

Angela M. Mabb

U.S. Citizen | | amabb@gsu.edu
Georgia State University
100 Piedmont Ave., SE
Neuroscience Institute/Center for Behavioral Neuroscience
Atlanta, GA 30303, USA

EDUCATION

Ph.D. *Molecular and Cellular Pharmacology*, 2007
University of Wisconsin, Madison, WI

Bachelor of Science with Great Distinction: Dual Major; Chemistry and Bio-Molecular Science, 2002
Clarkson University, Potsdam, NY

PROFESSIONAL EXPERIENCE

Georgia State University, Atlanta, GA. 2022 – Present

Associate Professor

Second Century Initiative (2CI) Scholar

Neuroscience Institute, Center for Behavioral Neuroscience

Georgia State University, Atlanta, GA. 2016 – 2022

Assistant Professor

Second Century Initiative (2CI) Scholar

Neuroscience Institute, Center for Behavioral Neuroscience

University of North Carolina, Chapel Hill, NC. 2011 - 2016

Postdoctoral fellow, UNC Cell Biology and Physiology

Laboratories of Dr. Ben Philpot and Dr. Mark Zylka

Duke University, Durham, NC. 2007 - 2011

Postdoctoral fellow, Duke Neurobiology/Howard Hughes Medical Institute

Laboratory of Dr. Michael Ehlers

University of Wisconsin, Madison, WI. 2002 - 2007

Doctoral research, Department of Molecular and Cellular Pharmacology

Laboratory of Dr. Shigeki Miyamoto

University of Wisconsin, Madison, WI. 2002

Graduate Rotation, Department of Molecular and Cellular Pharmacology

Laboratory of Dr. Richard Burgess

University of Wisconsin, Madison, WI. 2002

Graduate Rotation, Department of Molecular and Cellular Pharmacology

Laboratory of Dr. Emery Bresnick

University of Wisconsin, Madison, WI. 2002

Graduate Rotation, Department of Molecular and Cellular Pharmacology

Laboratory of Dr. Randall Tibbetts

Clarkson University Department of Chemistry, Potsdam, NY. 2000 - 2002

Undergraduate Thesis Research, Department of Chemistry

Laboratory of Dr. Linda Luck

Bristol-Myers Squibb (BMS) Pharmaceutical Research Institute, Hopewell, NJ. 2001
Internship, Department of Metabolic Research

University of Connecticut Department of Chemistry REU Program, Storrs, CT. 2000
Undergraduate Research, Department of Chemistry
Laboratory of Dr. Ashis Basu

PEER REVIEWED PUBLICATIONS

Postdocs, Graduate students, undergraduate students

= Co-corresponding Author, * = Co-First author, 9 = Lead/Senior Author

1. Deng X, Yao X-Q, Berglund K, Dong B, Ouedraogo D, [Ghane MA](#), Zhuo Y, McBean C, Wei ZZ, Gozem S, Yu SP, Wei L, Fang N, **Mabb AM**, Gadda G, Hamelberg D, Yang JJ. Tuning protein dynamics to sense rapid calcium dynamics. *Angew Chem Int Ed Engl*. 2021 Aug 26. doi: [10.1002/anie.202108443](https://doi.org/10.1002/anie.202108443). 2-year Impact factor: 13.014
2. Watkins JC, Evans RH, Bayes A, Booker SA, Gibb A, **Mabb AM**, Mayer M, Mellor JR, Molnar E, Niu L, Ortega A, Pankratov Y, Ramos-Vicente D, Rodriguez-Campuzano A, Rodriguez-Moreno A, Wang LY, Wang YT, Wollmuth L, Wyllie DJA, Zhuo M, Frenguelli BG. 21st Century Excitatory Amino Acid Research: a Q&A with Jeff Watkins and Dick Evans. *Neuropharmacology*. 2021 Aug 5;198:108743. doi: [10.1016/j.neuropharm.2021.108743](https://doi.org/10.1016/j.neuropharm.2021.108743). 2-year Impact factor: 4.624
3. **Mabb AM**. Historical perspective and progress on ubiquitination at glutamatergic synapses. *Neuropharmacology*. 2021 Jun 29;196:108690. doi: [10.1016/j.neuropharm.2021.108690](https://doi.org/10.1016/j.neuropharm.2021.108690). 2-year Impact factor: 4.624
4. Reddish FN, Miller CL, Deng X., Dong B, Patel AA, [Ghane MA](#), Mosca B, McBean C, Wu S, Solntsev KM, Zhuo Y, Gadda G, Fang N, Cox DN, **Mabb AM**, Treves S, Zorzato F, Yang JJ. Rapid subcellular Calcium responses and dynamics by Calcium sensor G-CatchER⁺. *iScience*. 2021 Feb 3;24(3):102129. doi: [10.1016/j.isci.2021.102129](https://doi.org/10.1016/j.isci.2021.102129). eCollection 2021 Mar 19. 5-year Impact factor: 4.452
5. [Yakout DW](#), [Shree N](#), **Mabb AM**. Effect of pharmacological manipulations on Arc function. *Curr Res Pharmacol Drug Discov*. 2020 Dec 24;2:100013. doi: [10.1016/j.crphar.2020.100013](https://doi.org/10.1016/j.crphar.2020.100013).
6. Fragola G, **Mabb AM**, Taylor-Blake B, Niehaus J, Chronister W, Mao H, Simon J, Yuan H, Li Z, McConnell MJ, Zylka MJ. Deletion of Topoisomerase 1 in excitatory neurons causes genomic instability and early onset neurodegeneration. *Nat Commun*, 2020 Apr 23;11(1):1962 (2020). doi: [10.1038/s41467-020-15794-9](https://doi.org/10.1038/s41467-020-15794-9). 5-year Impact factor: 13.610
7. [Ghane MA](#)*, [Yakout DW](#)*, **Mabb AM**. A high-content assay for monitoring AMPA receptor trafficking. *J Vis Exp*. 2019 Jan 28;(143). doi: [10.3791/59048](https://doi.org/10.3791/59048). 4-year Impact factor: 1.392
8. Brown P; RELISH Consortium...**Mabb AM**..., Zhou Y. Large expert-curated database for benchmarking document similarity detection in biomedical literature search. *Database (Oxford)*. 2019 Jan 1;2019:baz085. doi: [10.1093/database/baz085](https://doi.org/10.1093/database/baz085). 5-year Impact factor: 3.660
9. Wall MJ, Collins DR, [Chery SL](#), Allen ZD, Pastuzyn ED, [George AJ](#), Nikolova VD, Moy SS, Philpot BD, Shepherd JD, Müller J, Ehlers MD, **Mabb AM**^{#9}, Corrêa SAL[#]. The temporal dynamics of Arc expression regulate cognitive flexibility. *Neuron*. 2018 Jun 27;98(6):1124-1132.e7. doi: [10.1016/j.neuron.2018.05.012](https://doi.org/10.1016/j.neuron.2018.05.012). This paper was highlighted on over 30 international news websites. 5-year Impact factor: 15.998
10. [George AJ](#), [Hoffiz YC](#), [Charles AJ](#), Zhu Y, and **Mabb AM**. A comprehensive atlas of E3 ubiquitin ligase mutations in neurological disorders. *Frontiers in Genetics*. 2018 Feb 14;9:29. eCollection 2018. <https://doi.org/10.3389/fgene.2018.00029>. Invited Review. 2018 Impact factor: 4.151

