ANILA MARIA D'MELLO

Office: NE5.110K, Lab: NE5.102, 2201 Inwood Rd., Dallas, Texas 75390
Office: (214)-645-7669 | Email: anila.dmello@utsouthwestern.edu | Website: www.dmellolab.com

ACADEMIC POSITIONS

2022 – **Assistant Professor (Primary)**
Jon Heighten Scholar in Autism Research
Department of Psychiatry & Peter O'Donnell Jr. Brain Institute
University of Texas Southwestern Medical Center, Dallas, TX

Assistant Professor (Dual Appointment)
Department of Psychology
University of Texas at Dallas, Richardson, TX

RESEARCH AFFILIATIONS

2023 – **Affiliate**, Department of Speech, Language, and Hearing, University of Texas at Dallas

2022 – **External Fellow**, Center for Vital Longevity, University of Texas at Dallas

2022 – **Affiliate**, McGovern Institute for Brain Research, Massachusetts Institute of Technology

EDUCATION AND TRAINING

2017 – 2022 **Postdoctoral Fellow**
Massachusetts Institute of Technology, Cambridge, MA
Advisor: Dr. John Gabrieli

2017 **Ph.D. in Behavior, Cognition, and Neuroscience**
American University, Washington, DC
Advisor: Dr. Catherine Stoodley

2012 **B.A. in Psychology with Honors**, *magna cum laude*
Georgetown University, Washington, DC
Second Major: Government, Minor: French

RESEARCH GRANTS & FELLOWSHIPS

As Principal Investigator

2024 – 2027 **SFARI Bridge to Independence Award**   Total Costs: $600,000
Simons Foundation for Autism Research
"Characterizing the neural underpinnings of cognitive inflexibility in autism spectrum disorders"
Role: PI

2019 – 2022 **NIH F32MH117933**   Total Costs: $221,884
National Institutes of Mental Health
"Characterizing neural adaptation in autism spectrum disorder"
Role: PI (Fellow); Advisors: Drs. John Gabrieli & Tyler Perrachione

2018 – 2019 **SCSB Postdoctoral Fellowship**   Total Costs: $62,140*
Simons Center for the Social Brain, Massachusetts Institute of Technology
"Characterizing neural adaptation in autism spectrum disorder"
Role: PI (Fellow); Advisors: Drs. John Gabrieli & Pawan Sinha
*Second year declined to accept F32 award

2016 **Doctoral Dissertation Student Research Scholarship**   Total Costs: $5,000
College of Arts and Sciences, American University
Role: PI; Advisor: Dr. Catherine Stoodley

2024 – 2026   **Young Investigator Grant**   Total Costs: $25,000
                Israel National Institute of Psychobiology
                "Elucidating the neural mechanisms of enhanced rationality in autism"
                PI: Liron Rozenkrantz
                Role: Sub-award PI

Support for trainees

2024 – 2025   **Peter O'Donnell Jr. Brain Institute (OBI) Sprouts Program**   Total Costs: $25,000
                Peter O'Donnell Jr. Brain Institute, University of Texas Southwestern Medical Center
                "Exploring Language System Reorganization Following Pediatric Cerebellar Disruption through High-Resolution Neuroimaging"
                PI: Bangjie Wang
                Role: Mentor

2023 – 2024   **Shenoy Undergraduate Research Fellowship in Neuroscience (SURFiN)**   Total Costs: $36,900
                Simons Foundation
                Stipends and research support for three undergraduate students pursing research in the PI's lab
                Role: PI

AWARDS & RECOGNITIONS

2022	**Jon Heighten Scholar in Autism Research,** UTSW
2017	**Outstanding Scholarship at the Graduate Level,** American University
2015, 2016	**College of Arts and Sciences Conference Travel Grant,** American University
2014, 2015	**Mellon Graduate Student Research Award,** College of Arts and Sciences, American University
2015	**Greenberg Professional Development Conference Grant Award,** Center for Teaching, Research, and Learning, American University
2014	**Abstract selected as "Neuroscience Hot Topic" for press release by Society for Neuroscience**
2014	**Best Professional Presentation in the Sciences by a Graduate Student,** 24th Annual Robyn Rafferty Mathias Student Research Conference, American University

PUBLICATIONS

*denotes undergraduate, research assistant, or graduate student mentee

Peer-reviewed

LeBel, A., & **D'Mello, A.M.** (2023) A seat at the (language) table: incorporating the cerebellum into frameworks for language processing. *Current Opinions in Behavioral Sciences.*

Marks, R.A., Pollack, C., Meisler, S.L., **D'Mello, A.M.,** Centanni, T.M., Romeo, R.R., Wade K., Matejko, A.A., Ansari, D., Gabrieli, J.D.E., Christodoulou, J.A. (2023) Neurocognitive risk factors for co-occurring math difficulties in dyslexia: Differences in executive function and visuospatial processing. *Developmental Science.*

D'Mello, A.M., Frosch, I.R., Meisler, S.L., Grotzinger, H., Perrachione, T.K., Gabrieli, J.D.E. (2023) Diminished repetition suppression reveals selective and systems-level face processing differences in ASD. *Journal of Neuroscience.* https://doi.org/10.1523/JNEUROSCI.0608-22.2023.

D'Mello, A.M., Frosch, I.R., Li, C., Cardinaux, A., Gabrieli, J.D.E. (2022) Participation of females in autism research: empirical evidence for a "leaky" recruitment-to-research pipeline. *Autism Research.* https://doi.org/10.1002/aur.2795.

