

Emily K. Lehrman, Ph.D.

Technology Specialist

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EDUCATION

Ph.D., Neuroscience, Harvard University
B.S. *with honors and distinction*,
Biological Sciences, Stanford University

PRACTICE AREAS

Corporate & Investment Diligence
Licensing & Transactions
Patent Opinions
Patent Prosecution
Strategic Counseling
Trade Secrets
Trademarks

TECHNOLOGIES

Chemistry & Materials Science
Industrial Devices
Life Sciences
Medical Devices & Diagnostics

OVERVIEW

Emily leverages her strong background in neuroscience to help clients develop patent portfolios related to therapeutics and diagnostics. She works with a variety of early-stage and established biotechnology companies on the drafting and prosecution of patent applications. Emily also assists with the evaluation of client and competitor portfolios to prepare patent opinions.

During her graduate studies, Emily focused on neuron-glia and neuroimmune interactions in brain development. She employed high-resolution imaging, anatomical tracing, primary cell culture, and mouse genetics to investigate the role of innate immune molecules in microglia-mediated synaptic pruning in the developing visual system. Emily:

- Investigated the role of microglia in synaptic remodeling during brain development
- Developed methods to visualize and quantify in vivo phagocytosis of synaptic material
- Characterized the expression and function of innate immune molecules in the developing brain
- Analyzed the localization of immune molecules in tissue from patients with Alzheimer's disease

Emily has co-authored original research and review articles in peer-reviewed journals such as *Neuron*, *Nature Neuroscience*, and *Cell*.

EXPERIENCE

Honors:

- Firestone Medal, Stanford University

Affiliations:

- Editor, Harvard Science in the News *Flash*
- Member, Society for Neuroscience