



Wil Holtz, Ph.D.

Partner

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PRACTICES

- Intellectual Property
- Patent Prosecution
- Pharmaceutical and Medical Device Litigation

EDUCATION

- Washington University in St. Louis, J.D., 2007, Ph.D., Molecular Cell Biology, 2004
- University of Missouri-Columbia, B.S., Biochemistry, 1997

ADMISSIONS

- Illinois
- Missouri
- U.S. Patent and Trademark Office

AFFILIATIONS

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

EMPLOYMENT

- Thompson Coburn LLP Partner, 2018-Present Associate, 2007-2017 Summer Associate, 2006
- Monsanto Company Summer Legal Intern, 2005 Research Scientist, 1997-1998

Wil has a PhD in cellular and molecular biology and experience as research scientist working for a major biotechnology company.

As a doctoral candidate, he studied molecular mechanisms of cell death in a model of Parkinson's disease. He now assists clients seeking patent protection for biotechnology and pharmaceutical innovations. Having earned both his JD and PhD from Washington University, Wil has developed a deep understanding of the needs, goals, and concerns of his clients, and has the scientific foundation to understand the complex nature of their work as well as their legal issues.

Wil has published in peer reviewed scientific journals such as *Journal of Biological Chemistry*, *Journal of Neurochemistry*, *Neurobiology of Disease*, and *Antioxidants & Redox Signaling*. He uses his extensive experience in molecular cloning, DNA and RNA purification, cell culture, immunohistochemistry, protein expression, protein purification, quantitative PCR, gene array analysis, and microscopy in the preparation and prosecution of biotechnology and pharmaceutical patent applications.

Recognitions

- Included in "Missouri & Kansas Super Lawyers" Rising Stars list, 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