D'Mello, A.M., Bach P., Corlett, P., Rozenkrantz, L. (2022) Editorial: Predictive Mechanisms in Action, Perception, Cognition, and Clinical Disorders. *Frontiers in Human Neuroscience.* https://doi.org/10.3389/fnhum.2022.1005905.

Olson, H.A.* & **D'Mello, A.M.** (2022) The Social Brain. *Oxford Research Encyclopedia of Psychology*. Oxford University Press. Ed. Oliver Braddick.

Frosch, I.R.*, Mittal, V.A., **D'Mello, A.M.** (2022) Cerebellar contributions to adaptive prediction and Autism

Spectrum Disorders. Invited submission to *Frontiers in Integrative Neuroscience* 16.

Al Dahhan, N.Z., Halverson, K., Peek, C.P., Wilmot, D., **D'Mello, A. M.,** Romeo, R., Meegoda, O., Imhof, A., Wade, K., Sridhar, A., Centanni, T.M., Gabrieli, J.D.E., & Christodoulou, J.A. (2022). Dissociating executive function and ADHD influences on reading ability in children with dyslexia. *Cortex.*

Pollack, C., Wilmot, D., Centanni, T., Halverson, K., Frosch, I., **D'Mello, A.M.,** Romeo, R., Capella, J., Imhof, A., Wade, K., Al Dahhan, N., Gabrieli, J.D.E. & Christodoulou, J.A. (2021) Anxiety, motivation, and competence in math and reading in children with and without learning difficulties. *Frontiers in Psychology,* 4193. https://doi.org/10.3389/fpsyg.2021.704821

Rozenkrantz, L., **D'Mello, A.M.[§],** Gabrieli, J.D.E (2021) Enhanced Rationality in Autism Spectrum Disorder. *Trends in Cognitive Sciences* 25(8):685-696. https://doi.org/10.1016/j.tics.2021.05.004
[§] *Illustrated cover for this issue; chosen as cover article.*

Rice, L., **D'Mello, A.M.,** Stoodley, C.J. (2021) Differential behavioral and neural effects of regional cerebellar tDCS. *Neuroscience* 462, 288-302*.* https://doi.org/10.1016/j.neuroscience.2021.03.008

D'Mello A.M., Gabrieli J.D.E, Nee D.E. (2020) Evidence for Hierarchical Cognitive Control in the Human Cerebellum. *Current Biol*ogy 30(10), 1881-1892.e3. https://doi.org/10.1016/j.cub.2020.03.028

D'Mello, A.M., Centanni, T.M., Christodoulou, J.A., Gabrieli, J.D.E. (2020) Cerebellar contributions to rapid semantic processing in reading. *Brain and Language* 208, 104828 https://doi.org/10.1016/j.bandl.2020.104828

D'Mello, A.M., Rozenkrantz, L. (2020) Neural mechanisms for prediction: from action to higher-order cognition. *Journal of Neuroscience* 40(27):5158-5160. https://doi.org/10.1523/JNEUROSCI.0732-20.2020

Arnold Anteraper, S., Guell, X., Hollingshead, M., **D'Mello, A.M.,** Whitfield-Gabrili, S., Whitfield-Gabrieli, S., Biederman, J., Joshi, G. (2020) Functional Alterations Associated with Structural Abnormalities in Adults with High-Functioning Autism Spectrum Disorder. *Brain Connectivity* 10(7):368-376. https://doi.org/10.1089/brain.2020.0746

Guell, X., **D'Mello, A.M.,** Romeo., R.R., Hubbard, N.A., Schmahmann, J., Gabrieli, J., Arnold Anteraper, S. (2020) Functional territories of the human dentate nucleus*. *Cerebral Cortex* 30(4):2401-2417. https://doi.org/10.1093/cercor/bhz247
Chosen as cover article

Arnold Anteraper, S., Guell, X., Taylor, P.H., **D'Mello, A.M.**, Whitfield-Gabrili, S., Joshi, G. (2019) Intrinsic connectivity of the dentate nuclei in autism spectrum disorder. *Brain Connectivity* 9(9), 692-702. https://doi.org/10.1089/brain.2019.0692

D'Mello, A.M. & Gabrieli, J.D.E (2018) Cognitive neuroscience of dyslexia. *Language, Speech, and Hearing Services in Schools* 49(4), 798-809. https://doi.org/10.1044/2018_LSHSS-DYSLC-18-0020

Arnold Anteraper, S., Guell, X., **D'Mello, A.M.,** Joshi, N., Whitfield-Gabrieli, S., Joshi, G. (2018) Disrupted cerebro-cerebellar intrinsic functional connectivity in young adults with high-functioning autism spectrum disorder: A data-driven, whole-brain, high temporal resolution fMRI study. *Brain Connectivity* 9(1):48-59. https://doi.org/10.1089/brain.2018.0581

Stoodley, C.J., **D'Mello, A.M.** [§], Ellegood, J., Jakkamsetti, V., Liu, P., Nebel, M.B., Gibson, J.M., Kelly, E., Fantao, M., Cano, C., Pascual, J., Mostofsky, S.H., Lerch, J.P., Tsai, P.T. (2017) Altered cerebellar connectivity in autism and cerebellar-mediated rescue of autism-related behaviors in mice. *Nature Neuroscience* 20(12), 1744-1751. https://doi.org/10.1038/s41593-017-0004-1
[§] *Illustrated cover for this issue; chosen as cover article.*

D'Mello, A.M., Turkeltaub, P.E., Stoodley, C.J. (2017) Cerebellar tDCS modulates neural circuits during semantic prediction: A combined tDCS-fMRI study. *Journal of Neuroscience* 37(6), 1604-1613. https://doi.org/10.1523/JNEUROSCI.2818-16.2017

Moore, D., **D'Mello, A.M.,** McGrath, L., Stoodley, C.J. (2017) The developmental relationship between specific cognitive domains and grey matter in the cerebellum. *Developmental Cognitive Neuroscience* 24, 1-11. https://doi.org/10.1016/j.dcn.2016.12.001

Stoodley, C.J., Swears, M., **D'Mello, A.M.**, Turkeltaub, P. (2016) Cerebellar tDCS as a novel treatment for aphasia?

