

# AMY M. WORTHINGTON, PhD

amy.marie.worthington@gmail.com • LinkedIn • Portfolio website

## Medical Writer

*Skilled writer & researcher with 13 publications and >35 conference presentations. 17+ years of experience using innovative pedagogy to plan, design, and deliver high-quality educational content for adult learners.*

### AREAS OF EXPERTISE

- Grant writing
- Manuscripts
- Slide decks
- Abstracts
- Posters
- Presentation scripts
- Literature reviews
- Reference annotation
- Data visualization
- Technical editing

### TECHNICAL PROFICIENCY

- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Teams
- PubMed, Scopus
- Web of Science
- EndNote, Papers
- Mendeley
- AMA style
- Slack, Asana

**Personal Attributes:** Skilled storyteller • Inclusive leader • Lifelong learner • Deadline-driven • Creative • Adept multitasker • Evidence-based educator • Cooperative team member • Ethical

### PROFESSIONAL EXPERIENCE

Publication Practice Counsel | Omaha, NE

2023 – Current

- Freelance Medical Writer

*Medical Writer for evidence-based materials focusing on dissemination of Oncological clinical trial data.*

- Quality-checking of scientific communication points, medical Q&As, data summary cards, and global medical information guidance documents.

Creighton University | Omaha, NE

2016 – 2023

- Associate Professor of Biology 2023
- Assistant Professor of Biology 2016 – 2023

*Award-winning physiology instructor. Principal investigator of 10-person lab. Managed \$200k budget.*

### Content Development

- Authored 13 original research publications in peer-reviewed scientific journals with ownership over creative project development, experimental design, statistical analysis, data visualization, and writing.
- Disseminated research findings at >35 professional conferences via slide deck and poster presentations.
- Created informational podcasts, blogs, newsletters & social media content using engaging storytelling.
- Instructed a course in certified writing and oral communication to hone student ability to communicate complex topics in human health accurately and concisely to diverse audiences.

### Knowledge & Pedagogy

- Educated pre-health students in human physiology, reproduction, and science communication.
- Designed challenging curriculum to facilitate understanding of the cellular, genetic & physiological basis of disease states, as well as the mechanisms of action of therapeutic drugs, devices, and therapies.
- Identify core learning objectives and evaluate the impact of education on learning using assessments.
- Trained students in finding, reading, annotating, and interpreting published clinical/scientific articles.

### Project Management & Leadership

- Managed a lab while overseeing the budget, resource management, and research productivity.
- Cultivated an inclusive lab environment built on collaboration, openness, and DEI principles.
- Served on multidisciplinary advisory panels to the senior administration to resolve staff/student conflicts.
- Acted as review editor for *Frontiers in Ecology and Evolution*, NSF grant panel reviewer for the Division of Integrative Organismal Systems, and peer-reviewer for >20 research articles.

- Postdoctoral Research Fellow 2015 – 2016
- Non-Majors Biology Instructor 2015

*Published researcher and mentor. NSF-grant writer for \$3M proposal. Instructor and outreach coordinator.*

- Assembled large-scale grant proposals for innovative research projects, including comprehensive literature reviews, proposal dialogue, investigator biographies, and broader impact statements.
- Mentored students/post-doctoral researchers in publishing by providing guided constructive feedback.
- Adhered to strict federal, state, and institutional research guidelines and created SOPs for laboratory procedures to ensure quality, safety, and consistency of research output.
- Coordinated public outreach events to engage and educate adult learners within the community.

## RELEVANT PROFESSIONAL TRAINING

### ➤ Medical Writing

- Write Medicine: Next Level Needs Assessments (6-wk online course via Write Medicine) 2023
- Foundational Skills for Communicating About Health (40-hr online course via Coursera) 2023
- Medical Writing for Healthcare Professionals (5-hr online course via Udemy) 2023
- Medical Writing Skills for Beginners (2-hr online course via Udemy) 2023
- How to Create a Portfolio to Get into Medical Writing (1-hr online course via Udemy) 2023
- Communicating Real World Evidence in Medical Literature (1-hr webinar) 2023

### ➤ Publishing & Grant Writing

- Writing Winning NIH/NSF Grant Proposals (8-hr workshop) 2017
- Leveraging Authentic Teaching and Research Practices for Successful NSF Proposals (3-hr) 2016
- Getting published in the Biosciences (16-wk program) 2012
- Targeting the Right Granting Agency (4-hr workshop) 2012
- Reviewers: How to Give and Take Article Critique (8-hr workshop) 2011

### ➤ Interpersonal Communication

- Strategic Communications: Negotiations and Problem-Solving (5-hr workshop) 2016
- Tidal Leadership Symposium (8-hr workshop) 2016
- Improving your professional speaking style (16-wk program) 2013

### ➤ Evidence-Based Pedagogy

- Contemplative Pedagogy for Purposeful Teaching (3-hr workshop) 2022
- The Science Behind Effective Teaching and Learning (4-hr workshop) 2020
- Helping Students Retain Material (4-hr workshop) 2019
- Process Oriented Guided Inquiry Learning (3-day workshop) 2015

### ➤ Diversity, Equity & Inclusion

- Identity and its Impacts on Teaching and Learning (3-hr workshop) 2023
- Incorporating Universal Design & Trauma-Informed Practice into Teaching 2022
- Diversity Appreciation and Understanding Implicit Bias 2022
- Become a JEDI (Justice, Equity, Diversity, & Inclusion) Mentor (4-hr workshop) 2021

## PROFESSIONAL MEMBERSHIPS

- American Medical Writers Association (AMWA)
- Write Medicine: WriteCME Pro online community
- Society of Integrative & Comparative Biologists
- Sigma Xi Scientific Honors Research Society

## EDUCATION

### Iowa State University

Doctor of Philosophy (PhD) in Ecology & Evolutionary Biology

Ames, IA

### University of South Dakota

Master of Science (MS) in Biology

Vermillion, SD

### University of South Dakota

Bachelor of Science (BS) in Biology

Vermillion, SD