11. **Mabb AM[#]** and Ehlers MD[#]. Arc ubiquitination in synaptic plasticity. *Seminars in Cell and Developmental Biology*. 2018 May;77:10-16. doi: 10.1016/j.semcd.2017.09.009. Invited Review. 4-year Impact factor: 6.384
12. **Mabb AM**, Simon JM, King IF, Lee HM, An LK, Philpot BD, Zylka MJ. Topoisomerase 1 regulates gene expression in neurons through cleavage complex-dependent and -independent mechanisms. *PLoS ONE*. 2016. May 27;11(5):e0156439. doi: 10.1371/journal.pone.0156439. eCollection 2016. 4-year Impact factor: 3.372
13. Niedringhaus M, Dumitru R, **Mabb AM**, Wang Y, Philpot BD, Allbritton NL, Taylor AM. Transferable neuronal mini-cultures to accelerate screening in primary and induced pluripotent stem cell-derived neurons. *Sci Rep*. 2015 Feb 10;5:8353. doi: 10.1038/srep08353. 5-year Impact factor: 4.576
14. **Mabb AM**, Kullmann PH, Twomey MA, Miriyala J, Philpot BD, Zylka MJ. Topoisomerase 1 inhibition reversibly impairs synaptic function. *Proc Natl Acad Sci U S A*. 2014 Dec 2;111(48):17290-5. doi: 10.1073/pnas.1413204111. Epub 2014 Nov 17. 5-year Impact factor: 10.285
15. **Mabb AM***, Je HS*, Wall MJ, Robinson CG, Larsen RS, Qiang Y, Corrêa SA, and Ehlers MD. Triad3A regulates synaptic strength by ubiquitination of Arc. *Neuron*. 2014 Jun 18;82(6):1299-316. doi: 10.1016/j.neuron.2014.05.016. 5-year Impact factor: 15.998
16. King IF, Yandava CN, **Mabb AM**, Hsiao JS, Huang HS, Pearson BL, Calabrese JM, Starmer J, Parker JS, Magnuson T, Chamberlain SJ, Philpot BD, Zylka MJ. Topoisomerases facilitate transcription of long genes linked to autism. *Nature*. 2013 Sep 5;501(7465):58-62. doi: 10.1038/nature12504. Epub 2013 Aug 28. 5-year Impact factor: 45.819
17. Peixoto RT, Kunz PA, Kwon H, **Mabb AM**, Sabatini BL, Philpot BD, Ehlers MD. Trans-synaptic signaling by activity-dependent cleavage of Neuroligin-1. 2012 Oct 18;76(2):396-409. doi: 10.1016/j.neuron.2012.07.006. Epub 2012 Oct 17. *Featured cover article*. 5-year Impact factor: 15.998
18. Huang H-S*, Allen JA*, **Mabb AM**, King IF, Miriyala JL, Taylor-Blake B, Sciaky N, Dutton JW, Lee H-M, Chen X, Jin J, Bridges AS, Zylka MJ, Roth BL, Philpot BD. Topoisomerase inhibitors unsilence the dormant allele of Ube3a in neurons. *Nature*. 2011 Dec 21;481(7380):185-9. doi: 10.1038/nature10726. 5-year Impact factor: 45.819
19. Lee MH, **Mabb AM**, Gill GB, Yeh ET, and Miyamoto S. NF- κ B Induction of the SUMO Protease SENP2: A negative feedback loop to attenuate cell survival response to genotoxic stress. *Mol Cell*. 2011 Jul 22;43(2):180-91. doi: 10.1016/j.molcel.2011.06.017. 5-year Impact factor: 16.133
20. Yang Y, Xia F, Hermance N, **Mabb A**, Simonson S, Morrissey S, Gandhi P, Munson M, Miyamoto S, Kelliher MA. A cytosolic ATM/NEMO/RIP1 complex recruits TAK1 to mediate the NF- κ B and p38 MAP kinase/MAPKAP-2 responses to DNA damage. *Mol Cell Biol*. 2011 Jul;31(14):2774-86. doi: 10.1128/MCB.01139-10. Epub 2011 May 23. 4-year Impact factor: 3.732
21. **Mabb AM***, Judson MC*, Zylka MJ, Philpot BD. Angelman Syndrome: Insights into Genomic Imprinting and Neurodevelopmental Phenotypes. *Trends Neurosci*. 2011 Jun;34(6):293-303. doi: 10.1016/j.tins.2011.04.001. Epub 2011 May 17. Review. *Featured cover article*. 5-year Impact factor: 13.136
22. **Mabb AM** and Ehlers MD. Ubiquitination in postsynaptic function and plasticity. *Annu Rev Cell Dev Biol*. 2010;26:179-210. doi: 10.1146/annurev-cellbio-100109-104129. Review. 4-year Impact factor: 14.073
23. **Mabb AM** and Miyamoto S. SUMO and NF- κ B ties. *Cell Mol Life Sci*. 2007 Aug;64(15):1979-96. doi: 10.1007/s00018-007-7005-2. Review. 5-year Impact factor: 6.769

24. **Mabb AM**, Wuerzberger-Davis SM, Miyamoto S. PIASy mediates NEMO sumoylation and NF- κ B activation in response to genotoxic stress. *Nat Cell Biol.* 2006 Sep;8(9):986-93. [doi: 10.1038/ncb1458](https://doi.org/10.1038/ncb1458). Epub 2006 Aug 13. 5-year Impact factor: 20.960
25. Wu ZH, **Mabb A**, Miyamoto S. PIDD: A Switch Hitter. *Cell.* 2005 Dec 16;123(6):980-2. [doi: 10.1016/j.cell.2005.11.025](https://doi.org/10.1016/j.cell.2005.11.025). 5-year Impact factor: 38.620
26. Shi Y, Venkataraman SL, Dodson GE, **Mabb AM**, LeBlanc S, Tibbetts RS. Direct regulation of CREB transcriptional activity by ATM in response to genotoxic stress. *Proc Natl Acad Sci U S A.* 2004 Apr 20;101(16):5898-903. [doi: 10.1073/pnas.0307718101](https://doi.org/10.1073/pnas.0307718101). Epub. 5-year Impact factor: 10.285

