

# ANILA MARIA D'MELLO

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## EDUCATION

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- 2012 – 2017    **Ph.D. in Behavior, Cognition, and Neuroscience**  
**American University**, Washington, DC  
Advisor: Dr. Catherine Stoodley  
*Dissertation: Cerebellum and Language: Applications to autism*
- 2014            **M.A. in Psychology**  
**American University**, Washington, DC  
Advisor: Dr. Catherine Stoodley  
*Thesis: Cerebellar grey matter and lobular measures and their relationship to core autistic symptoms*
- 2008 – 2012    **B.A. in Psychology with Honors, magna cum laude**  
**Georgetown University**, Washington, DC  
Second Major: Government, Minor: French

## RESEARCH EXPERIENCE & TRAINING

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- 2017 –            **Postdoctoral Fellow**  
**Massachusetts Institute of Technology**, Cambridge, MA  
Advisor: Dr. John Gabrieli
- 2009 – 2012    **Undergraduate Student Researcher**  
**Georgetown University**, Washington, DC  
Advisor: Dr. Chandan Vaidya  
*Honors Thesis: The effects of social reward on reinforcement learning*
- 2009, 2010      **Undergraduate Summer Researcher**  
**Callier Center for Communication Disorders, University of Texas at Dallas**, Dallas, TX  
Advisor: Dr. Robert Stillman

## RESEARCH FUNDING & FELLOWSHIPS

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- 2019 – 2022    **F32 Ruth L. Kirschstein National Research Service Award**  
National Institutes of Mental Health  
Role: PI (Fellow)  
Total Costs: \$178,866  
Advisors: Drs. John Gabrieli & Tyler Perrachione
- 2018 – 2019    **Simons Center for the Social Brain Postdoctoral Fellowship**  
Simons Center for the Social Brain, Massachusetts Institute of Technology  
Role: PI (Fellow)  
Total Costs: \$62,140 (second year declined to accept F32 award)  
Advisors: Drs. John Gabrieli & Pawan Sinha
- 2016            **Doctoral Dissertation Student Research Scholarship**  
College of Arts and Sciences, American University  
Role: PI  
Total Costs: \$5,000  
Advisor: Dr. Catherine Stoodley

## AWARDS & RECOGNITIONS

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- 2017            **Outstanding Scholarship at the Graduate Level**, American University  
*Awarded to two graduate students across the university for exceptional graduate scholarship including*

*publications, distinguished research, creative works, or conference presentations.*

- 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**, 24<sup>th</sup> Annual Robyn Rafferty Mathias Student Research Conference, American University  
*Awarded to two graduate students in the College of Arts and Sciences*

## PUBLICATIONS

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### Peer-reviewed

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. DOI: 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. DOI: 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 Biology* 30(10):1881-1892.e3. DOI: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. 208:104828. *Brain and Language*. DOI: 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. DOI: 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. DOI: 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. DOI: 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. DOI: 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. DOI: [https://doi.org/10.1044/2018\\_LSHSS-DYSLC-18-0020](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. DOI: 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. DOI: 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. DOI:

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. DOI: 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. DOI: 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. DOI: 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. DOI: 10.3389/fnins.2015.00408

**D'Mello AM**, 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. DOI: 10.1016/j.nicl.2015.02.007

### **Manuscripts Submitted and In Preparation**

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

**D'Mello, A.M.** & Frosch, I.R. (*Invited, In Preparation*) Cerebellar contributions to adaptive prediction and Autism Spectrum Disorders. *Frontiers in Integrative Neuroscience*.

**D'Mello, A.M.**, Frosch, I.R., Meisler, S.L., Grotzinger, H., Perrachione, T.K., Gabrieli, J.D.E. (*In Preparation*) Evidence for domain specific reductions in neural adaptation in autism spectrum disorder.

**D'Mello, A.M.**, Frosch, I.R., Li, C., Cardinaux, A., Gabrieli, J.D.E. (*In Preparation*) Missing women in autism research: empirical evidence for a “leaky” recruitment-to-research pipeline.

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. (*Under Review*) Anxiety, motivation, and competence in math and reading in children with and without learning difficulties. <https://psyarxiv.com/pqt5u/>

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. (*Under Review*). Dissociating executive function and ADHD influences on reading ability in children with dyslexia.

### **Other Publications and Science Communication**

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

**“What is the Social Brain?” D'Mello, A.M.** (2019)

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/>

**“Excellence in Neuroscience Training at AU” D'Mello, A.M.** (2018)

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>

**“Changing the Brain and Watching it Happen” D'Mello, A.M.** (2017)

Article in The Catalyst about dissertation research. <https://www.american.edu/cas/news/changing-the-brain.cfm>

## **CONFERENCE PRESENTATIONS**

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*\*denotes undergraduate, research assistant, or masters-level mentee*

## Talks

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

**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

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.**, 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. *7<sup>th</sup> 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

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2019                      Berenson-Allen Center for Non-invasive Brain Stimulation, Beth Israel Deaconess Medical Center  
Host: Dr. Mark Halko

