

Elizabeth Redcay, Ph.D.
Curriculum Vitae
January 2024

Academic History

2017-current	Associate Professor of Psychology University of Maryland, College Park
2011-2017	Assistant Professor of Psychology University of Maryland, College Park
2008-2010	Postdoctoral Research Fellow Massachusetts Institute of Technology
2008	Ph.D. Psychology and Cognitive Science University of California San Diego
2003	M.A. Psychology University of California San Diego
2001	B.S. Psychology with Neurosciences Concentration Duke University, cum laude and with Distinction

Grants, Honors & Awards

2023-2024	UMD Dean's Research Initiative <i>Promoting Autistic Inclusion and Representation (PAIR) in STEM</i> (co-I ; PI: Wessel)
2023-2026	UMD Grand Challenges Grant <i>Fostering Inclusivity through Technology (FIT): Achieving Common Ground in Autistic-Neurotypical Interactions with Innovations in Video Calling</i> (co-PI ; PI Huang)
2021-2023	UMD Broadening Participation Initiative <i>Engaging Neurodiverse and BIPOC Communities in Neurodiversity Research at UMD</i> (PI ; co-PI Chronis-Tuscano)
2021-2026	NIH-National Institute of Mental Health R01MH125370 <i>A Prospective-Longitudinal Investigation of the Biopsychosocial Predictors of Loneliness Across Adolescence in Autism and Typical Development</i> (PI ; co-I Cassidy, Lemay, Shackman, Harrington), direct costs: \$2,331,858
2019-2021	NIH-National Institute of Drug Abuse R34 DA050285: <i>The Cumulative Risk of Substance Exposure and Early Life Adversity on Child Health Development and Outcome</i> (co-I ; PI: Fox)
2017-2022	NIH-National Institute of Mental Health R01 MH112517: <i>Dynamics of Large-Scale Networks During Emotional and Social Processing</i> (PI ; PI: Pessoa; Multi-PI), direct costs: \$2,222,056
2016-2022	NIH-National Institute of Mental Health R01 MH107441: <i>Brain network dynamics supporting atypical social interaction in autism</i> (PI ; co-I: Pessoa), direct costs: \$1,803,541

- 2016-2021 NIH-National Institute of Child Health and Human Development P01 HD064653-06: *Functions and development of the mirror neuron system (co-Project Lead for Project 1, co-I Core B; PI: Fox)*, P01 direct costs: \$4,150,765
- 2014-2019 NIH-National Institute of Child Health and Human Development R01 HD079518: *Hippocampal-Memory Network Development and Episodic Memory in Early Childhood (co-I; PI: Riggins)*, direct costs: \$1,542,995
- 2014-2017 Department of Defense Congressionally-Directed Medical Research Programs: *Brain mechanisms of affective language comprehension in autism spectrum disorders (co-I; PI: Bolger)*, direct costs: \$515,244
- 2013-2014 UMD Tier-2 VPR seed grant: *Functions and Plasticity of the Mirror Neuron System – Project 1 (co-PI; PI: Fox)*, direct costs: \$57,772
- 2013-2014 NIH-National Institute of Child Health and Human Development Supplement: *Functions and Plasticity of the Mirror Neuron System – Project 1 (co-Project Lead; Project Lead: Fox)*, direct costs: \$47,484
- 2012-2014 Department of Defense Congressionally Directed Medical Research Programs: *How autism affects speech understanding in multi-talker environments (co-I; PI: Newman)*, direct costs: \$100,000
- 2012-2013 NSF ADVANCE seed grant: *Investigating the shared neural systems for language and gesture comprehension (PI; co-PI: Rowe)*, direct costs: \$20,000
- 2011-2012 UMD Dean’s Research Initiative: *Brain networks supporting memory during childhood (co-PI; co-PI: Riggins)*, direct costs: \$40,000
- 2008-2010 NIH-National Institute of Child Health and Human Development NRSA: *Neural substrate of language and social cognition: autism and typical development (PI; 5th percentile)*, direct costs: \$88,910
- 2022 NACS Faculty Mentor of the Year Award
- 2022 BSOS Research Excellence Award
- 2021 Graduate Faculty Mentor of the Year Award
- 2014 UMD Research and Scholarship Award (RASA)
- 2013 NSF ADVANCE Award
- 2007 Norman Anderson Travel Award
- 2006 NIH Institute for Neural Computation Training Grant
- 2006 NSF Travel Award
- 2003 NSF Graduate Research Fellowship, Honorable Mention
- 2001 NIH Intramural Research Training Award
- 2000 Howard Hughes Fellow Award
- 2000 Undergraduate Research Support Award

Publications

Peer-reviewed journal articles

*Indicates trainee: current or former student, postbacc, or postdoc. I take a senior (last) author role on articles in which a trainee in my lab is listed as first author.

Submitted & in revision manuscripts

- McNaughton, K.A.*, Moss, A.*, Yarger, H.*, **Redcay, E.** (under review) Smiling synchronization predicts interaction enjoyment in peer dyads of autistic and neurotypical youth.
- Filippi, C.A., Smith, E., **Redcay, E.**, Hazlett, H., Swineford, L., Manwaring, S., D'Souza, P., Thurm, A. (under review). Brain morphometry of toddlers with language delay: A pilot study.
- Merchant, J.S., Glaros, S., Edakoth, E., Harris, R., Tchangalova, N., & Redcay, E. (under revision) Brain bases of real-time social interaction: A meta-analytic investigation of human neuroimaging studies. *Aperture*
- Xie, H.*, Moraczewski, D.*, McNaughton, K.*, Warnell, K.*, Alkire, D., Merchant, J.*, Kirby, L.*, Yarger, H.*, **Redcay, E.** (under revision) Social reward network connectivity differs between autistic and neurotypical youth during social interaction.
- Preprint : <https://biorxiv.org/cgi/content/short/2023.06.05.543807v1>