Published Pre-prints:

1. [George AJ](#), [Hoffiz YC](#), [Ware C](#), Dong B, Fang N, Hrabovszky E, **Mabb AM**. The E3 ligase RNF216/TRIAD3 is a central regulator of the hypothalamic-pituitary-gonadal axis. bioRxiv. March 2021. <https://doi.org/10.1101/2021.03.21.436306>

Submitted manuscripts:

1. [George AJ](#), Dong B, Lail H, Gomez M, [Hoffiz YC](#), [Ware C](#), Fang N, Murphy AZ, Hrabovszky E, Wanders D, **Mabb AM**. The E3 ubiquitin ligase RNF216/TRIAD3 is a key coordinator of the hypothalamic-pituitary-gonadal axis. Provisionally Accepted at iScience.
2. [Wei W](#), [Yount ST](#), Allen ZD, [Bechdol KF](#), Xia W, Mo H*, **Mabb AM***. The mevalonate modulator δ -Tocotrienol increases hippocampal network excitability through upregulation of GluA1-containing AMPARs. Under review at Brain Research, 01/07/2022.

Manuscripts in preparation:

1. Haley M, Anderson VT, **Mabb AM**, Corrêa SAL, Wall MJ. Reduction in Arc degradation has no significant effect on long-term potentiation in area CA1 of the hippocampus.
2. [George AJ](#) and **Mabb AM**. Age-dependent motor and cognitive impairments in a mouse model of Gordon Holmes syndrome.

EXTRAMURAL FUNDING

- **National Science Foundation CAREER Award (Award Number (FAIN) 2047700)**. 03/15/2021 – 02/28/2026
Role: PI
(\$756,620 total direct costs, 5 years)
 - Posttranslational signaling pathways that encode for flexible behaviors
- **NIH/NINDS (Award Number (FAIN) 1R21NS116760)**. Multi-PI, PI: Dr. Jun Yin. 05/01/2021 – 10/31/2022
Role: Contact PI
(\$275,000 total direct costs, 1.5 years: \$175,000 direct costs to Mabb, \$100,000 direct costs to Jun Yin)
 - Insights into Gordon Holmes syndrome by substrate profiling of Triad3A and Chip using Orthogonal Ubiquitin Transfer

INTRAMURAL FUNDING

- **Center for Neuroinflammation and Cardiometabolic Diseases Seed Grant**. 09/17/2021 – 05/13/2022
Role: PI
(\$15,000 total direct costs)
 - Role of E3 ubiquitin ligases in neuroinflammation and neuroendocrine function

MENTOR-BASED FUNDING

- **Beckman Scholar Program award** (PI: Parent) Effective Dates: 2021-2024
Role: Beckman Scholar Mentor (Mabb) Funding Agency: The Arnold and Mabel Beckman Foundation

Total direct costs: \$156,000

- **1T34GM131939** (PI:Frantz) Effective Dates: 06/01/2019 – 05/31/2024
NIH/MARC program for Undergraduate Student Training in Academic Research (U-STAR) Award
Role: Co-I Funding Agency: NIH/NIGMS
Total direct costs: \$164,438

COMPLETED FUNDING

- **Brain & Behavior Research Foundation, NARSAD Young Investigator Award (Grant 28549).** 01/15/2020 – 01/14/2022
Role: PI
(\$70,000 total direct costs, 2 years)
 - Molecular signatures of behavioral flexibility
- **Whitehall Foundation (Grant 2017-05-35).** 08/01/2017 – 07/31/2020, NCE 7/31/2021
Role: PI
(\$216,668 total direct costs, 3 years)
 - Role of immediate early gene turnover in learning-related behaviors
- **National Ataxia Foundation Young Investigator Research Grant (678198).** 03/01/2020 – 07/01/2021
Role: PI
(\$35,000 direct costs, 1 year)
 - Resolving sex differences in the onset of motor dysfunction in Gordon Holmes syndrome.
- **Molecular Basis of Disease Seed Grant.** Co-PI Dr. Jun Yin. 02/01/2020 – 05/30/2020
Role: PI
(\$25,000 direct costs)
 - Conversion of the Orthogonal Ubiquitin Transfer system to primary neurons for profiling of ubiquitin ligase substrates
- **Brains & Behavior Seed Grant.** Co-PI Dr. Marise Parent. 07/01/2019 – 06/30/2020
Role: PI
(\$18,769 direct costs, 1 year)
 - Development, validation, and use of a photoconvertible sensor for illuminating rodent neural ensembles in principle pyramidal excitatory neurons
- **Cleon C. Arrington Research Initiation Grant Program (RIG-93).** 07/01/2018 – 06/30/2019
Role: PI
(\$20,000 direct costs, 1 year)
 - Generation of a pre-clinical model for neurological disorders

COMPLETED TECHNOLOGY AWARDS

- Rare Genomics Institute, BeHEARD Rare Disease Science Challenge, Technology Prize. 06/23/2017
(Valued at \$2,408)
 - Receipt of mice from Jackson Laboratories for Gordon Holmes syndrome project

PREVIOUS FUNDING

- Joseph E. Wagstaff Postdoctoral Fellowship. 2013 - 2015
- NIH NINDS, National Research Service Award (NRSA) F32-NS067712. 2010 - 2012
- Ruth K. Broad Fellowship. 2009 - 2010
- NIH sponsored postdoctoral fellowship in the Fundamental & Translational Neuroscience Program T32-NS051156. 2007 - 2008
- Department of Defense Breast Cancer Research Program Predoctoral Traineeship Award BC044529. 2005 - 2007

- MCP NIH sponsored training grant T32-GM008688. 2002 – 2004
-

PROFESSIONAL EXPERIENCE

Grant Review Panels

- NIH/NIMH SuRE Panel Reviewer, Special Emphasis Panel, ZGM1-RCB-5 (NP). 2021
- National Science Foundation Graduate Research Fellowship Program, reviewer. 2018, 2019, 2021
- Alzheimer's Association Research Grant (AARG)-NTF program. 2018, 2019, 2020, 2021
- Early Career Reviewer (ECR), NIH Study Section: Synapses, Cytoskeleton & Trafficking (SYN). June 2019
- Alzheimer's Association Research Grant (AARG) program. 2018
- Alzheimer's Association Research Fellowship (AARF) program. 2016, 2017
- External Evaluator for E-Rare funding initiative. 2014

***Ad hoc* Grant Reviewer**

- French National Research Agency, Agence Nationale de la Recherche (ANR), external reviewer. 2021
- National Science Foundation Proposal reviewer (IOS and MCB). 2021

Foundation Reviewer

- National Organization for Rare Disorders (NORD)
 - <https://rarediseases.org/rare-diseases/juberg-marsidi-syndrome/>

