

WORK EXPERIENCE:

Founder & CEO, Speak the Science LLC

October 2020 – Present

Seattle WA, United States

- Founded a company specializing in the communication of complex scientific concepts to any audience in audio or written formats.
- Creator and co-host of the neuroscience/comedy podcast Miss Behavior Journal Club.
- Communicate breaking scientific discoveries for freelance submission and publication.
- Coach clients on scientific communication to numerous audiences: medical and science professionals, or the general public and children.

EDUCATION:

Neuroscience Graduate Student

August 2012 – Defended Dec 2019

Emory University, Atlanta, GA

- First-authored a peer-reviewed scientific article in *Hearing Research*.
- Successfully defended thesis on the molecular mechanism of estrogen and social auditory cortical plasticity.
- Penned and obtained National Research Service Award grant.
- Developed and perfected protocols in auditory brainstem recording, immunohistochemistry, and qPCR.
- Mentored numerous undergraduate students in molecular, behavioral and science presentation techniques, and assisted with honors theses development and editing.

Double Degree in Cellular Molecular Biology and Psychology

Graduated 2008

University of Washington, Seattle, WA

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

LABORATORY EXPERIENCE:

Research Scientist

August 2010 – July 2012

University of Washington, Seattle, WA

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

Analytical Instrumentation Specialist

January 2009 – March 2010

B&P Laboratories, Seattle, WA

- Managed entire 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.

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:

- Wildwood Institute for STEM Research and Development: Visiting Scholar May 2020-Present
- GDBBS Alumni Newsletter: Editor-in-Chief Jan 2017 – March 2019
- SACNAS Emory Chapter: active member Feb 2017- Dec 2020
- Emory Women In Neuroscience:
 - Co-President, May 2016-2018
 - Graduate student council representative, May 2015 – 2016
- The Central Sulcus Emory Neuroscience Program's Newsletter:
 - Editor-in-Chief , 2014 – 2016
 - Writer and Editor, May 2016 – 2019
- BEINGS International Bioethics Summit: Distinguished Faculty Handler Spring 2015
- Chromatin Club: student member Dec 2013 – Dec 2019
- The Graduate Students in Genetics Group: student member Sept 2014 – Dec 2019
- Society of Neuroscience: student member May 2015 – Dec 2019
- Laney Graduate Student Council: active member Oct, 2013 – Dec 2019

OUTREACH AND VOLUNTEERING:

- Wildwood Academy: Visiting Scholar and Writing Coach May, 2020 –Present
- AAAS symposium poster judge Feb 2020
- Atlanta Science Festival
 - Science Riot: Oral Presenter, March, 2019 & 2020
 - Science Art wonder: Contributing Scientist , March, 2019
 - Laboratory Tour-Guide, educational outreach, March, 2013 & 2019
 - Young Women in Biology: science demonstrator, educational outreach, 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
- Behavioral Neuroscience, Brain-Bee volunteer and judge Oct-Nov, 2015
- GIVE class room visit outreach Nov, 2016 & 2017
- BRAIN-NET/work program
 - Undergraduate student mentor, June, 2014

- Symposium poster judge, Aug, 2014

SCIENCE PUBLICATIONS:

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 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 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 20th 2015)*.

SCIENCE COMMUNICATION PUBLICATIONS:

Amielle Moreno, Editor-in-Chief (Spring 2018) *GDBBS Alumni Newsletter*. (Emory University, Atlanta, GA)

Amielle Moreno, (Dec. 2018) Three Questions with Distinguished Alumni of the Year Winner Dr. Kahaled Machaca. *GDBBS Alumni Newsletter*. (Emory University, Atlanta, GA).

Amielle Moreno, (Feb. 2018) Which Model Organisms Are You? *The Central Sulcus* (Emory University, Atlanta, GA).

Amielle Moreno, Editor-in-Chief (Fall 2018) *GDBBS Alumni Newsletter*. (Emory University, Atlanta, GA).

Amielle Moreno, (Nov. 2017) Insider Food and Drink Tips for D.C. SfN 2017 *The Central Sulcus* (Emory University, Atlanta, GA).

Amielle Moreno, (July 2017) Brain Circuitry Linked to Social Connection and Desire to Cuddle. *Lab Land* (Emory University, Atlanta, GA).

Amielle Moreno, Editor (Spring 2017) *GDBBS Alumni Newsletter*. (Emory University, Atlanta, GA).

Amielle Moreno, (July 2017) Blood Versus the Crypt. *Lab Land* (Emory University, Atlanta, GA).

Amielle Moreno (Nov. 2016) 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).

Amielle Moreno (June 2016) Research Spotlight: An Interview of James Burkett on his 2016 *Science* Article. *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (May 2016) DSAC Symposium 2016: A student's perspective. *GDBBS Alumni Newsletter*. (Emory University, Atlanta, GA).

Amielle Moreno (Dec. 2015) Methylations that are Making Your Kid Fat: You won't believe protein #5! *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (Sept. 2015) 2015 GDBBS Banquet Fashion Spread. *The Central Sulcus Blog* (Emory University, Atlanta GA).

Dr. Brian Bauss. Produced by Amielle Moreno (Aug. 2015) Faculty Spotlight: Dr. Samuel Sober. *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (July 2015) "Yes and" Brain Areas Identified. *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (Spring 2015) Baby Crazy: The Mind-Control of Motherhood. *Inscripto Magazine* (Emory University, Atlanta, GA).

Amielle Moreno (Nov. 2014) Gh-gh-gh-ghost Delusion Simulated and Explored. *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (Aug. 2014) Dragon Con: 2014 Science Talks *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (Aug. 2014) Radio Silence from First Years due to Qualifying Exam: 2014 *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (June 2014) Advice from Upperclassmen, Summer 2014. *The Central Sulcus Blog* (Emory University Atlanta, GA).

Amielle Moreno & Eric Maltbie (May 2014) Second Years Celebrate Stats Course Completion. *The Central Sulcus Blog* (Emory University Atlanta, GA).

Amielle Moreno (Feb. 2014) Nerd Wars: The Battle for Science Audience in Atlanta. *The Central Sulcus Blog* (Emory University Atlanta, GA).

Yvonne Ogbonmwan, Tom Hennessey, Drew Solyst, Kara Kittelberger, Eric Maltbie, Laura Mariani and Amielle Moreno (Nov. 2013) SFN 2013 Correspondent Reports. *The Central Sulcus Blog* (Emory University Atlanta, GA).

Amielle Moreno (Oct. 2013) 2013 GDBBS Banquet Highlights. *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (Sept. 2013) The Neurodegenerate News: Emory Neuroscience Flag Football. *The Central Sulcus Blog* (Emory University, Atlanta, GA).

Amielle Moreno (2012). Ethics, Logic and Vegetative States on a First Date. *The Neuroethics Blog*. (Emory University, Atlanta, GA).