Published & in press manuscripts

- Dziura, S.L.*, Hosangadi, A.*, Shariq, D.*, Merchant, J.S.*, & **Redcay, E.** (in press) Partner similarity and social cognitive traits predict social interaction success among strangers. *Social Cognitive and Affective Neuroscience*.
- Preprint: <https://psyarxiv.com/xcv4q/>
- Preregistration: <https://osf.io/f3nu7>
- Dziura, S.L.*, McNaughton, K.A.*, Giacobbe, E.*, Yarger, H.A., Hickey, A.C.*, Shariq, D.*, & **Redcay, E.** (in press) Neural sensitivity to social reward predicts social behavior and satisfaction in adolescents during the COVID-19 pandemic. *Developmental Psychobiology*
- Preprint: <https://psyarxiv.com/y9t8g/>
- Smith, E., Xiao, Y.*, Xie, H.*, Manwaring, S.S., Farmer, C., Swineford, L., Thurm, A., & **Redcay, E.**, (2023). Posterior superior temporal connectivity is related to social communication in toddlers. *Infant Behavior and Development*, 71:101831
- Liuzzi, M., Kryza-Lacombe, M., Christian, I.R., Own, C., **Redcay, E.**, Riggins, T., Dougherty, L.R., & Wiggins, J.L. (2023) Irritability in early to middle childhood: Cross-sectional and longitudinal associations with resting state amygdala and ventral striatum connectivity. *Developmental Cognitive Neuroscience*, 60:101206
- McNaughton, K.A.*, Kirby, L.A.*, Warnell, K.R.*, Alkire, D.*, Merchant, J.S.*, Moraczewski, D.*, Yarger, H.A.*, **Redcay, E.** (2023) Neural sensitivity to social interaction predicts success of real-world peer interaction in children with typical development and autism spectrum disorder. *Developmental Cognitive Neuroscience*, 59:101197.
- Alkire, D.*, McNaughton, K.A.*, Yarger, H.*, Shariq, D.A.*, **Redcay, E.** (2022) Theory of mind in naturalistic conversations between autistic and typically developing children and adolescents. *Autism*, 27(2):472-488.

Data and code available: <https://osf.io/5gzr6/>; preprint: <https://psyarxiv.com/7j2un/>

- Yarger, H.A.*, Shariq, D.*, Giacobbe, E.*, Hickey, A.*, Dziura, S.*, & **Redcay, E.** (in press). Examining children's mental health and parenting quality before and during the covid-19 pandemic. *Merrill-Palmer Quarterly*
Preprint: <https://osf.io/nqvp9/>
- Barendse, Marjolein, E.A., Flannery, J., Cavanagh, C., Aristizabal, M., Becker, S.P., Berger, E., Breaux, R., Campione-Barr, N., Church, J.A., Crone, E.A., Dahl, R.E., Dennis-Tiwary, T.A., Dvorsky, M.R., Dziura, S.L.*, Ho, T.C., Killoren, S.E., Langberg, J.M., Larginho, Y., Magis-Weinberg, L., Michalska, K.J., Mullins, J.L., Nadel, H., Porter, B.M., Prinstein, M.J., **Redcay, E.**, Rose, A.J., Rote, W.M., Roy, A.K., Sweijen, S.W., Telzer, E.H., Teresi, G.I., Thomas, A.G., Pfeifer, J.H. (2023). Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic: An international collaborative of 12 samples. *Journal Research Adolescence*, 33(1):74-91.
Preprint: <https://psyarxiv.com/hn7us/>
- Xie, H.* & **Redcay, E.** (2022) A tale of two connectivities: intra- and inter-subject functional connectivity jointly enable better prediction of social abilities." *Frontiers in Neuroscience, Brain Imaging Methods*, 16: 875828.
- Merchant, J. S.*, Alkire, D.*, & **Redcay, E.** (2022). Neural similarity between mentalizing and live social interaction. *Human Brain Mapping*, 43(13): 4074-4090.
Preprint: <https://doi.org/10.31234/osf.io/v8mhb>
- Xiao, Y.*, Alkire, D.*, Moraczewski, D.*, **Redcay, E.** (2022) Developmental differences in brain functional connectivity during social interaction in middle childhood. *Developmental Cognitive Neuroscience*, 54:101079. (code: <https://github.com/YaqiongXiao/SocialfcMRI>)
- Yarger, H.A.*, Nordahl, C.W., & **Redcay, E.** (2022). Examining associations between amygdala volumes and anxiety symptoms in children with autism spectrum disorder. *Biological Psychiatry Cognitive Neuroscience & Neuroimaging*. 7(9): 916-924.
- Dziura, S.L.*, Merchant, J.*, Alkire, D.*, Rashid, A.*, Shariq, D.*, Moraczewski, D.*, & **Redcay, E.** (2021). Effects of social and emotional context on neural activation and synchrony during movie viewing. *Human Brain Mapping*, 42(18):6053-6069.
Preprint: <https://doi.org/10.31234/osf.io/ywtex>.
Pre-registration: <https://osf.io/muzc3/register/564d31db8c5e4a7c9694b2be>
- Alkire, D.*, Warnell, K.R.*, Kirby, L.A.*, Moraczewski, D.*, & **Redcay, E.** (2021) Explaining Variance in Social Symptoms of Children with Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*, 51(4):1249-1265.
Preregistered: <https://osf.io/e6k5r/>
- Newman, R.S., Kirby, L.A.*, Von Holzen, K., **Redcay, E.** (2021) Read my lips! Perception of speech in noise by preschool children with autism and the advantage of watching the speaker's face. *Journal of Neurodevelopmental Disorders*, 13(1):4
- Yarger, H.A.* & **Redcay, E.** (2020) A conceptual model of risk and protective factors associated with internalizing symptoms in autism spectrum disorder: A scoping review, synthesis, and call for more research. *Development and Psychopathology*, 32(4):1254-1272.
- Moraczewski, D.*, Nketia, J.*, & **Redcay, E.** (2020) Cortical temporal hierarchy is immature in childhood. *Neuroimage*, 216 :116616.
<https://www.biorxiv.org/content/biorxiv/early/2019/06/21/678326.full.pdf>

