FOLEY & LARDNER LLP

# Luke A. Gallion

## Associate

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Luke Gallion, Ph.D., brings a strong foundation in science and the law to his role in helping life sciences companies safeguard and capitalize on their valuable innovations.

Prior to attending law school, Luke earned his doctorate in analytical chemistry, where his research included analytical instrumentation development, microfluidic devices, microscopy, fluorescence detection, and design of enzyme activity reporters.

During law school, Luke gained hands-on experience through internships and externships with top law firms and the intellectual property legal department of a major American pharmaceutical company. His work focused on securing patent protection for a wide range of U.S. and global pharmaceutical products through U.S. and international patent prosecution, advising research scientists on freedom-to-operate issues based on competitor patent landscapes, and counseling clients on patentability.

Luke is a member of the firm's Chemical, Biotechnology & Pharmaceutical Practice Group. He previously served as a summer associate for two summers.

## Dissertation

- "Improving the Accessibility of Chemical Cytometry Assays for the Investigation of Sphingosine Kinase Activity in Single Cells", 2021

## Peer-Reviewed Publications

- Co-author, "Fix and Click' for Assay of Sphingolipid Signaling in Single Primary Human Intestinal Epithelial Cells," 2022, 94 (3), 1594-1600
- Co-author, "Quantifying Enzyme Activity and Gene Expression within Single-Cells using a Multiplexed Capillary Electrophoresis Platform. In: Single Cell 'Omics' of Neurons," *Springer Nature, Inc.* 2021

- Co-author, "Silicon Photomultipliers as a Low-Cost Fluorescence Detector for Capillary Electrophoresis ," 2020, 92 (20), 13683-13687
- Co-author, "Preserving Single Cells in Space and Time for Analytical Assays," *TrAC Trends in Analytical Chemistry* 2020, 122, 115723
- Co-author, "Chapter Ten – Design of an Automated Capillary Electrophoresis Platform for Single-Cell Analysis," *Methods in Enzymology*; Allbritton, N. L., Kovarik, M. L., Eds.; Enzyme Activity in Single Cells; Academic Press, 2019; Vol. 628, 191-221
- Co-author, "Demonstrating the Importance of Cleanliness and Safety in an Undergraduate Teaching Laboratory," *Journal of Chemical Health and Safety* 2015, 22 (5), 28-31

## Practice Areas

- Chemical, Biotechnology & Pharmaceutical
- Protected: Intellectual Property ZH-CN

## Education

- - Washington University School of Law (J.D., cum laude, 2024)
    - Dean's list (four semesters)
    - Recipient, Excellence in Oral Advocacy Award
    - Student attorney, Intellectual Property Law Clinic (Fall 2024)
    - Community outreach coordinator, Intellectual Property Law Society
  - University of North Carolina, Chapel Hill (Ph.D., 2021)
    - Analytical chemistry
    - Predoctoral fellow, National Institutes of Health
    - Recipient, Eli Lilly "Making Medicines: The Process of Drug Development" certificate
  - Butler University (B.S., summa cum laude, 2016)
    - Chemistry with American Chemical Society certification and highest honors
    - Dean's list (seven semesters)
    - Completion of Honors Program
    - Goldwater scholar; National Science Foundation REU scholar
    - Member, Phi Beta Kappa Honor Society
    - Member, Phi Kappa Phi Honor Society

## Admissions

- Wisconsin
- U.S. Patent and Trademark Office