*"Evidence for Hierarchical Cognitive Control in the Human Cerebellum"*

- 2019 Simons Center for the Social Brain Lunch-time Lecture Series, Massachusetts Institute of Technology  
*"Characterizing Neural Adaptation in Autism Spectrum Disorder"*
- 2018 Simons Center for the Social Brain Presentation to Jim & Marilyn Simons (Simons Foundation for Autism Research Initiative, SFARI)  
*"Characterizing Neural Adaptation in Autism Spectrum Disorder"*
- 2018 Stoodley Lab, American University  
Host: Dr. Catherine Stoodley  
*"Resting state functional MRI analysis using the CONN Toolbox"*
- 2018 The Sinha Lab for Vision Research, Massachusetts Institute of Technology  
Host: Dr. Pawan Sinha  
*"Studying affinities in autism"*
- 2018 Learning & Emotional Assessment Program (LEAP), Massachusetts General Hospital  
*"Comorbidities with Dyslexia"*
- 2017 The Sinha Lab for Vision Research, Massachusetts Institute of Technology  
Host: Dr. Pawan Sinha  
*"Prediction and Autism: Testable hypotheses for research"*
- 2017 The Communication Neuroscience Research Lab, Boston University  
Host: Dr. Tyler Perrachione  
*"Cerebellar contributions to language and whole brain networks"*
- 2016 Dystonia and Speech Motor Control Lab, Icahn School of Medicine, Mount Sinai  
Host: Dr. Kristina Simonyan  
*"Cerebellar contributions to language and whole brain networks: Applications to Autism"*
- 2016 Division of Stress Neurobiology, Children's Hospital of Philadelphia  
Host: Dr. Rita Valentino  
*"Cerebellar contributions to whole-brain resting state networks: Application to typical development and neurodevelopmental disorders"*
- 2015 The Developmental Cognitive Neuroscience Lab, Georgetown University  
Host: Dr. Chandan Vaidya  
*"Cerebellum and Autism: Structural differences associated with core ASD symptoms"*
- 2015 Autism Symposium, College of Arts and Sciences, American University  
Panelist, *"The Brain in Autism"*
- 2015 Department of Neurobiology, University of Pittsburgh  
Host: Dr. Peter Strick  
*"Cerebellum and Autism: Structural differences associated with core ASD symptoms"*

## TEACHING AND MENTORING EXPERIENCE

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### Guest Lectures

- 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)

### **Selected Mentored Students (Mentored position – Current position)**

- Brianne Drury (Undergraduate Student, AU – Medical School, Wayne State University)  
 Stephanie Martin (Undergraduate Student, AU – Junior Program Analyst, ANSER)  
 Christina Thomas (Master's Student, AU – Postdoctoral Fellow, Massachusetts General Hospital)  
 Dora Moore (Master's Student, AU – Genetic Counselor, X)  
 Isabelle Frosch (Research Assistant, MIT – PhD in Clinical Psychology, Northwestern University)  
 Dayna Wilmot (Research Assistant, MIT – Master's in XXX, MIT)  
 Hannah Grotzinger (Research Assistant, MIT – PhD in Psychology, UC Santa Barbara)  
 Jimmy Capella (Research Assistant, MIT – PhD in Psychology, UNC Chapel Hill)

## **SERVICE & PROFESSIONAL ACTIVITIES**

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### **Editorial Positions**

- 2020 – **Review Editor**, *Frontiers in Neuroscience (Section on Neurodevelopment)*  
 2021 **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*

### **Invited Reviewer**

*Journals: Biological Psychiatry; Cerebral Cortex; Scientific Reports; Neurolmage; Human Brain Mapping; Cerebellum; Frontiers in Human Neuroscience; Frontiers in Neuroscience; Frontiers in Psychology; Frontiers in Psychiatry; Autism Research; Social Cognitive and Affective Neuroscience; European Journal of Neuroscience; Journal of Neurophysiology; Brain Imaging and Behavior; Neuroscience and Biobehavioral Reviews; Neuropsychopharmacology; Brain Connectivity; Neuropsychologia; Social Neuroscience; Neurocase*

### **Grants:**

LSVT (Lee Silverman Voice Treatment) Global Grant Competition

### **Consulting**

- 2020 – Independent scientific expert contractor, Lumos Labs, Inc.

### **Other Service**

- 2018 – Alumni Interviewer, Georgetown University Alumni Admissions Program

## **SOCIETY MEMBERSHIPS**

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- 2014 – Society for Neuroscience (SfN)  
 2019 – Association for Women in Science (AWIS)  
 2015 – 2017 Cognitive Neuroscience Society (CNS)  
 2014, 2016 International Society for Autism Research (INSAR)  
 2018 Organization for Human Brain Mapping (OHBM)  
 2012 – Psi Chi – Psychology Honors Society

## PROFESSIONAL DEVELOPMENT & CERTIFICATIONS

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**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

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- 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-rozenkrantz/>
- 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*.  
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## FOREIGN LANGUAGES

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Italian (*Fluent*)

French (*Proficient*)