- Smith, E., Condy, E., Anderson, A., Thurm, A., Manwaring, S.S., Swineford, L., Gandjbakhche, A., **Redcay, E.** (2020) Functional Near Infrared Spectroscopy in Toddlers: neural differentiation of communicative cues and relation to future language abilities. *Developmental Science*, 23(6) :e12948
- McNaughton, K.* & **Redcay, E.** (2020) Interpersonal Synchrony in Autism. *Current Psychiatry Reports*, 22:12.
- Redcay, E.** & Moraczewski, D.* (2020). Social cognition in context: A naturalistic imaging approach. *Neuroimage* 216 :116392.
- Warnell, K.R.* & **Redcay, E.** (2019) Minimal coherence among varied theory of mind measures in childhood and adulthood. *Cognition*, 191: 103997. Data available: <https://osf.io/56z73/>
- Chen, G., Xiao, Y.*, Taylor, P.A., Riggins, T., Geng, F., **Redcay, E.**, Cox, R.W. (2019) Handling multiplicity in neuroimaging through Bayesian lenses with multilevel modeling. *Neuroinformatics*, 17(4):515-545
- Redcay, E.** & Schilbach, L. (2019) Using second-person neuroscience to elucidate the mechanisms of social interaction. *Nature Reviews Neuroscience*, 20(8):495-505
- Morales, S.* , Bowman, L.C., Velnoskey, K.R.* , Fox, N.A., **Redcay, E.** (2019) An fMRI study of action observation and action execution in childhood. *Developmental Cognitive Neuroscience*, 37:100655.
- Geng, F., **Redcay, E.**, Riggins, T. (2019) The influence of age and performance on hippocampal function and the encoding of contextual information in early childhood. *Neuroimage*, 195:433-443.
- Warnell, K.R.* , Maniscalco, S.* , Baker, S., Yi, R., **Redcay, E.** (2019) Social and delay discounting in autism spectrum disorder. *Autism Research*, 12(6):870-877
- Xiao, Y.* , Geng, F., Riggins, T., Chen, G., **Redcay, E.** (2019) Neural correlates of developing theory of mind competence in early childhood. *Neuroimage*, 184:707-716.
- Alkire, D.A.* , Levitas, D.* , Warnell, K.R.* , **Redcay, E.** (2018) Social interaction recruits mentalizing and reward systems in middle childhood. *Human Brain Mapping*, 39:3928-3942.
- Kirby, L.C.* , Moraczewski, D.* , Warnell, K.R.* , Velnoskey, K.* , **Redcay, E.** (2018) Social network size relates to developmental neural sensitivity to biological motion. *Developmental Cognitive Neuroscience*, 30:169-177.
- Moraczewski, D.* , Chen, G., & **Redcay, E.** (2018) Inter-subject synchrony as an index of functional specialization in early childhood. *Scientific reports*, 8(1):2252
- Warnell, K.R.* , Sadikova, E.* , **Redcay, E.** (2018) Let's chat: Developmental neural bases of social motivation during real-time peer interaction. *Developmental Science*, 21(3):e12581
- Warnell, K.R.* , Pecukonis, M.* , **Redcay, E.** (2017) Effects of Informant, Age, and Sex on the Developmental Relation Between Amygdala Volume and Anxiety Traits. *Development and Psychopathology*, 21:1-13.
- Blankenship, S.L.* , **Redcay, E.**, Dougherty, L.R., Riggins, T. (2017) Development of hippocampal functional connectivity during childhood. *Human Brain Mapping*, 38(1):182-201.
- Redcay, E.**, Velnoskey, K.* , Rowe, M. (2016). Perceived communicative intent in gesture and language modulates the superior temporal sulcus. *Human Brain Mapping*, 37(10):3444-61.

- Rice, K.*, Moraczewski, D.*, **Redcay, E.** (2016). Perceived live interaction modulates the developing social brain. *Social Cognitive and Affective Neuroscience*, 11(9):1354-62.
- Rice, K.*, & **Redcay, E.** (2016). Interaction matters: A perceived social partner alters the neural response to human speech. *NeuroImage*, 129:480-488.
- Riggins, T., Geng, F., Blankenship, S.L.*, **Redcay, E.** (2016) Hippocampal functional connectivity and episodic memory in early childhood. *Developmental Cognitive Neuroscience*, 19:58-69.
- Rice, K.*, Anderson, L.C.*, Velnoskey, K.*, Thompson, J.C., **Redcay, E.** (2016) Biological motion perception links diverse facets of theory of mind in middle childhood. *Journal of Experimental Child Psychology*, 146:238-246.
- Redcay, E.**, Ludlum, R.S.*, Velnoskey, K.*, & Kanwal, S.* (2016) Communicative signals promote object recognition memory and modulate the posterior superior temporal sulcus. *Journal of Cognitive Neuroscience*, 28(1): 8-19.
- Riggins, T., Geng, F., Blankenship, S.L.*, **Redcay, E.** (2016) Hippocampal functional connectivity and episodic memory in early childhood. *Developmental Cognitive Neuroscience*, 19:58-69.
- Anderson, L.C.*, Rice, K.*, Chrabaszczy, J., **Redcay, E.** (2015). Tracking the neurodevelopmental correlates of mental state inference in early childhood. *Developmental Neuropsychology*, 40(7-8):379-394.
- Redcay, E.** & Carlson, T (2015). Rapid neural discrimination of communicative gestures. *Social Cognitive and Affective Neuroscience*, 10(4):545-51.
- Rice, K.*, & **Redcay, E.** (2015). Spontaneous mentalizing captures variability in the cortical thickness of social brain regions. *Social Cognitive and Affective Neuroscience*, 10(3):327-34.
- Rice, K.*, Viscomi, B.*, Riggins, T., **Redcay, E.** (2014) Amygdala volume linked to individual differences in mental state inference in early childhood and adulthood. *Developmental Cognitive Neuroscience*, 8:153-163.
- Redcay, E.**, Moran, J.M., Mavros, P.L., Tager-Flusberg, H., Gabrieli, J.D.E., Whitfield-Gabrieli, S. (2013) Intrinsic functional connectivity in high-functioning adolescents with autism spectrum disorder. *Frontiers in Human Neuroscience*, 7:573.
- Dufour, N., **Redcay, E.**, Young, L., Mavros, P.L., Moran, J.M., Triantafyllou, C., Saxe, R. (2013) Similar brain activation during false belief tasks in a large sample of adults with and without Autism. *Plos One*, 8(9): e75468.
- Redcay, E.**, Dodell-Feder, D., Mavros, P.L., Kleiner, M., Pearrow, M.J., Triantafyllou, C., Gabrieli, J.D.E., Saxe, R. (2013). Atypical brain activation patterns during a face-to-face interactive joint attention game in adults with autism spectrum disorder. *Human Brain Mapping*, 34(10): 2511-2523.
- Wagner, J.B., Hirsch, S.B., Vogel-Farley, V.K., **Redcay, E.**, Nelson, C.A. (2013) Eye-tracking, autonomic, and electrophysiological correlates of emotional face processing in adolescents with autism spectrum disorder. *Journal of Autism and Developmental Disorders*. 43(1):188-99.
- Redcay, E.**, Kleiner, M., Saxe, R. (2012). Look at this: The neural correlates of initiating and responding to bids for joint attention. *Frontiers in Human Neuroscience*. 6(169):1-14.