Evidence from behavioral and resting-state functional connectivity data in healthy adults. *Restorative Neurology and Neuroscience* 34(4), 491-505. https://doi.org/10.3233/RNN-150633

D'Mello, A.M., Moore, D., Crocetti, D., Mostofsky, S., Stoodley, C.J. (2016) Cerebellar grey matter differentiates children with early language delay in ASD. *Autism Research* 9(11), 1191-1204. https://doi.org/10.1002/aur.1622

D'Mello, A.M. and Stoodley, C.J. (2015) Cerebro-cerebellar circuits in autism spectrum disorder. *Frontiers in Neuroscience* 9, 408. https://doi.org/10.3389/fnins.2015.00408

D'Mello A.M., Crocetti D., Mostofsky S.H., and Stoodley C.J. (2015) Cerebellar grey matter and lobular volumes correlate with core autism symptoms. *Neuroimage: Clinical* 7, 631-639. https://doi.org/10.1016/j.nicl.2015.02.007

In Preparation & Submitted

Olson, H.A. [†], Johnson, K.T. [†], Nishith, S., Frosch, I.R., Gabrieli, J.D.E., **D'Mello, A.M.** (*Under Review*) Personal Interests Amplify Engagement of Language Regions in the Brains of Children with and without Autism. https://www.biorxiv.org/content/10.1101/2022.08.11.503597v1.full. [†]*Shared first authorship*.

O'Brien, A.M., May, T. A., Koskey, K. L. K., Bungert, L., Cardinaux, A., Cannon, J., Treves, I. N., **D'Mello, A. M.**, Joseph, R., Li, C., Diamond, S., Gabrieli, J. D. E., Sinha, P. (*Revising for Resubmission*). Development of a Self-Report Measure of Prediction in Daily Life: The Prediction Related Experiences Questionnaire. *Submitting to: Psychological Assessment.*

O'Brien, A.M., Perrachione, T.K., Gabrieli, J.D.E., **D'Mello. A.M.** (*In Preparation*). Increased spatial heterogeneity in perceptual processing in autism spectrum disorder.

Science Communication

D'Mello, A.M. (2022) How scientists can counteract their unwitting contributions to autism's sex bias. Spectrum Autism Research News.
https://www.spectrumnews.org/opinion/how-scientists-can-counteract-their-unwitting-contributions-to-autisms-sex-bias/

Rozenkrantz, L. & **D'Mello, A.M.** (2022) Autistic people challenge preconceived ideas about rationality. *Aeon + Psyche Magazine.*
https://psyche.co/ideas/autistic-people-challenge-preconceived-ideas-about-rationality

D'Mello, A.M. & Flynn, O. (2019). Respect the Poster. *Science.* 366(6466), 766-766.
https://doi.org/10.1126/science.366.6466.766

D'Mello, A.M. (2019) "What is the Social Brain?"
Guest blog post for the "Ask the Brain" series in the McGovern Institute for Brain Research Newsletter.
https://mcgovern.mit.edu/2019/10/04/what-is-the-social-brain/

D'Mello, A.M. (2018) "Excellence in Neuroscience Training at AU"
Article in The Catalyst (American University College of Arts and Sciences Magazine devoted to promotion of STEM programs) about personal experience with graduate training opportunities at American University.
https://www.american.edu/cas/news/excellence-in-neuroscience-training-at-au.cfm

D'Mello, A.M. (2017) "Changing the Brain and Watching it Happen"
Article in The Catalyst about dissertation research.
https://www.american.edu/cas/news/changing-the-brain.cfm

CONFERENCE PRESENTATIONS

Talks
D'Mello A.M., O'Brien, A.M., Perrachione, T.K., Gabrieli, J.D.E. (2024). Autistic adults show increased variability in cortical selectivity across social and non-social domains. *Symposium*: *Leveraging social cognitive neuroscience tools to characterize heterogeneity in Autism Spectrum Disorder. Cognitive Neuroscience Society, Toronto*.

Stoodley C.J., Rice L.C., **D'Mello A.M**. (2022) Cerebellar modulation of social behaviors in autism. *Flux Congress, Paris. Symposium: The potentially big role of the "little brain" in cognitive development.*

D'Mello, A.M. (2020) The role of the cerebellum in language and neurodevelopmental disorders. *Organization for Human Brain Mapping Annual Conference 2020*, *Educational Course on Imaging the Cerebellum (Virtual due to COVID-19).*

D'Mello, A.M. (2019) Cerebello-cerebral circuits in language processing and development. *Society for Neuroscience Annual Meeting, Chicago. Minisymposium: Functional Maturation of Cerebello-Cerebral Circuits.*

Stoodley, C.J., **D'Mello, A. M.,** Blevins, L. C., Martin, S. E. (2019) Cerebellar tDCS modulates ASD-relevant circuits and behaviors. *International Society for Autism Research Annual Meeting*.

