

Colin J. McArdle, Ph.D.

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SUMMARY

Neuroscience Ph.D. graduate with over 8 years of experience in scientific communication, literature examination, and data analysis. Expertise in scientific writing and editing, demonstrated by four peer-reviewed publications, seven medical-related blog posts, and two travel award-winning abstracts. Strong verbal communication skills, recognized through a top graduate program-wide student presentation, and several conference presentations. Proficient in cross-functional collaboration, project management, and leadership, exemplified through leading four independent research projects, contributing to three departmental collaborations, and training junior researchers. Passionate about translating scientific knowledge into accessible, evidence-supported content.

Skills: Scientific Writing, Editing, & Publication | Statistical Analysis | Abstract, Poster, & Slide Deck Development | Microsoft Office, Adobe Acrobat, & PubMed | Project & Timeline Management | Detail-Oriented | AMA Style

Selected Publications: <https://www.ncbi.nlm.nih.gov/myncbi/colin.mcardle.1/bibliography/public/>

PROFESSIONAL EXPERIENCE

PhD Candidate | *Wake Forest University School of Medicine (Advisor: Dr. Kimberly Raab-Graham)* **2020-2025**

- Produced clear and high-quality communications, including peer-reviewed research manuscripts, abstracts, posters, oral presentations, slide decks, and social media campaigns, translating complex data into accurate and engaging narratives tailored to diverse audiences.
- Performed literature reviews and data interpretation to create well-referenced content that aligned with therapeutic area guidelines and communication objectives.
- Partnered with cross-functional teams of clinicians, researchers, and editors to ensure compliance, accuracy, and alignment with overall goals.
- Managed concurrent writing projects, delivering manuscripts and presentations on time and within scope.
- Presented research findings at national and international conferences, demonstrating the ability to communicate complex scientific results to multidisciplinary audiences.

Contributing Author | *The Pipeline Blog – MedRAC@UNC* **2025**

- Authored four blog posts on FDA-approved therapeutics, translating disease pathology, mechanisms of action, and clinical trial outcomes into accessible narratives for professional and public audiences.

Topic Coordinator | *Frontiers in Pharmacology* **2024-2025**

- Coordinated editorial workflow for the research topic *Dysfunctions in GABAergic Signaling in Neurological Disorders*, collaborating with journal editors and authors to proactively ensure clarity and precision.

Guest Author | *Cogbites* **2024-2025**

- Created three creative public-facing blog posts, simplifying neuroscience concepts for general readers.

LEADERSHIP EXPERIENCE

Social Media Chair | *Wake Forest Brain Awareness Council* **2024-2025**

- Designed over 50 social media posts to translate neuroscience topics into clear, engaging messages.

Student Advisory Board Member | *Wake Forest University Neuroscience Program* **2022-2025**

- Facilitated program initiatives and organized workshops on industry careers and scientific writing.

Graduate Guest Lecturer – Seminar: Crafting Scientific Figures | *Wake Forest University* **2025**

- Delivered a guest lecture on advanced figure design techniques and best practices for data visualization.

EDUCATION

Doctor of Philosophy (Ph.D.) in Neuroscience | *Wake Forest University* **2020-2025**

Bachelor of Science (B.S.) in Neuroscience & Psychology | *Virginia Tech – Summa Cum Laude* **2014-2018**