Editorial Boards/Journal Reviewer

- Editorial Boards
 - Review Editor on the Editorial Board of Cellular Neurophysiology (specialty section of Frontiers in Cellular Neuroscience). 2021 – present
 - Associate Editor for Current Research in Pharmacology and Drug Discovery. 2020 – present
 - *Ad hoc* reviewer for the following scientific journals
 - Science
 - Nature Reviews Neuroscience
 - Neuropsychopharmacology
 - eNeuro
 - Molecular Neurobiology
 - Molecular Psychiatry
 - iScience
 - Journal of Neurophysiology
 - Scientific Reports
 - Seminars in Cell & Developmental Biology
 - European Journal of Neuroscience
 - Journal of Neuroimmunology
 - Frontiers in Cellular Neuroscience
 - Frontiers in Synaptic Neuroscience
 - Frontiers in Molecular Neuroscience
 - PLOS ONE
 - Brain Research
 - FASEB Journal
 - Neurochemistry International
 - Molecular Autism
 - Synapse
 - JoVE (Journal of Visualized Experiments)
 - Life Science Alliance
 - Developmental Medicine & Child Neurology
-

HONORS & AWARDS

- P&S Fund Recipient, Brain & Behavior Research Foundation Research Partners Program. 2020 - 2022
- Georgia State University's Outstanding Graduate Mentoring Award in the College of Arts & Sciences. 2020
- NIH sponsored Keystone Symposia Scholarship. 2006
- Vilas Travel Grant Award. 2005
- Lovenhart Scholarship. 2002
- Northern New York Section of the American Chemical Society Award. 2002
- Member of Phi Delta Epsilon, Treasurer. 2001 - 2002
- Clarkson University Leadership Award. 1998 – 2002

INVITED LECTURES

1. **Neuroscience Lecture Series, Georgia State University.** Atlanta, GA, September 17th, 2021
Protein ubiquitination in the nervous system: Lessons learned from Arc
2. **Neuroscience Virtual Seminar Series, East Carolina University.** Greenville, NC. October 27th, 2020
Role of protein ubiquitination in cognition and disease
3. **Biology Graduate Seminar Series, Georgia State University.** Atlanta, GA. February 28th, 2020
Functions of E3 Ubiquitin Ligases in Rare Neurological Disorders
4. **Erasmus MC Department of Neuroscience Seminar Series.** Rotterdam, Netherlands. December 3rd, 2018
Role of Protein Ubiquitination in Neurological Disease and Cognition
5. **Molecular Biosciences Interest Group, Kennesaw State University.** Kennesaw, GA. April 14th, 2017
Role of the Ubiquitin Pathway in Neurological Disease and Cognition
6. **Center for Diagnostics and Therapeutics, Georgia State University.** Atlanta, GA. March 21st, 2017
Establishing a Disease Based Ubiquitin Ligase Code of the Neuronal Proteome
7. **Biology Graduate Seminar Series, Georgia State University.** Atlanta, GA. January 20th, 2017
Role of the Ubiquitin Pathway in Neurological Disease and Cognition
8. **Genzyme Framingham, MA.** February 17th, 2012
Development of Angelman Syndrome Therapeutics

INVITED LECTURES – Student Meetings and Organizations

1. **Emory University Frontiers in Neuroscience Seminar Series.** January 25th, 2019
Role of protein ubiquitination in neurological disease and cognition
2. **Georgia State University American Medical Student Association (AMSA).** October 2nd, 2018
Mechanisms and circuits that control cognitive flexibility
3. **Georgia State University Beta-Beta-Beta Biological Honor Society.** October 13th, 2016
Navigating the Academic Landscape

MEETING PRESENTATIONS

1. American Society for Biochemistry and Molecular Biology, Experimental Biology Meeting, Neuroscience Interest Group. Virtual conference, April 26th, 2021
“The E3 ubiquitin ligase RNF216/TRIAD3 is a central regulator of the hypothalamic-pituitary-gonadal axis”
(Invited Talk)
2. Gordon Research Conference, Excitatory Synapses and Brain Function, Neuronal Communication: From Receptors, Genes, Circuits, and Behavior. Manchester, NH. June 9th-14th, 2019

“Ubiquitination at Excitatory Synapses” (Invited Talk)

3. 16th Annual Discovery on Target, CNS and Neurodegenerative Targets, Boston MA. September 26th-27th, 2018
“Mechanistic insights into the use of mevalonate pathway modulators as cognitive enhancers” (Invited Talk)
4. ION Symposium, Emory University, Atlanta GA. July 27th, 2018 “The Temporal Dynamics of Arc Regulate Cognitive Flexibility” ([Keynote Talk](#))
5. First Annual Georgia Collegiate Neuroscience Symposium, University of Georgia, Athens GA. April 20th, 2018
“Ubiquitin-dependent control of Cognition” (Invited Talk)
6. Atlanta Society for Neuroscience, January 25th, Atlanta GA, 2018.
“Ubiquitin-dependent Control of Cognition” (Invited Talk)
7. Atlanta Autism Consortium (AAC) and Emory Conte Center, Autism Research Symposium and Poster Session, Atlanta GA, September 28th 2017.
“Role of Protein Ubiquitination in Autism Spectrum Disorder” (Invited Talk)
8. Molecular Translational Diagnostics and Medicine Joint Group Meeting, Atlanta GA, May 24th, 2017.
“Emerging Roles of Arc Ubiquitination in Synaptic Plasticity” (Talk)
9. Egr3, Arc, and Neural Plasticity in Behavior and Psychiatry, Washington State University, Spokane WA, October 5th, 2015.
“Role of Ubiquitination in Post-Translational Regulation of Arc” (Invited Talk)
10. 12th National Meeting, France Association for Angelman Syndrome (AFSA). October 18th, 2014.
“Mechanisms of UBE3A Imprinting” (Talk)
11. 3rd Angelman Syndrome International Meeting, Paris France. October 17th, 2014.
“Mechanisms of UBE3A Imprinting” (Talk)
12. XIX Angelman Syndrome National Meeting (OR.S.A.), Perugia Italy. October 10th, 2014 .
“Mechanisms of UBE3A Imprinting” (Talk)
13. ASSERT Coventry, England. September 1st, 2012.
“A New Angle on Angelman Syndrome” ([Keynote Talk](#))
14. Third International Conference on Ubiquitin, Ubiquitin-Like Proteins and Cancer, Houston TX, 2006 (Talk)
15. MCP Signal Transduction Research Training Symposium, Madison WI, 2005 (Talk)
16. Clarkson University Department of Chemistry Seminar Series, Potsdam NY, 2002 (Talk)
17. NSF-sponsored REU Chemistry Seminar Talks, Storrs CT, 2000 (Talk)