D'Mello, A.M., Romeo R. R., Leonard, J. A., Mackey, A., Gabrieli, J.D.E. (2018) Cerebellar contributions to children's language processing. *Society for Neuroscience Annual Meeting, San Diego. Nanosymposium: Human Cognition and Behavior: Neurocognitive Development.*

D'Mello, A.M. (2016) Cerebellar contributions to whole brain resting-state networks. *Center for Behavioral Neuroscience Annual Retreat Data Blitz.*

Barrett, C.G.***, D'Mello, A.M.**, Turkeltaub, P.T., Stoodley, C.J. (2016) The effects of cerebellar neuromodulation on neural activation in language networks. *Robyn Rafferty Mathias Student Research Conference. Washington, DC.*

Stoodley, C.J. **D'Mello, A.M,** Shook, D., Hayward, W., Turkeltaub, P. (2015) Cerebellar contributions to language: a combined TDCS-FMRI study. *Nanosymposium: The Cerebellum and Cognition, Society for Neuroscience Annual Meeting. Chicago, IL.*

D'Mello, A.M, Moore, D., Crocetti, D., Mostofsky, S., Stoodley, C.J. (2014) Cerebellar grey matter correlates with early language delay in autism. *Society for Neuroscience Annual Meeting – Cerebellum and Autism Nanosymposium. Washington, DC.*

D'Mello, A.M. (2014) Cerebellar grey matter correlates with early language delay in autism. *Center for Behavioral Neuroscience Retreat, American University. Washington, DC.*

Posters

Wang, B., Tuckute, G., Kean, H., Paunov, A., Blank, I., Fedorenko, E., **D'Mello, A.M.** (Submitted) The cerebellum maintains a typical language profile following damage to the left temporal lobe. *Society for Neuroscience Annual Meeting. Chicago, IL.*

Benzanilla Davila, R., Wang, B., Courreges, A., **D'Mello, A.M.** (2024) Exploring fMRI reliability: examining the role of the cerebellum. *Simons Foundation SURFiN Symposium. New York, NY.*

Blanco, M., Silat, A., Courreges, A., **D'Mello, A.M.** (2024) Transitioning from pediatrics to adult healthcare in autistic and neurotypical individuals. *Simons Foundation SURFiN Symposium. New York, NY.*

Silat, A., Blanco, M., Courreges, A., **D'Mello, A.M.** (2024) Exploring the impact of cultural factors on the identification and expression of autistic traits. *Simons Foundation SURFiN Symposium. New York, NY.*

Nishith, S.*, Cardinaux, A., Li, C., Perrachione, T.K., Gabrieli, J.D.E., **D'Mello, A.M.** (2023) Expectation modulates repetition suppression of faces and speech. *Society for Neuroscience Annual Meeting. Washington, DC.*

Casto, C., Lipkin, B., Small, H., **D'Mello, A.M.,** Fedorenko, E. (2023) A detailed functional characterization of cerebellar language-responsive brain areas. *Society for the Neurobiology of Language Annual Meeting. Marseille, France.*

O'Brien, A. M., Ozernov-Palchik, O., **D'Mello, A.M.**, Sinha, P., & Gabrieli, J. D. E. (2023). Categorical Perception in Autistic Adults: The *Who* and the *How* Matter. *Meeting on Language in Autism. Stockholm, Sweden.*

O'Brien, A.M.*, Gabrieli, J.D.E., **D'Mello, A.M.** (2023) Increased Spatial Variability of Brain Activation in Autistic Adults. *International Society for Autism Research Annual Meeting. Durham, NC.*

D'Mello, A.M. [#]**,** Olson, H.A. [#]**,** Johnson, K.T.[#]**,** Gabrieli, J.D.E. (2022) Personalized neuroimaging sheds light into the role of motivation in language processing. *Society for the Neurobiology of Language Annual Meeting. Philadelphia, PA.* [#]*Authors contributed equally*

D'Mello, A.M. (2022) Diminished repetition suppression reveals selective and systems-level face processing differences in ASD. *Frontiers in neuropsychiatric disease research, models, and treatment avenues minisymposium, McGovern Institute for Brain Research, MIT.*

D'Mello, A.M. (2022) Participation of Females in Autism Research: Empirical Evidence for a "Leaky" Recruitment-to-Research Pipeline. *Yang-Tan Research Centers Retreat, MIT.*

D'Mello, A.M. [#]**,** Olson, H.A. [#]**,** Johnson, K.T.[#]**,** Gabrieli, J.D.E. (2022) Let's Talk about Trains: Stories about Special Interests Increase Language Network Activation in Children with and without ASD. *International Society for Autism Research Annual Meeting.* [#]*Authors contributed equally*

O'Brien, A.[#]**, D'Mello, A.M.** [#], Frosch, I.R., Perrachione, T.K., Gabrieli, J.D.E. (2022) Evidence for increased neural heterogeneity of perceptual processing in autism spectrum disorder. *Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.* [#]*Authors contributed equally*

D'Mello, A.M., Frosch, I.R., Meisler, S. L., Grotzinger, H., Perrachione, T.K., Gabrieli, J.D.E. (2021) Evidence for domain-specific neural adaptation reductions in autism spectrum disorder. *Society for Neuroscience Annual Meeting, Chicago, IL (Virtual due to COVID-19).*