- Redcay, E.,** Dodell-Feder, D., Pearrow, M.J., Mavros, P.L., Kleiner, M., Gabrieli, J.D.E., Saxe, R. (2010). Live face-to-face interaction during fMRI: A new tool for social cognitive neuroscience. *NeuroImage*. 50: 1639-1647.
- Redcay, E. & Courchesne, E.** (2008). Deviant patterns of fMRI brain activity in response to speech in 2-3 year old children with autism spectrum disorder. *Biological Psychiatry*. 64(7): 589-598.
- Pierce, K. & **Redcay, E.** (2008) Fusiform activation in autism is a matter of ‘who’. *Biological Psychiatry*. 64(7): 552-560.
- Redcay, E.,** Haist, F., Courchesne, E. (2008). Functional neuroimaging of speech perception during a pivotal period in language acquisition. *Developmental Science*. 11(2): 237-252.
- Redcay, E.** (2008) The superior temporal sulcus performs a common function for speech and social perception: Implications for the emergence of autism. *Neuroscience and Biobehavioral Reviews*. 32(1):123-142.
- Courchesne, E., Pierce, K., Schumann, C.S., **Redcay, E.,** Buckwalter, J., Kennedy, D.P., Morgan, J. (2007) Mapping early brain development in autism. *Neuron*. 56(2):399-413.
- Redcay, E.,** Kennedy, D.P., Courchesne, E. (2007) Functional MRI during natural sleep as a method to study brain function during early childhood. *NeuroImage*. 38(4):696-707.
- Kennedy, D.P.[†], **Redcay, E.**[†], Courchesne, E. (2006). Failing to deactivate: Resting functional abnormalities in autism. *Proceedings of the National Academy of Sciences USA*. 103(21):8275-80. [†]Authors share first authorship
- Courchesne, E., **Redcay, E.,** Morgan, J.T., Kennedy, D.P. (2005). Autism at the beginning: Microstructural and growth abnormalities underlying the cognitive and behavioral phenotype of autism. *Development and Psychopathology*. 17(3):577-97.
- Redcay, E. & Courchesne, E.** (2005). When is the brain enlarged in autism: A Meta-analysis of all brain size reports. *Biological Psychiatry*. 58(1):1-9.
- Courchesne, E., **Redcay, E.,** Kennedy, D.P. (2004). The autistic brain: Birth through adulthood. *Current Opinion in Neurology*. 17(4):489-96.
- Chapters, Commentaries, and Conference proceedings:**
- Huang, Y-T., Lewis, S., Begel, A., Dow-Burger, K., Gao, G., **Redcay, E.,** Espy-Wilson, C., & Kraemer, I. (2022). Achieving Common Ground in autistic-neurotypical interactions with innovations in video calling. *Autism at Work Research Workshop*.
- Wessel, J., Dow-Burger, K., **Redcay, E.,** Begel, A. (2022) Promoting inclusive workspaces through virtual reality training of empathy in neurotypicals. *Autism at Work Research Workshop*.
- Leong, V., Bzdok, D., Paulus, F., Pelphrey, K., **Redcay, E.,** Schilbach, L. (2021). Editorial: Social Interaction in Neuropsychiatry. *Frontiers in Psychiatry-Social Cognition*, 12:683158.
- Warnell, K.R., & **Redcay, E.,** (2021). *Neural basis of theory of mind in middle childhood and adolescence*, In Lecce, S., & Devine, R.T. (eds), *Theory of mind in middle childhood and adolescence: Integrating multiple perspectives*.
- Alkire, D. & **Redcay, E.** (2019) Understanding other minds: What happens in our brains when we interact with people? *Frontiers for Young Minds*.
- Redcay, E., & Warnell, K.R.*** (2018) A social-interactive neuroscience approach to understand the developing brain. *Advances in Child Development and Behavior*, 54:1-44

- Silk, J., **Redcay, E.**, Fox, N. (2014). Contributions of Social and Affective Neuroscience to our understanding of typical and atypical development. *Developmental Cognitive Neuroscience*, 8, 1-6.
- Redcay, E.** & Saxe, R., (2013). Reduced neural sensitivity to online social interactions in autism. In M.Knauff, M. Pauen, N. Sebanz, I. Wachsmuth (Eds.) *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp 3263-3268). Austin, TX: Cognitive Science Society.
- Redcay, E.**, Rice, K. *, Saxe, R. (2013). Interaction vs. observation: A finer look at this distinction and its importance to autism (commentary). *Behavioral and Brain Sciences*, 36(4):435.
- Redcay, E.** & Saxe, R. (2013). Do you see what I see? The neural bases of joint attention. In Metcalfe J & Terrace H (eds), *Agency and Joint Attention*. New York: Oxford University Press. pp. 216-237.
- Dufour, N., **Redcay, E.**, Young, L., Mavros, P.L., Moran, J.M., Triantafyllou, C., Saxe, R. (2012) What explains variability in brain regions associated with theory of mind in a large sample of neurotypical adults and adults with ASD? In N. Miyake, D. Peebles, & R.P. Cooper, Eds. *Proceedings of the 34th Annual Meeting of the Cognitive Science Society* (pp. 312-317) Austin, TX: Cognitive Science Society.
- Redcay, E.**, O'Young, D., Slevc, L.R., Mavros, P.L., Gabrieli, J.D.E., & Sinha, P. (2012). Gaze cues in complex, real-world scenes direct the attention of high-functioning adults with autism. In N. Miyake, D. Peebles, & R.P. Cooper, Eds. *Proceedings of the 34th Annual Meeting of the Cognitive Science Society* (pp. 911-916) Austin, TX: Cognitive Science Society

Presentations

Invited Talks

- Redcay, E (2022, December) Invited Speaker, Simons Foundation for Autism Research Initiative-MIT Workshop on Conversation.
- Redcay, E (2021, December) Invited Speaker, Columbia Psychology Colloquium
- Redcay, E (2021, November) Invited Speaker, Johns Hopkins Cognitive Science Colloquium
- Redcay, E (2021, August) Invited Speaker, NIMH Naturalistic Imaging & Individual Differences Workshop and Roundtable.
- Redcay, E. (2020, April) Invited Speaker, Autism Researchers Connect Conference, Kennedy Krieger
Meeting canceled due to covid-19
- Redcay, E (2019, June) Faculty Speaker, Neuroscience School for Advanced Studies, Venice, Italy
- Redcay, E (2019, April) Invited speaker, UC Davis MIND Institute Research Seminar Series
- Redcay, E (2019, March) Invited speaker, UC Davis Center for Mind and Brain
- Redcay, E (2019, February) Invited speaker, Developmental Colloquium, UC Riverside
- Redcay, E (2018, October) Invited speaker, Simons Center for the Social Brain Colloquium series, Massachusetts Institute of Technology
- Redcay, E (2018, October) Invited speaker, Affective Neuroscience Group Seminar, National Institute of Mental Health
- Redcay, E (2017, October) Invited speaker, John D. Wiley Seminar Series, Waisman Center, University of Wisconsin-Madison, Selected for the Mayor Paul Memorial Lecture
- Redcay, E (2017, September) Invited speaker, George Mason University, University of Wisconsin-Madison

- Redcay, E (2016, November) Invited speaker, Cognitive Science/Systems Neuroscience Group, University of Virginia, Charlottesville, VA
- Redcay, E (2015, December) Invited speaker, Developmental Seminar, Penn State University
- Redcay, E (2015, November) Invited speaker, Social ORG, University of North Carolina, Chapel Hill, NC
- Redcay, E (2015, September) Invited speaker, Physiology Seminar, Howard University, Washington, D.C.
- Redcay, E (2015, April) Invited speaker, Developmental Brown Bag, University of Pittsburgh, Pittsburgh, PA
- Redcay, E (2014, September) Invited symposium on infant and child neuroimaging, Society for Research in Child Development Special Topic Meeting – Developmental Methodology, San Diego, CA
- Redcay, E (2014, August) Invited talk at Weill Cornell Medical College – Center for Autism and the Developing Brain, White Plains, New York
- Redcay, E (2014, June) Invited speaker for Panel on Joint Attention, Society for Philosophy and Psychology, Vancouver, Canada
- Redcay, E (2013, July) Keynote speaker at Workshop “When eye see you: Gaze and joint attention in human interaction,” Berlin, Germany
- Redcay, E (2011, September) Invited colloquium at George Mason University, Fairfax, VA
- Redcay, E (2011, July) Invited talk at National Institute of Communicative and Deafness Disorders, Bethesda, MD
- Redcay, E (2010, March) Invited colloquium at University of Washington, Seattle, WA
- Redcay, E (2010, February) Invited talk at the Basque Center for Brain and Language, San Sebastian, Spain
- Redcay, E (2010, January) Invited colloquium at University of Denver, Denver, CO
- Redcay, E (2009, December) Invited colloquium at Stanford University, Palo Alto, CA