PUBLISHED ABSTRACTS

Postdocs, [Graduate students](#), [undergraduate students](#), [high school students](#)

1. “Deletion of Rnf216/Triad3 in mice leads to sex-dependent changes in hippocampal activity and alterations in hippocampal-dependent behaviors.” [George AJ](#), [Wei Wei](#), Angela M. Mabb; Cold Spring Harbor Laboratory Neuronal Circuits Meeting, Cold Spring Harbor NY, March 17, 2022.
2. Huanbiao Mo, [Wei Wei](#), [Sophie Yount](#), Zachary Allen, [Katherine Bechdol](#), Weiming Xia, **Angela Mabb**, δ -Tocotrienol Increases Hippocampal Network Excitability Through Upregulation of GluA1-Containing AMPA

3. "Characterization of behavioral deficits in Activity-Regulated Cytoskeleton-Associated Protein knock-in (ArcKR) mice." [D. Yakout](#), Z. Allen, [J. Sexton](#), [N. Shree](#), [A. George](#), S. Moy, **A. Mabb**; Society for Neuroscience Meeting, San Diego CA, October 22, 2019.
4. "Neural coding in the dorsal CA1 hippocampus during behavioral flexibility." [M. Ghane](#), Z. Allen, J. Hamm, **A. Mabb**; Society for Neuroscience Meeting, San Diego CA, October 20th, 2019.
5. "Role of *Rnf216/Triad3* on neuron development and degeneration." [A. Charles](#), **A. Mabb**; Society for Neuroscience Meeting, San Diego CA, November 6, 2018.
6. "Emerging roles of *Rnf216/Triad3* in the hypothalamic-pituitary-gonadal axis." [A. George](#), **A. Mabb**; Society for Neuroscience Meeting, San Diego CA, November 6, 2018.
7. "Defects in Arc turnover impair cognitive flexibility." [A. Ghane](#), M. Wall, D. Collins, [S. Chery](#), Z. Allen, E. Pastuzyn, [A. George](#), V. Nikolova, S. Moy, B. Philpot, J. Shepherd, J. Muller, M. Ehlers, S. Correa, **A. Mabb**; Society for Neuroscience Meeting, San Diego CA, November 5, 2018.
8. "Dorsal CA1 ensemble activity during an attentional set-shifting task." [A. Ghane](#), [K. Daley](#), Z. Allen, I. Belykh, **A. Mabb**; Molecular and Cellular Cognition Society 17th Annual Symposium, San Diego CA, November 1, 2018.
9. "Effects of delta-Tocotrienol and lovastatin on GluA1 and the accumulation of Amyloid-beta protein: role of the mevalonate pathway." [K. Bechdol](#), [S.T. Yount](#), [S. Sparks](#), Z.A. Allen, **A. M. Mabb**, W. Xia, H. Mo; American Society of Nutrition, Boston, MA. June 6, 2018.
10. "The temporal dynamics of Arc expression regulate cognitive flexibility." **A. Mabb**, M. Wall, D. Collins, [S. Chery](#), Z. Allen, E. Pastuzyn, [A. George](#), V. Nikolova, S. Moy, B. Philpot, J. Shepherd, J. Muller, M. Ehlers, S. Correa; Society for Neuroscience Meeting, Washington, D.C. November 11-15, 2017.
11. "Effect of delta-Tocotrienols on GluA1 and amyloid beta protein: mevalonate pathway and beyond." **A. Mabb**, [S.T. Yount](#), Z.A. Allen, H. Mo, W. Xia; Society for Neuroscience Meeting; Washington, D.C. November 11-15, 2017.
12. "The temporal dynamics of Arc expression regulate cognitive flexibility." S. Correa, M. Wall, D. Collins, [S. Chery](#), Z. Allen, E. Pastuzyn, [A. George](#), V. Nikolova, S. Moy, B. Philpot, J. Shepherd, J. Muller, M. Ehlers, **A. Mabb**. 9th International Meeting on Metabotropic Glutamate Receptors, Taormina, Sicily, Italy, October 1-6, 2017.
13. "Triad3A regulates synaptic strength by ubiquitination of Arc." H.S. Je, **A. Mabb**, M. Wall, C. Robinson, R. Larsen, Y. Qiang, S. Correa, M. Ehlers; Society for Neuroscience Meeting, Washington, D.C. November 15-19, 2014.
14. "Feasibility of high-throughput screening in neurons using microarray arrays." M. Niedringhaus, **A. Mabb**, Y. Wang, P. Kunz, B. Philpot, N. Allbritton, A. Taylor; Society for Neuroscience Meeting, San Diego, CA. November 9-13, 2013.
15. "Triad3A regulates synaptic strength by ubiquitination of Arc at endocytic zones." **A. Mabb**, H. Je, R. Larsen, C. Robinson, M. Ehlers. Keystone Symposia: Synapses and Circuits: From Formation to Disease, Steamboat Springs CO, April 1-6, 2012.
16. "Triad3A regulates synaptic strength by ubiquitination of Arc at endocytic zones." **A. Mabb**, H. Je, R. Larsen, C. Robinson, M. Ehlers; Society for Neuroscience Meeting, Washington DC, November 2011.

17. "PIASy mediates NEMO SUMOylation and NF- κ B activation in response to genotoxic stress." **A. Mabb**, S. Davis, S. Miyamoto; Department of Defense Era of Hope Breast Cancer Research Conference, Baltimore MD, June 25-28, 2008.
18. "A SUMO E3 promotes NEMO SUMOylation and NF- κ B activation in response to genotoxic stress." **A. Mabb**, S. Wuerzberger-Davis, S. Miyamoto; Keystone Symposia: NF- κ B: 20 Years on the Road from Biochemistry to Pathology, Banff AB, March 23-28, 2006
19. "A SUMO ligase for NEMO." **A. Mabb** and S. Miyamoto; The Ubiquitin Family meeting at Cold Spring Harbor Laboratory, Cold Spring Harbor NY, May 2005.