Blevins, L.C., **D'Mello, A.M.,** Martin, S.E., Stoodley, C.J. (2020) The cerebellum modulated the acquisition of social information in autism. *International Society for Autism Research Annual Conference, Seattle, WA.*

Frosch, I.R.*, **D'Mello, A.M.,** Gabrieli, J.D.E. (2019) Autistic traits are associated with reading difficulty and reduced neural suppression to print. *Society for Neuroscience Annual Meeting, Chicago, IL.*

Grotzinger, H.*, Romeo, R., Giebler, M., **D'Mello, A.M.,** Imhof, A., Gabrieli, J. (2019) Cerebellar language lateralization in bilingual and monolingual children and adolescents. *FLUX Congress, New York, NY.*

D'Mello, A.M., Frosch, I.*, Grotzinger, H., Perrachione, T.K., Gabrieli, J.D.E. (2019) Characterizing neural adaptation in autism spectrum disorder. *Frontiers in Autism Research Symposium, MIT, Cambridge, MA.*

Pollack, C., **D'Mello, A. M.,** Wilmot, D., Frosch, I., Romeo, R., Imhof, A., Wade, K., Capella, J., Centanni, T., Halverson, K., Gabrieli, J. D. E., & Christodoulou, J. A. (2019) Neural correlates of number mapping in elementary school children. *European Association for Research on Learning and Instruction (EARLI), Aachen, Germany.*

Wilmot, D.*, **D'Mello, A.M.,** Romeo, R., Peek, C., Meegoda, O., Centanni, T., Halverson, K., Gabrieli, J.D.E., Christodoulou, J. (2018) Neural correlates of phonological processing in dyslexia and comorbid dyslexia-ADHD. *Society for Neuroscience Annual Meeting, San Diego, CA.*

Blevins, L., **D'Mello, A.M.,** Drury, B., Barrett, C.G., Lillian, A.R., Marko, M.E., Stoodley, C. J. (2018) Effect of active electrode position on brain activation after cerebellar tDCS. *Society for Neuroscience Annual Meeting, San Diego, CA.*

Imhof, A., **D'Mello, A.M.,** Halverson, K., Wilmot, D., Romeo, R., Frosch, I.F., Sridhar, A., Gabrieli, J.D.E., Christodoulou, J. (2018) Examining rates of comorbidity in dyslexia, dyscalculia, and ADHD. *American Speech-Language-Hearing Association (ASHA) Convention, Boston, MA.*

D'Mello, A.M., Centanni, T.M., Christodoulou, J.A., Gabrieli, J.D.E. (2018) Cerebellar engagement during fluent reading: Implications for readers with dyslexia. *Organization for Human Brain Mapping Annual Meeting. Singapore.*

Arnold Anteraper, S., **D'Mello, A.M.,** Guell, X., Whitfield-Gabrieli, S., Gagan, J. (2018) Dentate nucleus functional connectivity is abnormal in high-functioning Autism Spectrum Disorder and correlates with symptom severity. *Sixth Biennial Conference on Resting State and Brain Connectivity, Montreal.*

Arnold Anteraper, S., Guell, X., **D'Mello, A.,** Whitfield-Gabrieli, S., Gagan, J. (2018) Disrupted cerebro-cerebellar intrinsic functional connectivity in young adults with high-functioning autism spectrum disorder. *Autism spectrum disorder and associated psychopathology: clinical and neural presentation symposium, International Association for Child and Adolescent Psychiatry and Allied Professions World Congress, Prague.*

Arnold Anteraper, S., Guell, X., **D'Mello, A.,** Patil, K., Whitfield-Gabrieli, S., Gagan, J. (2018) Data driven analysis suggests disrupted cerebro-cerebellar connectivity in High-Functioning ASD. *Organization for Human Brain Mapping Annual Meeting, Singapore.*

Stoodley C.J., *Martin, S., *Drury, B., **D'Mello, A.M.** (2017) Investigating the role of the cerebellum in motor, linguistic, and social prediction: A tDCS-fMRI study. *Society for Neuroscience Annual Meeting, Washington, DC.*

Drury, B.*, Martin, S.*, **D'Mello, A.M.,** Stoodley, C.J. (2016) Cerebellar involvement in language prediction and error-monitoring. *Robyn Rafferty Mathias Student Research Conference, Washington, DC.*

Martin, S.*, Drury, B.*, **D'Mello, A.M.,** Stoodley, C.J. (2016) Impact of cerebellar neuromodulation on motor learning and brain activation. *Robyn Rafferty Mathias Student Research Conference, Washington, DC.*

D'Mello, A.M., Thomas, C.I.C., Stoodley, C.J. (2016) Cerebellar neuromodulation and predictive processing in motor, cognitive, and social domains. *Society for Neuroscience Annual Meeting, San Diego, CA.*

D'Mello, A.M., Turkeltaub, P., Stoodley, C.J. (2016) Cerebellar contributions to whole-brain resting-state networks: a combined TDCS-FMRI study. *International Meeting for Autism Research, Baltimore, MD.*

D'Mello, A.M., Turkeltaub, P., Stoodley, C.J. (2016) Cerebellar contributions to language and whole-brain language networks: a combined TDCS-FMRI study. *Cognitive Neuroscience Society Annual Meeting, New York, NY.*

D'Mello, A.M, Shook, D., Hayward, W., Turkeltaub, P., Stoodley, C.J. (2015) Cerebellar tDCS alters resting-state connectivity in cerebro-cerebellar cognitive networks. *Society for Neuroscience Annual Meeting, Chicago, IL.*