Conference Talks:

- McNaughton, K.A., Alkire, D., Warnell, K.R., Kirby, L.A., Merchant, J., Moraczewski, D., **Redcay, E.** (2021, April) Neural sensitivity to social interaction predicts success of real-world peer interaction. Talk accepted for Society for Research in Child Development (virtual)
- Dziura, S.L., Rashid, A., & **Redcay, E.** (2020). *Inter-subject correlations and eye tracking during video viewing with a peer.* Organization for Human Brain Mapping, Montreal, Canada. Canceled due to covid-19 pandemic
- McNaughton, K., Kirby, L.A., Warnell, K.R., Moraczewski, D., Alkire, D., Yarger, H.A., Redcay, E. (2020, May) Neural Correlates of Social Interaction Enjoyment in Children with Typical Development and Autism Spectrum Disorder. Talk accepted for presentation at International Society for Autism Research Annual Meeting, Seattle, WA.
- Geng, F., **Redcay, E.**, Riggins, T. (2018, June). Memory and hippocampal functional connectivity during early childhood. Talk presented at the Organization for Human Brain Mapping meeting. Singapore
- Warnell, K.R.*, Sadikova, E., **Redcay, E.** (2017, April). Developmental changes in the neural bases of real-time peer interaction. Paper presented at the Society for Research in Child Development meeting. Austin, TX.
- Sand, L.A.*, **Redcay, E.**, Zeffiro, T., Bolger, D.J. (2016, May). Emotional language processing in individuals with and without autism. Talk presented at the International Meeting for Autism Research, Baltimore, MD.
- Redcay, E.**, Rice, K.*, Geng, F., Blankenship, S.*, Riggins, T. (2015, March). Amygdala-prefrontal network development during early childhood. Paper presented at the Society for Research in Child Development meeting. Philadelphia, PA

- Riggins, T., Mulligan, E., Blankenship, S.*, Rice, K.*, **Redcay, E.** (2015, March). Relations between episodic memory and hippocampal subregion volumes in early childhood. Paper presented at the Society for Research in Child Development meeting. Philadelphia, PA
- Redcay, E.**, Rice, K.*, Blankenship, S.*, Riggins, T. (2014, November). Context-dependent modulation of amygdala-prefrontal networks in early childhood. Paper presented at the Society for Neuroscience meeting. Washington DC
- Riggins, T., Blankenship, S.*, Rollins, L.*, Weiss, L., & **Redcay, E.** (2013, April). The role of the hippocampus in recollection during early childhood. Paper presented at the biennial meeting of the Society for Research on Child Development, Seattle, WA
- Redcay, E.**, O'Young, D.*, Slevc, L.R., Mavros, P.L., Gabrieli, J.D.E., Sinha, P (2012, August). Gaze cues in complex, real-world scenes direct the attention of high-functioning adults with autism. Talk presented at the Cognitive Science Society. Sapporo, Japan
- Redcay, E.**, Dodell-Feder, D.*, Mavros, P.L., Gabrieli, J.D.E., Saxe, R. (2011, May) The neural correlates of joint attention in autism spectrum disorders. Talk presented at the International Meeting for Autism Research. San Diego, CA
- Redcay, E.**, Dodell-Feder, D., Pearrow, M.J., Mavros, P.L., Gabrieli, J.D.E., Saxe, R. (2009, October) The neural correlates of live social interaction. Talk presented at the Society for Neurosciences Meeting. Chicago, IL.
- Redcay, E.** & Courchesne, E. (2008, November). Resting state networks in preschool age children during natural sleep. Talk presented at the Society for Neurosciences Meeting. Washington DC.
- Redcay, E.**, Courchesne, E. (2007, June). Functional brain development in typical and autistic toddlers. Talk presented at the UCSD Cognitive Neuroscience retreat.
- Redcay, E.** & Courchesne, E. (2007, May) Delayed and deviant fMRI response to speech in 25-50-month-old children with autism spectrum disorder. Talk presented at International Meeting for Autism Research, Seattle.
- Elman, J., Borovsky, A., & **Redcay, E.** (2007, March) Computational and neural bases of word learning: Lessons from connectionist models, electrophysiology, and fMRI. Talk presented at Society for Research in Child Development. Boston.
- Redcay, E.**, Courchesne, E. (2006, April). Functional MRI studies of language development in typical and autistic toddlers. Invited talk presented at Center for Research in Language Seminar Series, San Diego, CA.
- Redcay, E.**, Haist, F., Courchesne, E. (2006, March). Frontal cortex is recruited during a pivotal period in language acquisition. Talk presented at On-line methods in Children's Language Processing Workshop, New York, NY.
- Redcay, E.**, Haist, F., Courchesne, E. (2004, November). Speech Comprehension Activates Left Temporal Areas in Young Children: An FMRI Study. Talk presented at Society for Neurosciences, San Diego, CA.

Conference Posters:

- Alkire, D.*, Merchant, J.*, Yarger, H.*, & **Redcay, E.** (2022). Is the brain's mentalizing system atypical in autism? Assessing explicit versus spontaneous mentalizing with a socially interactive fMRI task. Poster presented at the Social & Affective Neuroscience Society Annual Meeting (virtual).
- Hosangadi, A.*, Dzuira, S.*, Alkire, D.*, & **Redcay, E.** (2022). Relations between neural response to social feedback and internalizing outcomes in adolescents during the COVID-19 pandemic. Poster presented at the Social & Affective Neuroscience Society Annual Meeting (virtual).
- Giacobbe, E. , Alkire, D.*, Yarger, H. A.*, & **Redcay, E.** (2022, May). The relation between social anxiety and meta-perception during peer interaction in children with and

