

AMIELLE MORENO PHD.

SCIENCE COMMUNICATOR

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Speakthescience.com

PROFILE: *I am a highly skilled problem solver and scientific storyteller with expertise in guiding diverse audiences through a broad spectrum of biomedical content. From educational materials to groundbreaking scientific advances, I can swiftly grasp and communicate complex information across various biological and medical specialties. With a keen eye for clarity, I excel at editing content to produce deliverables that resonate with your target audience.*

MAJOR ACHIEVEMENTS:

- Founded a freelance writing business crafting highly researched health education materials, and scientific news coverage
- Penned and defended a doctorate health science thesis
- First-authored two peer-reviewed original research scientific manuscripts

COMMUNICATION EXPERIENCE:

Science Communicator, Speak the Science LLC

May 2020 – Present

- Produces medical, pharmaceutical, and scientific research for human health and journalistic publications
- Conducts high-level medical literature research for human health information services websites
- Advances an ambitious production schedule with multiple contributors and media companies
- Collaborates closely with clients to set project objectives, devise effective strategies, and define a clear scope of work, ensuring the successful production of high-quality deliverables

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 multiple 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 protocols, such as auditory brainstem recording, immunohistochemistry, and qPCR.

Community Organizer and Editor-in-Chief of Online Newsletters

May 2014 – May 2018

- 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
- Led a writing team focusing on content management and optimizing alumni donor engagement

EDUCATION:

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

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

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 and 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

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 60 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
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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, May 2023 – Present
- Evergreen Hearts: Non-profit board member, Seattle WA, May 2023 – Present
- 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

- 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