D'Mello, A.M, Shook, D., Hayward, W., Turkeltaub, P., Stoodley, C.J. (2015) Cerebellar contributions to language: A tDCS-fMRI pilot study. *7th Annual Society for Research on the Cerebellum, Brussels.*

Moore, D., **D'Mello, A.M,** McGrath, L., Stoodley, C.J. (2015) The developmental relationship between cerebellar grey matter and cognition in a pediatric population. *2015 Cognitive Neuroscience Society Annual Meeting. San Francisco, CA.*

D'Mello, A.M. (2014) Cerebellar grey matter correlates with early language delay in autism. *All-American Weekend, Psychology Open House, American University, Washington, DC.*

D'Mello, A.M., Crocetti, D., Mostofsky, S., Stoodley, C.J. (2014) Cerebellar grey matter and lobular measures correlate with core autism symptoms. *International Meeting for Autism Research (IMFAR), Atlanta, GA.*

D'Mello, A.M., Moore, D., Crocetti, D., Mostofsky, S., Stoodley, C.J. (2014) Cerebellar grey matter correlates with early language delay in ASD. *24th Annual Robyn Rafferty Mathias Student Research Conference, Washington, DC.*

Mostofsky, S., **D'Mello, A.M,** Crocetti, D., Stoodley, C.J. (2013) Cerebellar grey matter and lobular measures correlate with core autism symptoms. *Annual Meeting for the Child Neurology Society, Austin, TX.*

Murphy, E., **D'Mello, A.M,** Fine, A., Foss-Feig, J., You, X., Kenworthy, L., Gaillard, W., Vaidya, C. (2011) Atypical amygdala connectivity during involuntary eye-gaze processing in emotional faces in Autism Spectrum Disorders (ASD). *Annual Meeting for the Cognitive Neuroscience Society. San Francisco, CA.*

INVITED TALKS

2024	Department of Psychology Research Colloquium, **Southern Methodist University**
2024	The Intersection of Cognitive Aging and Psychiatric Disease, **Center for Vital Longevity, Science Symposium**
2023	14th Annual Scientific Day of the MRI-INT Center, CERIMED, **Faculté de Médecine de la Timone, Marseille**
2023	Frontiers of BrainHealth Lunchtime Series, Center for BrainHealth, **University of Texas at Dallas**
2023	Virtual Brown Bag Series, **Temple University**
2023	Shrier Topics in Rehabilitation Science Seminar, **Moss Rehabilitation Center Research Institute**
2023	Lurie Center for Autism, **Massachusetts General Hospital**
2022	Center for Vital Longevity Science Luncheon Series, **University of Texas at Dallas**
2022	Center for Brain, Biology, and Behavior Seminar Series**, University of Nebraska at Lincoln**
2022	Carle Illinois Advanced Imaging Center Seminar Series, **Carle Illinois Advanced Imaging Center**
2022	Peter O'Donnell Jr. Brain Institute, **University of Texas Southwestern Medical Center**
2022	Department of Psychology, **The Catholic University of America**
2022	Department of Psychology, **Florida State University**
2021	Department of Psychology & Center for Innovative Research in Autism, **University of Alabama**

2019	Berenson-Allen Center for Non-invasive Brain Stimulation, **Beth Israel Deaconess Medical Center**
2019	Simons Center for the Social Brain Lunch-time Lecture Series, **Massachusetts Institute of Technology**
2018	Simons Center for the Social Brain Presentation to Jim & Marilyn Simons (Simons Foundation for Autism Research Initiative, SFARI), **Massachusetts Institute of Technology**
2018	Stoodley Lab, Department of Psychology, **American University**
2018	Sinha Lab, Department of Brain and Cognitive Science, **Massachusetts Institute of Technology**
2018	Learning & Emotional Assessment Program (LEAP), **Massachusetts General Hospital**
2017	Sinha Lab, Department of Brain and Cognitive Science, **Massachusetts Institute of Technology**
2017	The Communication Neuroscience Research Lab, **Boston University**
2016	Dystonia and Speech Motor Control Lab, **Icahn School of Medicine, Mount Sinai**
2016	Division of Stress Neurobiology, **Children's Hospital of Philadelphia**
2015	The Developmental Cognitive Neuroscience Lab, Department of Psychology, **Georgetown University**
2015	Autism Symposium, College of Arts and Sciences, **American University**
2015	Lab of Peter Strick, Department of Neurobiology, **University of Pittsburgh**

TEACHING

University of Texas at Dallas
2024	Instructor of Record; Seminars in Psychology: Brain and Language (HCS 7355.002)
2023	Instructor of Record; Seminars in Psychology: Brain and Language (HCS 7355.004)

University of Texas Southwestern Medical Center
2024	Neurobiology of Mental Illness (NS 5169)
2023	Current Topics in Neuroimaging (BME 5304)