- without autism spectrum disorder. Poster presented at the Social & Affective Neuroscience Society Annual Meeting (virtual).
- Munshell, P.*, Alkire, D.*, Yarger, H.*, & **Redcay, E.** (2022, May). Links between perceived dissimilarity, loneliness and internalizing symptoms in autistic children and adolescents. Poster presented at the International Society for Autism Research Annual Meeting (virtual).
- Alkire, D.*, Merchant, J.*, McNaughton, K.*, Yarger, H.*, & **Redcay, E.** (2021, September). Conversational theory of mind and social brain function in autistic and typically developing children and adolescents. Poster presented at the Flux Congress Annual Meeting (virtual).
- Yarger, H.A.*, Nordahl, C.W., & **Redcay, E.** Associations between amygdala structure and anxiety symptoms in children with and without autism spectrum disorder. Poster accepted to the 2021 annual Flux Congress conference.
- Giacobbe, E.*, McNaughton, K.*, Yarger, H.A.*, **Redcay, E.** (2021). Perceived social interaction quality as a mediator between social anxiety and ventral striatum activation to social reward in children with autism spectrum disorder. Flux Congress Annual Meeting (virtual)
- Dziura, S.L.*, Merchant, J.*, Shariq, D.*, Rashid, A.*, Alkire, D.*, Moraczewski, D.*, & **Redcay, E.** (2021, May). Interactive effects of social context and emotions on a shared viewing experience. Social and Affective Neuroscience Society, Virtual Conference. **SANS 2020 & 2021 Poster Award Winner** (2020 was cancelled due to pandemic)
- Merchant, J. S.*, Glaros, S.*, Moy, S.*, & **Redcay, E.** (2021, May). Coordinate-based Meta-Analysis of Social Interaction. Poster accepted at the Social and Affective Neuroscience Society's Annual Conference.
- Merchant, J. S.*, Shariq, D.*, & **Redcay, E.** (2021, May). fMRI Investigation of Social Context During Emotional Moving Viewing. Poster accepted at the Society for Affective Science Annual Conference.
- Alkire, D.*, McNaughton, K.*, Regars, R.*, Shariq, D.*, Trostle, A.*, Yarger, H.*, **Redcay, E.** (2021, April). Theory of Mind in Naturalistic Conversations between Autistic and Typically Developing Children and Adolescents Poster accepted for Society for Research in Child Development meeting (virtual).
- McNaughton, K.A.*, Alkire, D.*, Warnell, K.R.*, Kirby, L.A.*, Merchant, J.*, Moraczewski, D.*, **Redcay, E.** (2021, April). Neural sensitivity to social interaction predicts success of real-world peer interaction. In A. Vallorani (Chair), Timescales in the study of social relationships: from getting to know you to strengthening bonds. Symposium accepted for presentation at the Society for Research in Child Development (Virtual Meeting due to COVID-19)
- McNaughton, K.A.*, Alkire, D.*, Kirby, L.A.*, Warnell, K.R.*, Yarger, H.A.*, Moraczewski, D.*, **Redcay, E.** (2020, May). Neural correlates of social interaction enjoyment in children with typical development and autism spectrum disorder. In **E. Redcay** (Chair), Novel approaches to understand the cognitive and neural bases of social interaction in autism. Symposium accepted for presentation at the International Society for Autism Research Annual Meeting, Seattle, WA.
Conference canceled due to covid-19
- Alkire, D.*, McNaughton, K.*, Yarger, H.*, & **Redcay, E.** (2020, March). The role of reciprocity in interaction success in naturalistic conversations of autistic and neurotypical peers. Poster accepted at the Meeting on Language in Autism, Durham, NC
Conference was canceled due to covid-19 pandemic
- Merchant, J. S.*, Alkire, D.*, Dziura, S.*, & **Redcay, E.** (2020, May). *Neural similarity between mentalizing and live peer interaction*. Poster accepted for the annual meeting of the Social and Affective Neuroscience Society, Santa Barbara, CA.
Canceled due to covid-19

- Merchant, J. S.*, Dziura, S.*, Alkire, D.*, Shariq, D.*, Rashid, A.*, & **Redcay, E.** (2020, June). *Neurocognitive systems underlying shared attention to videos*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Montreal, Canada.
Virtual due to covid-19
- Alkire, D.*, Xiao, Y.*, Moraczewski, D.*, & **Redcay, E.** (2019, August). Functional development of the social brain in middle childhood. Poster presented at the Flux Congress, New York, NY.
- McNaughton, K. A.*, Moraczewski, D.*, Kirby, L.A.*, Warnell, K.R.*, Cechaviciute, A.*, Merchant, J.*, & **Redcay, E.** (2019, August). Sex Differences in Behavioral and Neural Response to Social Interaction in Middle Childhood and Early Adolescence. Poster presented at the FLUX Congress, New York City, NY.
- Morales, S.*, Suarez, G.L., Buzzell, G.A., Debnath, R., **Redcay, E.**, & Fox, N.A. (2019, May) Involvement of the Mirror Neuron System in Automatic Imitation in Childhood. Poster presented at the Society for Psychobiological Research, San Francisco, CA.
- Merchant, J. S.*, Alkire, D.*, Dziura, S.*, Rashid, A.*, Shariq, D.*, Moraczewski, D.*, & **Redcay, E.** (2019, May). Decoding joint attention to emotional videos using fMRI. Poster presented at the annual meeting of the Social and Affective Neuroscience Society, Miami, FL.
- Merchant, J. S.*, Alkire, D.*, Dziura, S.*, McNaughton, K.*, & **Redcay, E.** (2019, August). Examining neural similarity between live peer interaction and mentalizing. Poster presented at the Annual Flux Congress, New York, NY
- Alkire, D.*, Warnell, K. R.*, Kirby, L. A.*, Moraczewski, D.*, & **Redcay, E.** (2019, May). Explaining variance in social competence in school-aged children with autism spectrum disorder. Poster presented at the International Society for Autism Research Annual Meeting, Montreal, Canada.
- McNaughton, K. A.*, Moraczewski, D.*, Kirby, L.A.*, Yarger, H.A.*, Warnell, K.R.*, Cechaviciute, A.*, & **Redcay, E.** (2019, May). Relationships between self-reported social reward and neural response to peer interaction in children with autism spectrum disorder and typical development. Poster presented at the International Society for Autism Research Annual Meeting, Montreal, Canada.
- Yarger, H.A.*, Kirby, L.A.*, Moraczewski, D.*, Warnell, K.R.*, McNaughton, K.*, Cechaviciute, A.*, Alkire, D.*, & **Redcay, E.** (2019, May). Decreased ventral striatum activation during receipt of social response in children with ASD and co-occurring social anxiety symptoms. Poster presented at the 2019 International Society for Autism Research Annual Meeting, Montreal, Canada.
- Dziura, S.L.*, Alkire, D.*, Merchant, J.*, Rashid, A.*, Shariq, D.*, Moraczewski, D.*, McNaughton, K.*, & **Redcay, E.** (2019, May). *The effect of joint social interaction on affective movie viewing*. Social and Affective Neuroscience Society, Miami, FL.
- Xiao, Y.*, Alkire, D.*, Moraczewski, D.* & **Redcay, E.** (2019, May). Altered Functional Connectivity During Social Interaction in Children with Autism Spectrum Disorder. Poster presented at the International Society for Autism Research (INSAR) 2019 Annual Meeting, Montreal, Canada.
- Redcay, E.**, Xiao, Y.*, Manwaring, S.S., Smith, E.G., Swineford, L., French, J., Thurm, A. (2019, March) Bilateral posterior temporal brain connectivity is related to social communication in toddlers. Poster presented at Society for Research in Child Development (SRCD) Biennial Meeting 2019, Baltimore, Maryland, USA
- Xiao, Y., Alkire, D.*, Moraczewski, D.* & **Redcay, E.** (2019, March). Developmental Changes in Functional Connectivity During Social Interaction in Middle Childhood. Poster presented at Society for Research in Child Development (SRCD) Biennial Meeting 2019, Baltimore, Maryland, USA

