

AMIELLE MORENO PHD.

SCIENCE COMMUNICATOR

206.669.3320

Amielle.Moreno@gmail.com

Speakthescience.com

SUMMARY: *Passionate biomedical PhD and medical science communicator with a flair for translating complex scientific concepts into engaging narratives. Demonstrated expertise in effectively conveying the impact of cutting-edge biomedical advances to diverse audiences. Skilled at guiding professional stakeholders through presentations spanning various therapeutic areas. Possesses a strong background in project management, problem-solving, and relationship building. Eager to utilize exceptional interpersonal skills and a keen eye for clarity to make a profound impact at the nexus of science, business, and therapeutic access.*

MAJOR ACHIEVEMENTS:

- Managed major cancer research foundation's the science communications
- Founded a company crafting highly researched health education materials and scientific content
- Launched non-profit organization, developing promotional, educational, and social outreach
- Managed research, submission, and review of two first-author manuscripts (2018; 2023)
- Successfully navigated, submitted, and awarded numerous government research grants including NIH's National Research Service Award Grant
- Penned and defended a doctorate neuroscience thesis

COMMUNICATION EXPERIENCE:

Science Content Manager, MPN Research Foundation

May 2024 – Present

- **Industry Expert:** Leveraging global MPN ecosystem to stay up to date with the latest scientific advancements and developments relevant to the field of oncology
- **Content Development:**
 - ◆ Collaborating with researchers, clinicians, and other stakeholders to contextualize the research and treatment landscape and curate the foundation's point of view
 - ◆ Communicating compelling and accurate MPN scientific content for various platforms, including websites, publications, press releases, manuscripts, and marketing materials
 - ◆ Creating educational materials such as presentations, documentation, and training modules that effectively communicate complex scientific concepts and industry trends for internal teams and patient audiences
- **Collaboration:**
 - ◆ Working with the science and clinical team to communicate the foundation's research portfolio with summaries of relevance, outcome, and impact of funded projects
 - ◆ Managing marketing, communications, and design teams to develop content that aligns with organizational goals and effectively engages target audiences

- **Quality Assurance:** Ensuring the accuracy and scientific integrity of all content produced by the organization and accuracy of corporate messaging and adherence to communication policies.

Science Communicator, Speak the Science LLC

May 2020 – Present

- **Produces Diverse Scientific Content:** including clinical, pharmaceutical, and scientific research coverage as blogs, articles, and podcasts
- **Extensive Biomedical Knowledge:** rapidly acquire in-depth knowledge across various biomedical fields, including drug development, oncology, and neuroscience
- **Comprehensive Literature Reviews:** ensuring reputable methodology and up-to-date content to serve as the basis of large scope communication projects
- **Ambitious Production Schedule:** Ambitious Production Schedule: including setting project objectives, devising effective strategies, creating content, and social media marketing
- **Collaborate for Success:** create clear scopes of work and project objectives to enable timely and successful production of high-quality medical articles

PhD. Candidate, Academic and Technical Presentations

Aug. 2012 – Dec. 2019

- First-authored two peer-reviewed scientific articles in *Hearing Research* and *Neural Plasticity*
- Published and presented original biological research findings at five academic meetings in written, visual, and oral presentations
- Successfully wrote and defended thesis on the molecular mechanism underlying animal behavior
- Awarded numerous government research grants including NIH's National Research Service Award Grant
- Mentored numerous students through scientific protocols, study design, and thesis writing
- Developed and perfected several bench and computerized laboratory standard operating protocols, such as auditory brainstem recording, cell count analysis, immunohistochemistry, and qPCR.

Community Organizer and Editor-in-Chief of Online Newsletters

May 2014 – Present

- Developed promotional events and public facing content for social and educational programs
- Organized and moderated an event calendar of scientific seminars, workshops, networking, and professional development opportunities
- Engaged in science outreach events to boost brand awareness in the community.
- Led a writing team focusing on content management and optimizing alumni donor engagement

EDUCATION:

Medical Writing

- AMWA Essential Skills Certified:

- Basic Grammar and Usage, Elements of Medical Terminology, Punctuation for Clarity and Style, Sentence Structure and Patterns, Statistics for Medical Writers and Editors, Ethics for Medical Communicators

Neuroscience PhD.