Guest Lectures
2023	"Considerations in Autism: strengths and individual differences", Autism, (University of Iowa)
2019	"Language", Psychology 9.00 (MIT)
2017	"tDCS principles and design", Cognitive Neuroscience with Lab (American University)
2016	"Basic Drives", Psychology as a Natural Science (American University)
2016	"Hypothalamus – Drives & Motivation", Neuroscience Brain and Behavior (American University)
2016, 2017	"Structural Imaging Analysis in SPM: Statistical Analysis", Cognitive Neuroscience (American University)
2016, 2017	"Structural Imaging Analysis in SPM: Preprocessing" Cognitive Neuroscience (American University)
2015	"Neural Basis of Human Vision", Psychology as a Natural Science (American University)
2015	"Motivation", Psychology as a Natural Science (American University)
2014	"Research Methods and Scientific Research", Psychology as a Natural Science (American University)
2014	"Human Development", Psychology as a Natural Science (American University)
2014	"Autism", Psychology as a Natural Science (American University)
2014	"Cellular and Genetic Basis of Autism", Advanced Developmental Neuroscience (American University)
2014	"Hypothalamus", Neuroscience: Brain and Behavior (American University)

Technical Training Lectures
2019	SPM – Preprocessing, Modeling, and Statistics (MIT, Gabrieli Lab)
2018	Basics of fMRI acquisition (MIT, Gabrieli Lab)

Teaching Assistantships
2016, 2017	Cognitive Neuroscience with Lab (American University)
2015, 2016	Neurobiological Bases of Behavior (American University)
2015	Neuroscience of Autism (American University)
2014	Advanced Developmental Neuroscience (American University)
2014 – 2016	Neuroscience: Brain and Behavior (American University)
2012 – 2015	Psychology as a Natural Science (American University)

STUDENTS AND MENTORING

Dissertation Committee Membership
2024 –	Teagan Mullins (PhD in Psychology, University of New Mexico) Committee Member
2023 –	Dennis Wu (PhD in Psychology, University of Texas at Dallas) Committee Member; Primary advisors: Meghan Swanson, PhD
2022 –	Annette Glotfelty (PhD in Cognition and Neuroscience, University of Texas at Dallas) Committee Member; Primary advisors: Steven Small, PhD & Jeremy Skipper, PhD

2022   Marisa Marko (PhD in Behavior, Cognition, and Neuroscience, American University)
                 Committee Member; Primary advisor: Catherine Stoodley, PhD

Undergraduate Thesis Membership
2024 –   Khadija Shariff (Brain and Behavioral Sciences Honors Thesis, University of Texas at Dallas)
                 Second Reader; First reader: Peter Tsai, M.D., PhD
2023 –   Zayna Bawa (Brain and Behavioral Sciences Honors Thesis, University of Texas at Dallas)
                 First Reader
2022 –   Ranya Siddiqi (Brain and Behavioral Sciences Honors Thesis, University of Texas at Dallas)
                 Second Reader; First reader: Peter Tsai, M.D., PhD

Doctoral Mentorship
2023-   Bangjie Wang (PhD in Cognitive Neuroscience, University of Texas at Dallas)

Masters Mentorship
2023-2024   Carol Zheng (Master of Science in Speech-Language Pathology, University of Texas at Dallas)

Undergraduate Mentorship
2024   Kamila Haliru (University of South Dakota); Amgen Scholar
2023   Jessica Ding (Brown University); Summer internship
2023-2024   Alishba Silat (University of Texas at Dallas); Research assistant & Shenoy Undergraduate Research
                 Fellow in Neuroscience
2023-2024   Ashley Blanco (University of Texas at Dallas); Research assistant & Shenoy Undergraduate Research
                 Fellow in Neuroscience
2023-2024   Rodrigo Benzanilla-Davila (Southern Methodist University); Shenoy Undergraduate Research Fellow in
                 Neuroscience
2023-2024   Sneha Elangovan (University of Texas at Dallas); Research assistant
2023-2024   Vrishti Misra (University of Texas at Dallas); Research assistant

SERVICE & PROFESSIONAL ACTIVITIES

Institutional Committee Membership
2024   Search Committee – Developmental Cognitive Neuroscience Faculty Search, School of Behavioral and
                 Brain Sciences, UT Dallas
2023, 2024   Graduate Admissions Committee, School of Behavioral and Brain Sciences, UT Dallas
2023   Campbell Callier Prize Committee, Callier Center for Communication Disorders, UT Dallas

Board Positions
2022 –   Advisory Board Member, Society for the Neurobiology of Language

Editorial Positions
2023 –   **Guest Editor**, *The Cerebellum*
                 Special Issue: Cerebellum and Autism: https://link.springer.com/collections/iccbabehih
                 *Eds. **Anila D'Mello**, Charles Laidi*

2023 –   Review Editor, *Frontiers in Human Neuroscience*, (Section: Speech and Language)

2021 – 2022 **Guest Associate Editor,** *Frontiers in Human Neuroscience*
                 Research Topic: Predictive mechanisms in action, perception, cognition, and clinical disorders
                 *Eds. **Anila D'Mello**, Liron Rozenkrantz, Phil Corlett, Patric Bach*

2020 –   **Review Editor**, *Frontiers in Neuroscience* (Section: Neurodevelopment)

Invited Reviewer

Journals
Autism; Autism Research; Biological Psychiatry; Biological Psychiatry: CNNI; Brain Connectivity; Brain Imaging and Behavior; Cerebellum; Cerebral Cortex; Cognitive, Affective, and Behavioral Neuroscience; Current Opinions in Behavioral Science; Developmental Cognitive Neuroscience; European Journal of Neuroscience; Frontiers in Human Neuroscience; Frontiers in Neuroscience; Frontiers in Psychiatry; Frontiers in Psychology; Human Brain Mapping; Journal

of Neurophysiology; Molecular Autism; Molecular Psychiatry; Nature Communications; Neurobiology of Language; Neurocase; NeuroImage; NeuroImage: Clinical; Neuropsychologia; Neuropsychopharmacology; Neuroscience and Biobehavioral Reviews; Scientific Reports; Social Cognitive and Affective Neuroscience; Social Neuroscience; Translational Psychiatry

Grants
French National Research Agency (ANR) – Panel CE28 – "Cognition, comportements, langage"
LSVT (Lee Silverman Voice Treatment) Global Grant Competition

Consulting
2020 – 2022   Independent scientific expert contractor, Lumos Labs, Inc.

