

James M. Schleicher, Ph.D.

Partner

James Schleicher, Ph.D., is a member of the firm's Intellectual Property Practice Group. Dr. Schleicher is a patent practitioner who has successfully guided numerous U.S. patent applications to allowance and has advised on patent validity, infringement, freedom-to-operate, invention patentability, and technology landscape. He is fluent across a broad spectrum of technologies and is highly specialized in spectroscopy, optics, and semiconductors. Dr. Schleicher has successfully represented a wide variety of clients, ranging from Fortune 500 companies to individual inventors, on patent-related matters.

He has strong knowledge in a broad range of technologies:

- spectroscopy (fluorescence, Raman, surface-enhanced Raman, MRI, NMR),
- optical systems (lasers, optics),
- semiconductors,
- semiconductor methods (fabrication, vapor deposition, etching),
- semiconductor devices (p-n junctions, diodes, HFETs, VDP sensors, Hall sensors, MOSFETs, solar cells),
- nanotechnology fabrication and applications,
- assay/diagnostic systems and methods (lab-on-chip technologies, microarrays, microfluidics, immunology-based and fluorescence-based detection),
- energy generation (solar power generation, gasification processes – including use of biomass),
- chemicals (cleaning, printing, cosmetics, food applications),
- polymers (emulsion polymer systems, dendrimers),
- pharmaceuticals,
- ultrasound systems and methods (therapeutic, imaging, phantoms).

Legal Services

- [Intellectual Property Strategic Counseling](#)
- [Patent Prosecution](#)
- [Technology Transfer](#)

Education and Honors

- University of Michigan Law School (J.D., 2011)
 - Dean's Scholarship
- Yale University (Ph.D., 2008)
 - Major: Physical Chemistry
 - Richard Wolfgang Prize for Best Thesis in Department of




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- Chemistry
 - Thesis: “Terahertz Emission Spectroscopy of Gallium Arsenide and Thin Magnetic Films”
 - Yale University (M.S., 2003)
 - Major: Biophysical Chemistry
 - Michigan State University (B.S., *with honors*, 2002)
 - Major: Chemistry

Bar Admissions

- Wisconsin

Court Admissions

- U.S. Patent and Trademark Office