RELEVANT NEUROSCIENCE-RELATED COURSES:

- MBL Woods Hole Neurobiology Course. Summer 2009
- Neurobiology of Disease. Fall 2008

PROFESSIONAL SOCIETIES

- American Society for Biochemistry and Molecular Biology (ASBMB) Member. 2021 - present
- Faculty for Undergraduate Neuroscience (FUN) Member. 2020 – present
- National Ataxia Foundation (NAF) Member. 2019 – present
- Molecular and Cellular Cognition Society (MCCS). 2018 – present
- Atlanta Autism Consortium Member. 2017 – present
- Lifetime Member, Nu Rho Psi, Neuroscience Academic Honor Society. 2016 – present
- Member, Society for Neuroscience. 2010 – 2021

MENTORSHIP AND TRAINING**Current Postdoctoral fellows**

- Dr. Wei Wei, Neuroscience Institute (June 2018 – December 2019), (March 2021 – present)

Current Doctoral students

- Dina Yakout, Neuroscience Institute (February 2018 – Present)
- Mohammad Ghane, Neuroscience Institute (July 2017 – Present)
- Arlene George, Neuroscience Institute (October 2016 – Present)

Current Master students

- Dominique Granville, Neuroscience Institute (January 2021 – Present)
- Doyal Datta, Neuroscience (August 2021 – December 2021, undergraduate) (January 2022 – present)

Former Postdoctoral fellows

- Dr. Harshul Batra, Neuroscience Institute. Co-mentored with Dr. Elliott Albers and Dr. Daniel Cox. (September 2017 – March 2018)

Former Doctoral students

- Feyza Ciger, Neuroscience Institute (August 2021 – October), rotation student

Former Master students

- Jayashree Kadirvelu, Georgia State University, Neuroscience Institute (July 2017 – December 2019), St. George's University School of Medicine (spring 2020 - present)

Former post baccalaureates (with current affiliations)

- Dustin E. Grossman, Georgia State University (Undergrad October 2018 – May 2020, Postbac June 2020 – May 2021), University Assistantship Scholar (January 2019 – May 2020), Gates Summer Research Internship Program at the Gates Center for Regenerative Medicine, University of Colorado Anschutz Medical campus (May 2021 –

August 2021). Medical Sciences in Biology MS program, Georgia State University.

- Aryonne Genae'Link, Georgia State University (Undergrad June 2020 – December 2020, postbac January – March 2021), Presidential Scholar, Morehouse School of Medicine (fall 2021 – present)
- Lucas Gomes Marques, Georgia State University, post baccalaureate researcher volunteer (October 2017 – December 2018), Morehouse School of Medicine (fall 2019 – present)

Former Undergraduate students (with current affiliations)

- Adi Mehtani, Biology (August 2021 – January 2022), University Assistantship Scholar
- Nitheyaa Shree Ramesh, Georgia State University (August 2019 – June 2021), University Assistantship Scholar, Barry Goldwater Scholar (May 2019 – May 2021), Brains and Behavior summer research scholar (2020), postbac volunteer (May 2021 – June 2021). University of Bristol, Biochemistry Ph.D. program
- Shayan Parvini Jafabadi, Perimeter College/Georgia State University (June 2019 – August 2019), CASA summer Program, Emory University Biology Major (2020 – Present).
- Antoinette J. Charles, Georgia State University, University Assistantship Scholar, Gates Millenium Scholar, Barry Goldwater Honorable Mention, GSU Student of the Year (August 2016 – May 2019), Post-baccalaureate Intramural Research Training Award (IRTA) at the NIMH Office of the Clinical Director working under Dr. Joyce Chung, Deputy Clinical Director (June 2019 – spring 2020). Duke University Medical School (fall 2020 - Present)
- Sophie T. Yount, Georgia State University, Brains & Behavior Scholar (summer 2017), Co-mentored with Dr. Huanbiao Mo (June 2017– December 2018), Emory University Molecular and Systems Pharmacology Graduate Program (2019 - Present)
- Fernanda P. Tallard, Georgia State University undergraduate/post baccalaureate researcher (May 2017 – September 2018)
- Bailey B. Cottrill, Georgia State University, GSU IMSD student (November 2016 – June 2018), Honors thesis, accepted into University of Texas-Dallas Neuroscience Graduate Program (2018)
- Samantha L. Chery, Georgia State University, GSU IMSD student, undergraduate/post baccalaureate researcher (June 2016 – June 2017), University of North Carolina, PREP Program (2017-2018), University of North Carolina Biological and Biomedical Sciences Ph.D. Program (2018 – Present)
- Christopher Ware, University of Georgia, volunteer summer student (June 2016 - August 2016), University of Chicago PREP program (June 2018 – August 2019), Georgia State University Neuroscience Institute Graduate Program (2019 – Present)
- Sophia Brancazio, Oberlin College (summer 2012, winter 2013), medical student at the University of North Carolina-Chapel Hill (2015-2019), Resident Ob/Gyn Atrium Health Carolinas Medical Center

Former High School students

- Joseph Sexton, Forsyth High School (June 2018 – August 2019), Vanderbilt University (2019 – present)

Dissertation Committees, Graduate Students

- In Ho Jeong, Georgia State University, Chemistry (February 2022 – present)
- Connor Gallimore, Georgia State University, Neuroscience Institute (August 2021 – present)
- Christopher Ware, Georgia State University, Neuroscience Institute (July 2021 – present)
- Li Tian, Georgia State University, Chemistry (May 2021 – present)
- Ruochuan Liu, Georgia State University, Chemistry (March 2021 – present)
- Xiaonan Deng, Georgia State University, Chemistry (March 2021 – April 2021)
- Erin N. Lottes, Georgia State University, Neuroscience Institute (July 2020 – present)
- Shaghayegh Navabpour, Virginia Tech (July 2020 – present)
- Li Zhou, Georgia State University, Chemistry (October 2018 – November 2021)
- Dina Yakout, Georgia State University, Neuroscience Institute (February 2018 – present)
- Shatabdi Bhattacharjee, Georgia State University, Neuroscience Institute (July 2017 – July 2020)
- Mohammad Ghane, Georgia State University, Neuroscience Institute (July 2017 – present)
- Atit Patel, Georgia State University, Neuroscience Institute (June 2017 – present)
- Cassandra L. Miller, Georgia State University, Chemistry (March 2019 – July 2019)
- David Mudd, Georgia State University, Neuroscience Institute (May 2017 – July 2019)

- Leah Krevitt, Georgia State University, Neuroscience Institute (June 2017 – August 2018)
- Arlene George, Georgia State University, Neuroscience Institute (October 2016 – present)

Neuroscience Advisory Committee, Graduate Students

- Chair, Feyza Ciger, Georgia State University, Neuroscience Institute (August 2021 – present)
- Member, Maria Claudia Manieri, Georgia State University, Neuroscience Institute (August 2021 – present)
- Member, Anna Rader, Georgia State University, Neuroscience Institute (August 2020 – present)
- Member, Georgia Bastos, Georgia State University, Neuroscience Institute (August 2019 – present)
- Member, Dusty Moon, Georgia State University, Neuroscience Institute (August 2018 – 2020)
- Member, Dina Yakout, Georgia State University, Neuroscience Institute (August 2017 – 2019)
- Chair, Mohammad Ghane, Georgia State University, Neuroscience Institute (August 2017 – 2019)
- Chair, Arlene George, Georgia State University, Neuroscience Institute (August 2016 – 2018)