- Moraczewski, D.* , Xiao, Y.* , Warnell, K., & **Redcay, E.** (2018, August). Functional integration of reward and social-cognitive brain systems during a real-time social interaction. Poster presented at the annual meeting of the Society for Developmental Cognitive Neuroscience, Berlin, Germany.
- Alkire, D.* , **Redcay, E.** (2018, August). Probing theory of mind in typical development and autism spectrum disorder using a socially interactive fMRI task. Poster presented at the Flux Congress, Berlin, Germany.
- Xiao, Y.* , Alkire, D.* , Moraczewski, D.*. & **Redcay, E.** (2018, June). Functional connectivity dynamics during social interaction in middle childhood. Poster presented at the Meeting of the Organization for Human Brain Mapping, Singapore.
- Morales, S.* , Bowman, L. C., Velnoskey, K. R.* , Fox, N. A., & **Redcay, E.** (2018, May). An fMRI study of action observation and action execution in childhood. Poster presented at FLUX Society Satellite Conference, Chapel Hill, NC.
- Warnell, K. R.* , Maniscalco, S.* , Schaefer, K. A., Ifesinachukwu, J. K., Menssor, S., Kirby, L. A.* , & **Redcay, E.** (2018, May). Relations between spontaneous and explicit mentalizing in autism and typical development. Poster presented at the annual meeting of the International Society for Autism Research, Rotterdam, Netherlands.
- Kirby, L.A.* , Sadikova, E.* , Warnell, K.R.* , Pecukonis, M.* , Moraczewski, D.* , **Redcay, E.** (2018, May). Investigating social reward circuitry during real-time peer interaction in ASD. Poster presented at the International Meeting for Autism Research, Rotterdam, Netherlands.
- Xiao, Y*., Geng, F., Riggins, T., Chen, G. & **Redcay, E.** (2018, May). Neural correlates of developing theory of mind competence in early childhood. Poster presented at the Social & Affective Neuroscience Society, Brooklyn, New York.
- Rosenthal, T.* , Alkire, D.* , Warnell, K. R., & **Redcay, E.** (2018, May). Social anxiety and mentalizing in middle childhood: Exploring brain–behavior correlations in a social-interactive context. Poster presented at the Social & Affective Neuroscience Society Annual Meeting, Brooklyn, NY.
- Alkire, D.* , Levitas, D.* , Warnell, K. R.* , & **Redcay, E.** (2017, November). Social interaction recruits mentalizing and reward systems in middle childhood. Poster presented at the Society for Social Neuroscience Annual Meeting, Washington, DC.
- Warnell, K. R., Visser, M., & Redcay, E. (2017, October). Individual differences in children’s mind-mindedness: Effects of relationship type, age, and social cognitive ability. Poster presented at the biennial meeting of the Cognitive Development Society, Portland. OR.
- Alkire, D.A.* , Levitas, D.* , Warnell, K.R.* , & **Redcay, E.** (2017, September). Social Interaction Recruits Mentalizing and Reward Systems in Middle Childhood. Poster presented at the Flux Congress, Portland, OR
- Moraczewski, D.* , Nketia, J.* , **Reday, E.** (2017, September). Cortical temporal hierarchy and social-cognitive comprehension in middle childhood. Poster presented at the annual Flux Congress. Portland, OR.
- Kirby, L.C.* , Sadikova, E.* , Warnell, K.R.* , Pecukonis, M.G.* , Moraczewski, D.* , **Redcay, E.** (2017, May). The Neural Bases of Social Motivation in Autism Spectrum Disorder during a Real-Time Peer Interaction. Poster presented at the International Meeting for Autism Research. San Francisco, CA.
- Sadikova, E.* , Kirby, L.C.* , Pecukonis, M.G.* , Warnell, K.R.* , **Redcay E.** (2017, May). Investigating developmental relations between social reward, social cognition, and symptom severity in ASD. Poster presented at the International Meeting for Autism Research. San Francisco, CA.
- Pecukonis, M.* , Kirby, L.C* , Sadikova, E.* , **Redcay, E.** (2017, May). Exclusion bias in ASD fMRI studies: the effect of participant anxiety on scan motion artifact. Poster presented at the International Meeting for Autism Research. San Francisco, CA.

