ANILA MARIA D'MELLO

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EDUCATION

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

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

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

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

PUBLICATIONS

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 Biol*ogy 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

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:

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. 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

**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

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.*

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

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

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)

SERVICE & PROFESSIONAL ACTIVITIES

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; NeuroImage; 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

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

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

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*)

REFERENCES

John D.E. Gabrieli, PhD
Grover Hermann Professor of Health Sciences and Technology and Cognitive Neuroscience
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Mriganka Sur, PhD
Newton Professor of Neuroscience
Picower Institute for Learning and Memory and
Department of Brain and Cognitive Sciences
Director, Simons Center for the Social Brain
Massachusetts Institute of Technology
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