Emory University, August 2012 – Defended Dec 2019

- Successfully defended molecular and behavioral neuroscience thesis titled The Molecular Correlates of Auditory Cortical Plasticity from Social Auditory Experience
- Used critical thinking and analysis skills to manage cross-department research projects including literature review, funding procurement, data collection, and analysis
- Mentored numerous students in molecular and behavioral scientific protocols, study design, and assisted with honors theses development and presentation

Double Degree in Cellular Molecular Biology and Psychology

University of Washington, Graduated 2008

- Performed undergraduate research, spanning both degrees, in human fMRI including organizing research information for publication and collaborating on experimental paradigms

SCIENCE PRESENTATIONS AND COMMUNICATION:

Journal Publications

A. Moreno, S. Rajagopalan, M.J. Tucker, P. Lunsford, R.C. Liu. Hearing Vocalizations during First Social Experience with Pups Increase *Bdnf* Transcription in Mouse Auditory Cortex. *Neural Plasticity*, February 2023.

A. Moreno, A. Gumaste, G.K. Adams, K.K. Chong, M. Nguyen, K.N. Shepard, and R.C. Liu. Familiarity with social sounds alters c-Fos expression in auditory cortex and interacts with estrogen in locus coeruleus. *Hearing Research*, June 2018.

Oral Science Conference Presentations

A. Moreno, M. Tucker, and R.C. Liu. Learning infant cues: estrogen and social experience's effects on mechanisms for sensory plasticity. *International Congress of Neuroendocrinology (Toronto, Canada July 2018)*.

A. Moreno, Learning infant cues: estrogen and social experience's effects on mechanisms for sensory plasticity. *Emory Neuroscience Candidates' Ongoing Research (Emory University, Atlanta, GA March 2018)*.

A. Moreno, Microbe Mind Control: The Toxoplasma Parasite and its Effects on Animal Behavior. *Atlanta Science Tavern (Atlanta, GA, April 2013)*.

Abstracts

S. Douglas, D. Shoultz, **A. Moreno**, K. Viges. Global assessment of patient and caregiver unmet needs in myeloproliferative neoplasms (MPNs): Findings from the 2024 international assessment. *67th ASH Annual Meeting and Exposition (Orlando FL, Dec 2025)*.

A. Moreno, M. Tucker, P. Lunsford, R. Deal and R.C. Liu. Estrogen's effect on acute maternal response behavior and plasticity associated gene transcription. *Mechanisms of Learning Forum 2017 (Queretaro Mexico, May 2017)*.

A. Moreno, A. Gumaste, G. Adams and R.C. Liu, Auditory processing of social cues: experience affects locus coeruleus and auditory cortical c-fos expression. *SfN Conference 2016 (San Diego CA, Nov. 2016)*.

A. Moreno, A. Gumaste, R.C. Liu (2015) Maternal experience and estrogen treatment modulate the core auditory cortical expression of c-fos. *Emory University's DSAC Symposium 2015 (Atlanta GA, Jan. 2016)*.

A. Moreno, A. Gumaste, R.C. Liu (2015) Maternal experience and estrogen treatment modulate the core auditory cortical expression of c-fos. *Society for Neuroscience 2015 (Chicago IL, Oct. 2015)*.

A. Moreno, K.K. Chong, T. Ivanova, R.C. Liu (2015) Estrogen receptors in the auditory cortex change density during motherhood. *Learning about the Vocal World: Deciphering the Statistics of Communication Workshop (Atlanta GA, May 2015)*.

Science Journalism

Over 75 articles covering recent scientific advancements. Please view [online content bio](#) for all recent publications. Select samples:

- [Beyond Fight or Flight: How the Brain's Freeze Response Should Shape the Judicial System.](#) Labroots.com, June 2023
- ["Forgotten" Illnesses are More Profitable Than Expected.](#) Labroots.com, May 2023
- [Cats can recognize your voice: Here's what the science says.](#) Grunge.com, November 2022

Science News Podcast

Over 30, hour-long episodes of the [Miss Behavior Journal Club](#), a podcast covering the latest neuroscience research with a dose of humor. Latest 20 episodes available for download from major podcast streaming services.

Graduate School Publications

Editor-in-Chief, [GDBBS's Spring 2018 Alumni Newsletter](#), Emory University, Atlanta, GA, Spring 2018

Editor-in-Chief, [GDBBS's Fall 2018 Alumni Newsletter](#), Emory University, Atlanta, GA, Fall 2018.

Editor-in-Chief, [GDBBS's Spring 2017 Alumni Newsletter](#), Emory University, Atlanta, GA, Spring 2017.