Other Service
2018 – 2023   Alumni Interviewer, Georgetown University Alumni Admissions Program

SOCIETY MEMBERSHIPS

Society for Neuroscience (SfN); Society for the Neurobiology of Language (SNL); Association for Women in Science (AWIS); Cognitive Neuroscience Society (CNS); International Society for Autism Research (INSAR); Organization for Human Brain Mapping (OHBM); Psi Chi – Psychology Honors Society

PROFESSIONAL DEVELOPMENT & CERTIFICATIONS

Path to Professorship Workshop, Massachusetts Institute of Technology
Greenberg Ph.D. Seminars for Effective Teaching, American University
FMRI Visiting Fellowship Program at Massachusetts General Hospital, Athinoula A. Martinos
Center for Biomedical Imaging
Magnetic Resonance Imaging Certification, Athinoula A. Martinos Imaging Center, Massachusetts Institute of Technology
Magnetic Resonance Imaging Safety Training, Center for Functional and Molecular Imaging, Georgetown University
MIT Science Policy Initiative Executive Visit Day, Massachusetts Institute of Technology

PRESS COVERAGE

2023   **Search Engine Podcast, "Why'd I Take Speed for Twenty Years? (Part 2).**
            Covered our research on cerebellum
            https://podcasts.apple.com/us/podcast/whyd-i-take-speed-for-twenty-years-part-
            2/id1614253637?i=1000633574708

2022   **Scientific American, "Is a Diagnostic Test to Blame for Why We Know So Little about Autism in Girls?"**
            Covered findings from *D'Mello et al., (2022) Autism Research.*
            https://www.scientificamerican.com/article/is-a-diagnostic-test-to-blame-for-why-we-know-so-little-about-autism-in-girls/

2022   **The Hill, "Women are underrepresented in autism research, and the disparity could lead to underdiagnosis"**
            Covered findings from *D'Mello et al., (2022) Autism Research.*
            https://thehill.com/changing-america/well-being/prevention-cures/3636271-women-are-underrepresented-in-autism-research-and-the-disparity-could-lead-to-underdiagnosis/

2022   **US News & World Report, "Screening Test Leads to Fewer Women Included in Autism Studies"**
            Covered findings from *D'Mello et al., (2022) Autism Research.*
            https://www.usnews.com/news/health-news/articles/2022-09-12/screening-test-leads-to-fewer-women-included-in-autism-studies

2022   **MIT News, "Studies of autism tend to exclude women, researchers find"**
            Covered findings from *D'Mello et al., (2022) Autism Research.*
            https://news.mit.edu/2022/studies-autism-tomen-bias-0908

2021   **Guest on *Noncompliant – the podcast***

Invited as a guest on popular neurodiversity podcast along with Dr. Liron Rozenkrantz to answer questions and discuss *Rozenkrantz, D'Mello, & Gabrieli (2021) TICS* paper on "hyperrationality" in autism. https://noncompliantpodcast.com/2021/08/24/there-are-a-lot-of-areas-autism-researchers-have-viewed-as-deficits-that-can-actually-confer-advantages-talking-with-mit-researchers-anila-dmello-and-liron-rosenkrantz/

2021   **Spectrum News, "The benefits of special interests in autism"**
Covered findings from on-going research in the Gabrieli lab led by D'Mello and colleagues into using special interests to potentiate the language network in children with autism spectrum disorders. https://www.spectrumnews.org/features/deep-dive/the-benefits-of-special-interests-in-autism/

2020   **Brain Scan, "Embracing neurodiversity to better understand autism"**
Quarterly newsletter by the McGovern Center for Brain Research at MIT which covered ongoing research on the ability of special interests to potentiate the language network in children with autism. https://mcgovern.mit.edu/2020/03/02/embracing-neurodiversity-to-better-understand-autism/

2018   **Spectrum News, "Notable papers in autism research in 2018"**
Stoodley, D'Mello, et al., (2018) Nature Neuroscience chosen as one of the 10 most notable papers of 2018 as selected by autism researchers. https://www.spectrumnews.org/features/special-report/notable-papers-autism-research-2018/

2017   **The Sponsored Research Monthly, "Graduate Spotlight: Anila D'Mello"**
Blog post from the Office of Sponsored Programs Monthly Newsletter at American University. https://auospblog.wordpress.com/2017/05/23/graduate-spotlight-anila-dmello/

2017   **Spectrum News, "Study of cerebellum's role in autism homes in on 'social' region"**
Covered findings from *Stoodley, D'Mello, et al., (2018) Nature Neuroscience.* https://www.spectrumnews.org/news/study-cerebellums-role-autism-homes-social-region/

2014   **Spectrum News, "Researchers refine cerebellum's role in autism"**
Covered findings from *D'Mello et al., (2015) Autism Research.* https://www.spectrumnews.org/news/researchers-refine-cerebellums-role-in-autism/

FOREIGN LANGUAGES

Italian (*Fluent*)
French (*Proficient*)