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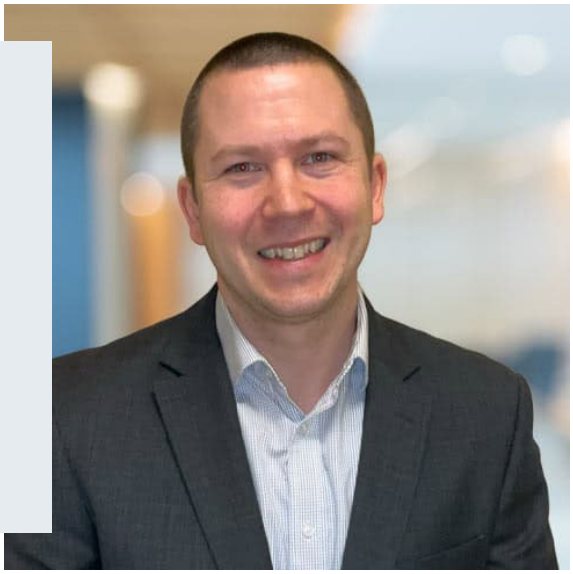

Nathan R. Martin

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Nathan Martin, Ph.D., leverages his extensive knowledge of pathobiology, developmental neurogenetics, and neurotoxicology to help guide health and life sciences clients through the complexities of patent law. He provides technical insight and support throughout the patent prosecution process.

Nathan collaborates closely with attorneys, inventors, and clients to prepare patent applications, conduct prior art research through primary literature and patent searches, and review patent application procedures. His areas of experience include immunology, developmental biology, toxicology, and neuroscience. He is a member of the firm's Chemical, Biotechnology & Pharmaceutical Practice.

Before joining Foley, Nathan worked as a technology specialist at an intellectual property boutique law firm, where he focused on biotechnology patent prosecution.

Presentations and Publications

- Co-author, "Assessing CaMPARI as new approach methodology for evaluating Neurotoxicity," *NeuroToxicology,* 97, 109-119 (2023)
- Co-author, "Environmentally relevant uptake, elimination, and metabolic changes following early embryonic exposure to 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin in zebrafish," *Chemosphere*, 310, 136723 (2023)
- Co-author, "Proper modulation of AHR signaling is necessary for establishing neural connectivity and oligodendrocyte precursor cell development in the embryonic fish brain," *Frontiers in Molecular Neuroscience*, 15, 1032302 (2022)
- Co-author, "Evaluation of neural regulation and microglial responses to brain injury in larval zebrafish exposed to perfluorooctane sulfonate," *bioRxiv*, 2022-09 (2022)
- Co-author, "2, 3, 7, 8-Tetrachlorodibenzo-*p*-dioxin disrupts development of the visceral and ocular vasculature," *Aquatic Toxicology*, 234 (105786), 1-12 (2021)

- Co-author, “Advancing zebrafish as a model for studying developmental neurotoxicology,” *Journal of Neuroscience Research*, 98(6), 981-983 (2020)
- Co-author, “Characterization and comparison of oxidative potential of real-world biodiesel and petroleum diesel particulate matter emitted from a nonroad heavy duty diesel engine,” *Science of the Total Environment*, 655, 908-914 (2019)
- Co-author, “sox9b is required in cardiomyocytes for cardiac morphogenesis and function,” *Scientific reports*, 8(1), 13906 (2018)
- Co-author, “Effect of biodiesel fuel on ‘real-world,’ nonroad heavy duty diesel engine particulate matter emissions, composition and cytotoxicity,” *Science of the Total Environment*, 586, 409-418 (2017)
- Co-author, “Flight tunnel response of male European corn borer moths to cross-specific mixtures of European and Asian corn borer sex pheromones: evidence supporting a critical stage in evolution of a new communication system,” *Journal of Chemical Ecology*, 42(1), 51-54 (2016)
- Co-author, “Building Dimorphic Forms: The Intersection of Sex Determination and Embryonic Patterning,” *In Principles of Developmental Genetics (Second Edition)*, pp. 153-169 (2014)

Education

- Brown University (Ph.D., 2022)
  - Pathobiology
- Hobart and William Smith Colleges (B.S., magna cum laude, 2013)
  - Biology major
  - Mathematics and environmental studies minors