Over twenty-five articles spanning alumni engagement, neuroscience, graduate school life, and event coverage. Select samples:

- [Brain Circuitry Linked to Social Connection and Desire to Cuddle.](#) *Lab Land*, Emory University, Atlanta, GA, July 2017.
- [Dr. Chad Jackson Speech at the 2016 STEM Symposium:](#) Eager Juniors, Encouraged to Reach Out to Senior Scientists. *GDBBS Alumni Newsletter*, Emory University, Atlanta, GA, Nov. 2016
- [Baby Crazy: The Mind-Control of Motherhood.](#) *Inscripto Magazine*, Emory University, Atlanta, GA, Spring 2015.

AWARDS:

- National Research Service Award recipient 2015-2018, from the National Institute of Health: National Institute on Deafness and other communication disorders

- SACNAS Travel Award for Mechanisms of Learning Forum 2017
- Graduates in Neuroscience 2nd place poster presentation award winner at the annual DSAC symposium 2016
- Emory Neuroscience Training Grant recipient for the 2013-2014 academic year
- Emory's Graduates in Neuroscience Service Award- 2014
- B&P Laboratory's Employee of the Year 2009

ORGANIZATIONS:

- Seattle Medical Writing and Communication Community: Organizer and administrator, Seattle WA, March 2023 – Present
- Evergreen Hearts: Non-profit board member, Seattle WA, May 2023 – May 2024
- Wildwood Institute for STEM Research and Development: Visiting scholar, Los Angeles CA, May 2020 – Jan 2023
- GDBBS Alumni Newsletter: Editor-in-Chief, Atlanta GA, Jan 2017 – March 2019
- Society for Advancement of Chicanos/Hispanics & Native Americans in Science: Member, Emory University, Atlanta GA, Feb 2017 – Dec 2019
- Emory Women in Neuroscience: Emory University, Atlanta GA
- Co-President, May 2016 – 2018
- Graduate student council representative, May 2015 – 2016
- The Central Sulcus Emory Neuroscience Program's Newsletter: Emory University, Atlanta GA
- Editor-in-Chief, 2014 – 2016
- Writer and editor, May 2016 – 2019
- BEINGS International Bioethics Summit: Distinguished faculty handler, Atlanta GA, Spring 2015
- Chromatin Club: Student member, Emory University, Atlanta GA, Dec 2013 – Dec 2019
- The Graduate Students in Genetics Group: Student member, Emory University, Atlanta GA, Sept 2014 – Dec 2019
- Society of Neuroscience: Student member, US, May 2015 – Dec 2019
- Laney Graduate Student Council: Student member, Emory University, Atlanta GA, Oct 2013 – Dec 2019

OUTREACH AND VOLUNTEERING:

- Evergreen Hearts Board Member: lecture series, event booth, communications, and social event organizer, May 2023 – May 2024
- Wildwood Academy: Visiting scholar and writing coach, May 2020 – Jan 2023
- AAAS Symposium: Poster judge, Feb 2020
- Atlanta Science Festival:
 - Science Riot: Oral presenter, March 2019 & 2020
 - Science Art wonder: Contributing scientist, March 2019
 - Laboratory Tours: Guide, March 2013 & 2019
- Young Women in Biology: Science demonstrator, March 2015
- Atlanta Chapter of Society for Neuroscience/Center for Behavior, March 2016

- Neuroscience Educational Outreach: Classroom Visit, March 2018
- Atlanta Science Tavern, presenter, organizer, and volunteer, 2013 – 2015
- Brain-Bee: Volunteer and judge, Oct – Nov 2015
- GDBBS Involved in Volunteerism at Emory: Classroom visit presenter, Nov 2016 & 2017
- BRAIN-NET/work program
- Undergraduate student mentor, June 2014
- Symposium poster judge, Aug 2014

LABORATORY TECHNICAL EXPERIENCE:

Research Scientist

University of Washington Medical Center, August 2010 – July 2012

- Trained new world primates in a color vision and behavior task, the primary research of the laboratory
- Responsible for DNA sample processing and genotyping, including isolation, PCR analysis, gel electrophoresis, and reporting findings
- Managed care, records, and reports for laboratory primates and rodents

Analytical Instrument Specialist

B&P Laboratories, January 2009 – March 2010

- Managed full scope of sample processing, including chemical analysis, technical licensing, and report of findings
- Principle technician on numerous analytical machines; developed and wrote SOPs and protocols
- Tasked with employees training on procedures, client management, and laboratory deadlines