Thesis Committee Member, Masters Students

- Katherine F. Bechdol, Georgia State University, Department of Nutrition (March 2019 – August 2019)

Masters Non-Thesis Mentor

- Sean M. Walsh, Georgia State University, Biology (BIOL 8888, spring 2019)
- Antoinette M. Morris, Georgia State University, Biology (BIOL 8888, fall 2017)

Masters Non-Thesis Reader

- Jeannette Oladji, Georgia State University, Biology (fall 2020)
- Nicholas M. McGregor, Georgia State University, Biology (spring 2019)
- Justin K. Messex, Georgia State University, Biology (spring 2019)
- Michael C. Okoro, Georgia State University, Biology (spring 2019)

Undergraduate Thesis Reader

- Aryonne Genae'Link, Georgia State University, Neuroscience (fall 2020)

Undergraduate Thesis Mentor

- Nitheyaa Shree, Georgia State University (NEUR 4880, spring 2021)
- Dustin Grossman, Georgia State University (NEUR 4880, spring 2020)
- Bailey Cottrill, Georgia State University (NEUR 4880, spring 2018)

GSU ION Program Mentor

- Joseph Sexton, Forsyth High School (summer 2018)

SELECTED HONORS AND AWARDS FOR GRADUATE/UNDERGRADUATE/HIGH SCHOOL STUDENTS

- Dina Yakout (Graduate), Honeycutt Fellowship (September 2021 – Present)
- Nitheyaa Shree Ramesh (Undergraduate), Neuroscience Institute Outstanding Undergraduate Award and GSU's Outstanding Student for 2021
- Dina Yakout (Graduate), Outstanding Graduate Student Teaching Award 2021
- Nitheyaa Shree Ramesh (Undergraduate), first GSU recipient of The Marshall Scholarship 2021
- Mohammad Ghane (Graduate), Honeycutt Fellowship (September 2020 – Present)
- Arlene George (Graduate), Honeycutt Fellowship (September 2020 – Present)
- Dina Yakout (Graduate), Molecular Basis of Disease (MBD) Fellowship (September 2020 – Present)
- Nitheyaa Shree Ramesh (Undergraduate), *Nu Rho Psi* National Undergraduate Research Grant (May 2020)-**\$1,000 award**. 1 of 4 students nationally
- Dustin Grossman (Undergraduate), Gates Summer Research Internship Program, Gates Center for Regenerative Medicine, University of Colorado Anschutz Medical Campus summer 2020/2021
- Joseph Sexton (High School), Cornelius Vanderbilt Scholarship 2019
- Antoinette Jasmine Charles (Undergraduate), Post-baccalaureate Intramural Research Training Award (IRTA) at the

- NIMH Office of the Clinical Director working under Dr. Joyce Chung, Deputy Clinical Director 2019
- Arlene George (Graduate), Japanese Neuroscience Society Travel Award (Niigata, Japan) 2019
 - Joseph Sexton (High School), 4th place in the Life Sciences Division for Intel's International Science and Engineering Fair (ISEF) 2019
 - Antoinette Jasmine Charles (Undergraduate), GSU's Outstanding Student for 2019
 - Antoinette Jasmine Charles (Undergraduate), *Nu Rho Psi* National Undergraduate Research Grant (2018)-**\$1,000 award**. 1 of 4 students nationally
 - Arlene George (Graduate), Brains & Behavior Fellowship (August 2018 – present)
 - Antoinette Jasmine Charles (Undergraduate), MedPREP@Emory Scholar program (summer 2018)
 - Sophie Yount (Undergraduate), REU Program Indiana University of Bloomington (summer 2018)
 - Mohammad Ghane (Graduate), Science ATL Communication Fellowship (July 2018) -**\$600 stipend**
 - Antoinette Jasmine Charles (Undergraduate) GSU Goldwater Scholarship Nominee, Goldwater Scholarship Honorable Mention (2017)
 - Antoinette Jasmine Charles (Undergraduate), NYU Summer Undergraduate Research Program (SURP) at the Sackler Institute at NYU School of Medicine (summer 2017)
 - Bailey B. Cottrill (Undergraduate), Marcus Autism Center Undergraduate Practicum Training (summer 2017)
 - Bailey B. Cottrill (Undergraduate), Phi Mu Foundation Academic Scholarship (June 2017)
 - Dina Yakout (Graduate), 2CI Neurogenomics Fellowship (August 2016 – September 2020)
 - Mohammad Ghane (Graduate), 2CI Neurogenomics Fellowship (August 2016 – present)
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COURSES TAUGHT AT GEORGIA STATE UNIVERSITY

- NEUR 8000-Introduction to Neuroscience (4 credits), fall 2021
- NEUR 8050-Skills for Professional Neuroscientists (3 credits), spring 2019, spring 2021
- NEUR 6115/4115/4115H, BIOL 6115/4115/4115H-Medical Neuroanatomy (4 credits), fall 2017, fall 2018, fall 2020
- NEUR 6015/4010/4010H, BIOL 6930-Cellular and Molecular Neuroscience (4 credits), spring 2017, spring 2018, spring 2020

Mentoring-based courses

- NEUR 9920-Advanced Directed Readings (3 credits), spring 2018, summer 2018, fall 2018
- BIOL 8888-Non-Thesis Master's Research (4 credits), spring 2019
- NEUR 4980-Undergraduate Neuroscience Research, fall 2016, spring 2018, fall 2018
- NEUR 4880-Honors Thesis Research (3 credits), spring 2018, spring 2020, spring 2021
- NEUR 4870-Honors Thesis Research (3 credits), fall 2017

Guest Lectures

- BIOL 8310/8710-Ubiquitin and Autophagy, spring 2021, spring 2022
- NEUR 6015/4010/4010H, BIOL 6930-Cellular and Molecular Neuroscience, spring 2019
- NEUR 4200/4200H/6200, BIOL 4200/4200H/6200-Neuroscience of Memory, fall 2018, spring 2022

Certifications

- Mastering Online Teaching: Fundamentals of Course Design and Delivery
(https://api.badgr.io/public/assertions/IJK1X19eSnCpbrRAE6Er3Q?identity_email=amabb%40gsu.edu)

PREVIOUS TEACHING EXPERIENCE

- **University of North Carolina-Chapel Hill, Chapel Hill, NC.** 2011 - 2015
UNC Graduate and Medical Student Rotation Mentor
 - **North Carolina State University.** 2015
Exam/Quiz Proctor
 - **University of North Carolina-Chapel Hill, Chapel Hill, NC.** 2012 - 2013
UNC Post baccalaureate Research Education Program (PREP) Student Mentor
 - **Clarkson University Department of Chemistry Potsdam, NY.** 2001 - 2002
CM105-General Chemistry Lab, Teaching Assistant
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ADMINISTRATION AND SERVICE

