCATION

Washington University in St. Louis, J.D., 2007

Washington University in St. Louis, Ph.D., Molecular Cell Biology, 2004

University of Missouri-Columbia, B.S., Biochemistry, 1997

ADMISSIONS

Illinois

Missouri

United States Patent and Trademark Office

My focus on the area of biotech intellectual property allows me to combine my knowledge of science and the law to help innovators protect their vital work.

overview

Wil Holtz applies his extensive scientific and legal experience to counsel clients seeking patent protection for biotechnology and pharmaceutical innovations. With a PhD in cellular and molecular biology on top of his law degree, Wil brings the knowledge needed to understand the goals and concerns of scientific innovators seeking intellectual property protection.

His experience as a former research scientist for a major biotechnology company also lends a unique familiarity with the complex nature of his clients' work. He pairs that with legal insights to solve issues related to protecting their innovations. Wil particularly enjoys interacting with researchers.

In the preparation and prosecution of biotechnology and pharmaceutical patent applications, Wil draws on his experience with molecular cloning, DNA and RNA purification, cell culture, immunohistochemistry, protein expression, protein purification, quantitative PCR, gene array analysis, and microscopy.

As a doctoral candidate, he studied molecular mechanisms of cell death in a model of Parkinson's disease. He has published in peer-reviewed scientific journals including the Journal of Biological Chemistry, Journal of Neurochemistry, Neurobiology of Disease, and Antioxidants & Redox Signaling.

affiliations

- Bar Association of Metropolitan St. Louis, Vice Chair, Patent, Trademark & Copyright Section, 2017- 2018
- Missouri Asian-American Bar Association

recognitions

- Included in "Missouri & Kansas Super Lawyers" Rising Stars list, (by Thomson Reuters) 2015-2017

publications

- **"Oxidative Stress-Triggered Unfolded Protein Response is Upstream of Intrinsic Cell Death Evoked by Parkinsonian Mimetics,"** Holtz WA, Turetzky JM, Jong YJ, O'Malley KL
J Neurochem.; 99(1):54-69, 2006 Oct
- **"Microarray Expression Profiling Identifies Early Signaling Transcripts Associated with 6-OHDA-Induced Dopaminergic Cell Death,"** Holtz WA, Turetzky JM, O'Malley KL
Antioxid Redox Signal.; 7(5-6):639-48, 2005 May-Jun
- **"Parkinsonian Mimetics Induce Aspects of Unfolded Protein Response in Death of Dopaminergic Neurons,"** Holtz WA, O'Malley KL
J Biol Chem. 2003 May 23;278(21):19367-77, Epub 2003 Feb 21
- **"Role of Oxidative Stress and the Unfolded Protein Response in 6-OHDA-Mediated Dopaminergic Cell Death,"** Program No. 451.4, Holtz WA, O'Malley KL
2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience. Online, 2003

in my free time

I enjoy spending my free time with my wife and daughter as well as cooking (and watching cooking shows), following Formula One racing, and planning, planting, and maintaining our native plant garden.