Department

- Academic Program Review Committee, 2022 – Present
- Neuroscience Institute Non-Tenure Track Department Promotion Review Committee, Spring 2022
- Graduate Program Committee, 2021 – Present
- Brains & Behavior Ambassador, 2017 – Present
- 2CI Neurogenomics Fellows Committee, 2017 – Present
- Academic Professional Search Committee, 2021
- Neuroscience Qualifying Exam Cell and Molecular Neuroscience subject examiner, 2020, 2021
- Undergraduate Program Committee, 2018 - 2019
- Neuroscience Institute Committee on Research & Facilities, 2016 - 2019
- Neuroscience Institute Faculty Search Committee, 2017 – 2018
- Neuroscience Institute Faculty Search Committee, 2016 – 2017

Department *ad hoc* committees

- Graduate Program Committee Awards Subcommittee, 2019 – present
- Neuroscience Institute Research Focus Group, 2018
- Brains & Behavior Fellowship Pre-Selection Committee, 2017

University

- GSU Institutional Biosafety Committee (IBC), Vice Chair, 2021 – present
- Dual Use Research of Concern (DURC) subcommittee, Vice Chair, 2021 – present
- Confocal S10 Advisory Committee, 2021 – Present
- GSU Institutional Biosafety Committee (IBC) member, 2019 – 2021
- Brains & Behavior Seed Grant Review Committee, 2020, 2022
- Volunteer Judge, Georgia State Undergraduate Research Conference, 2018, 2019, 2020, 2021
- Proposal Reviewer, Georgia State Undergraduate Research Conference, 2017

Regional

- Atlanta Chapter of the Society for Neuroscience (ACSFN) governing council, 2019 – present

Former Institutions

- University of Wisconsin-Madison, Molecular and Cellular Pharmacology Steering Committee. 2003 - 2007
- University of Wisconsin-Madison, Vilas Fellowship Peer Review Committee. 2006

CURRENT EXTERNAL COLLABORATORS

- Sonia Correa, Ph.D., University of Bradford, Bradford School of Pharmacy, West Yorkshire, United Kingdom
- Erik Hrabovszky, Ph.D., Institute of Experimental Medicine, Hungary
- Weiming Xia, Ph.D., Bedford VA Medical Center, Boston University, Boston, MA
- Mark Wall, Ph.D., University of Warwick, Life Sciences, Coventry, United Kingdom
- Ning Fang, Ph.D., Professor, Xiamen University, Fujian, China

CURRENT INTERNAL COLLABORATORS

- Jun Yin, Ph.D., Associate Professor, Chemistry, Georgia State University, Atlanta, GA
- Jenny Yang, Ph.D., Professor, Chemistry, Georgia State University, Atlanta, GA
- Marise Parent, Ph.D., Professor, Associate Director, Neuroscience Institute, Georgia State University, Atlanta, GA
- Huanbiao Mo, Ph.D., Dean Byrdine F. Lewis College of Nursing and Health Professions, Nutrition, Georgia State University, Atlanta, GA
- Anne Murphy, Ph.D., Professor, Neuroscience Institute, Georgia State University, Atlanta, GA
- Javier Stern, Ph.D., Professor, Neuroscience Institute, Georgia State University, Atlanta, GA
- Desiree Wanders, Ph.D., Associate Professor, Nutrition, Georgia State University, Atlanta GA

MEDIA

ScienceDaily. 2021

Scientists develop new sensor to capture calcium activity in cells

<https://www.sciencedaily.com/releases/2021/10/211019120130.htm>

EurekAlert. 2018

Single protein on-off switch controls learning flexibility and acquisition of new memories

https://www.eurekalert.org/pub_releases/2018-05/uob-spo052918.php

ScienceDaily. 2018

Memory depends on protein 'off-switch'

<https://www.sciencedaily.com/releases/2018/05/180531131057.htm>

Medical Xpress. 2018

Single protein on-off switch controls learning flexibility and acquisition of new memories

<https://medicalxpress.com/news/2018-05-protein-on-off-flexibility-acquisition-memories.html>

Daily Mail. 2018

Switching a single protein 'on' and 'off' controls our ability to learn – and fixing it could offer hope to Alzheimer's sufferers

<http://www.dailymail.co.uk/health/article-5791507/Switching-single-protein-controls-ability-learn-adapt.html>

Georgia State University Research Office. 2018

Study reveals protein longevity in the brain controls flexible learning

<https://news.gsu.edu/2018/05/31/study-reveals-protein-longevity-in-the-brain-controls-flexible-learning/>

The Charlotte Observer. 2015

"Could autism and 'chemo brain' share similar origin?"

Contribution: Article highlight

<http://www.charlotteobserver.com/news/science-technology/article9513272.html>

Medical Xpress. 2014

"Researchers pinpoint chemo effect on brain cells, potential link to autism"

Contribution: Article highlight

<https://medicalxpress.com/news/2014-12-chemo-effect-brain-cells-potential.html>

UNC Health Care and UNC School of Medicine. 2014

"UNC researchers pinpoint chemo effect on brain cells, potential link to autism"

Contribution: Article highlight

<http://news.unchealthcare.org/news/2014/december/unc-researchers-pinpoint-chemo-effect-on-brain-cells-potential-link-to-autism>

Simon's Foundation Autism Research Institute (SFARI). 2011

"Insights for autism from Angelman's syndrome"

Contribution: Author

<https://spectrumnews.org/opinion/viewpoint/insights-for-autism-from-angelman-syndrome/>

SFARI Wikipedia entries. 2011

Contribution: First author

<https://spectrumnews.org/wiki/angelman-syndrome/>

<https://spectrumnews.org/wiki/ube3a/>

VOLUNTEER EXPERIENCE

Atlanta Science Festival, Volunteer "Touch-a-brain" booth. 2022

Interactive hands-on educational experience for children and adults giving them the opportunity to touch the brains of different animals that included rodent, sheep, horse, macaque, dolphin, and human.

Atlanta Brain Bee 2020 Expo. 2020

Organized and designed a Mabb lab demonstration booth for high school students and their families on procedural memory.

SfN Neuroscience Institute Graduate Recruitment Booth. 2016, 2017, 2018

Volunteer

UNC Postdoc Bootcamp Day. 2015

Postdoc Panelist

Ramblin' Rose Women's Triathlon. 2014

Volunteer

SCIENCE ART EXHIBITS

North Carolina Museum of Art

"The Art of Science and Innovation Exhibit". November 7th – January 14th, 2019

"A mindful Inhibition", Authors: Mark Zylka, Bonnie Taylor-Blake, and Angela Mabb



"Along the Path", Authors: Mark Zylka, Bonnie Taylor-Blake, and Angela Mabb



CERTIFICATIONS

CrossFit Level 1 Trainer 2020 – present