- Warnell, K.R.*, Maniscalco, S.*, Hotz, L.*, Baker, S.*, Kirby, L.C.*, Milhorn, H.*, Pecukonis, M.*, Sadikova, E.*, Yi, R., **Redcay, E.** (2017, May). Social discounting in autism spectrum disorder. Poster presented at the International Meeting for Autism Research. San Francisco, CA.
- Kirby L.C.*, Warnell, K.R.*, Sadikova, E.*, Pecukonis, M.*, Moraczewski, D.*, **Redcay, E.** (April, 2017). The neural mechanisms of social motivation in autism spectrum disorder during a real-time peer interaction. Poster presented at the Society for Research in Child Development meeting. Austin, TX.
- Moraczewski, D.*, Nketia, J.*, **Redcay, E.** (April, 2017) The influence of timescale on brain synchrony and social-cognitive comprehension during naturalistic viewing in middle childhood. Poster presented at the Society for Research in Child Development meeting. Austin, TX.
- Smith, E., Condy, E., Thurm, A., Anderson, A., Shumway, S., Swineford, L., Gandjbakche, A., **Redcay, E.** (2017, April). Speech and gestures alter the fNIRS signal in prefrontal cortex in toddlers. Poster presented at the Society for Research in Child Development meeting. Austin, TX.
- Warnell, K.R.*, Pecukonis, M., **Redcay, E.** (2017, April). Effects of age, sex, and informant on the relation between amygdala volume and anxiety in childhood. Poster presented at the Society for Research in Child Development meeting. Austin, TX.
- Geng, F., **Redcay, E.**, Riggins, T. (2017, April). Hippocampal functional connectivity during rest in early childhood: the interplay of age and memory. Poster presented at the Society for Research in Child Development meeting. Austin, TX.
- Bowman, L.C., Thorpe, S.G., Cannon, E.N., **Redcay, E.**, Fox, N. (2017, April). Representational and social-cognitive correlates of children's sensorimotor EEG: A novel model for theory of mind. Poster presented at the Society for Research in Child Development meeting. Austin, TX.
- Moraczewski, D.* and **Redcay, E.** (2016, September) *Modulation of the default mode network during naturalistic viewing: A developmental study.* Poster presented at the Flux Congress, St. Louis, Missouri
- Sand, L.A.*, Zeffiro, T., Samson, F., **Redcay, E.**, Bolger, D.J. (2016, May) *Hemispheric differences in auditory complexity processing in ASD.* Poster presented at the International Meeting for Autism Research, Baltimore, MD.
- Moraczewski, D.* and **Redcay, E.** (2016, May) *Atypical functional heterogeneity of the right temporo-parietal junction in autism spectrum disorders.* Poster presented at the International Meeting for Autism Research, Baltimore, MD.
- Rice, K.*, Sadikova, E.*, **Redcay, E.** (2016, April) *Let's chat: Developmental neural bases of social motivation during real-time peer interaction.* Poster presented at the Cognitive Neuroscience Society. New York, NY.
- Moraczewski, D.*, Anderson, L.C.*, Rice, K.*, **Redcay, E.** (2016, April) *Anticipation of a live social reward modulates network integration in middle childhood.* Poster presented at the Cognitive Neuroscience Society. New York, NY.
- Anderson, L.C.*, Rice, K.*, Velnoskey, K.*, & **Redcay, E.** (2015, October) *Relation between Neural Selectivity for Biological Motion in Middle Childhood and Individual Differences in Behavior.* Poster presented at the Cognitive Development Society. Columbus, Ohio
- Rice, K.*, Anderson, L.C.*, Velnoskey, K.*, **Redcay, E.** (2015, October) *Basic Social Perception Captures Variability in Social Cognition in Middle Childhood.* Poster presented at the Cognitive Development Society. Columbus, Ohio
- Moraczewski, D.*, & **Redcay, E.*** (2015, September) *Functional Specialization of the Right Temporo-Parietal Junction During Early Childhood.* Poster presented at the Flux Congress (International Society for Integrative Developmental Cognitive Neuroscience), Leiden, Netherlands

- Anderson, L.C.*, Wood, E.J., **Redcay, E.** Newman, R. *How multitalker environments affect speech understanding in autism.* (2015, May). Poster presented at the International Meeting for Autism Research, Salt Lake City, Utah.
- Rice, K.*, Anderson, L.C.*, Velnoskey, K.*, **Redcay, E.** (2015, March). *Linking basic social perception, theory of mind, and social behavior in middle childhood.* Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Anderson, L.C.*, Rice, K.*, Velnoskey, K.*, **Redcay, E.** (2015, March). *Relation between neural selectivity for biological motion in middle childhood and individual differences in behavior.* Poster presented at the Society for Research in Child Development Biennial Meeting, Philadelphia, PA.
- Rice, K.*, Velnoskey, K.*, **Redcay, E.** (2015, March). *Developmental neural sensitivity to real-time social interactions.* Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Velnoskey, K.*, Ludlum, R.*, Kanwal, S.*, **Redcay, E.** (2014, November). *Joint attention modulates posterior superior temporal sulcus (pSTS) activity and subsequent recognition memory for cued objects.* Poster presented at the annual meeting of the Society for Neuroscience, Washington, D.C.
- Anderson, L.C.*, Rice, K.*, **Redcay, E.** (2014, November). *White matter integrity in the uncinate fasciculus correlates with face-based theory of mind abilities in 4 but not 6 year olds.* Poster presented at the Society for Neuroscience Annual Meeting, Washington, D.C.
- Anderson, L.C.*, Rice, K.*, **Redcay, E.** (2014, November). *White matter integrity in the uncinate fasciculus correlates with face-based theory of mind abilities in 4 but not 6 year olds.* Poster presented at the Society for Social Neuroscience Annual Meeting, Washington, D.C.
- Rice, K.*, Velnoskey, K.*, **Redcay, E.** (2014, November). *Language in social interactions modulates mentalizing networks.* Poster presented at the annual meeting of the Society for Neuroscience, Washington, D.C.
- Redcay, E.**, Velnoskey, K.*, Rowe, M., (2014, July). *Shared neural systems for language and gesture comprehension.* Paper presented at the International society for gesture studies, San Diego, CA
- Redcay, E.**, Velnoskey, K.*, Rowe, M., (2014, April). *Shared neural systems for language and gesture comprehension.* Paper presented at the Cognitive Neuroscience Society meeting, Boston, MA
- Rice, K.*, & **Redcay, E.** (2014, April). *Real-time social interaction modulates activity in the mentalizing network during a novel social prediction task.* Paper presented at the Cognitive Neuroscience Society meeting, Boston, MA
- Sand, L.*, **Redcay, E.**, Bolger, D.J. (2014, April) *Autism spectrum measures predict response to affective language in healthy young adults.* Paper presented at the Cognitive Neuroscience Society meeting, Boston, MA
- Rice, K.*, and **Redcay, E.** (2013, October) *Varied theory of mind measures do not form a unitary construct in early childhood or adulthood.* Poster presented at the Cognitive Development Society conference. Memphis, Tennessee
- Sand, L.A.*, **Redcay, E.**, Bolger, D.J. (2013, May). *Interaction of emotional and language networks during verbal emotional interference.* Poster presented at the American Psychological Society conference. Washington, D.C.
- Rice, K.*, Viscomi, B.*, Riggins, T., **Redcay E.** (2013, April). *Performance on a novel spontaneous theory of mind task correlates with surface area and cortical thickness of social brain regions.* Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Blankenship, S.*, **Redcay, E.**, Riggins, T. (2013, April). *Influence of hippocampal volume and connectivity with the prefrontal cortex on memory ability in early childhood.* Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

- Blankenship, S.*, **Redcay, E.**, Riggins, T. (2013, April). *Influence of hippocampal volume and connectivity with the prefrontal cortex on memory ability in early childhood*. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Redcay E.**, Rice, K.*, Viscomi, B.*, Riggins, R. (2013, April). *Using functional connectivity MRI to study advanced theory of mind in 6-year-old children*. Paper presented at the biennial meeting of the Society for Research on Child Development, Seattle, WA.
- Rice, K.*, Viscomi, B.*, Riggins, R., **Redcay E.** (2013, April). *Size of Social Brain Regions Correlates with Social Cognitive Ability in Early Childhood*. Paper presented at the biennial meeting of the Society for Research on Child Development, Seattle, WA.
- Rice, K.*, & **Redcay, E.** (2013, April). *Multiple Domains of Theory of Mind: Varied Theory of Mind Measures are not Significantly Related in Early Childhood*. Paper presented at the biennial meeting of the Society for Research on Child Development, Seattle, WA
- O'Young, D.R.*, **Redcay, E.**, Mavros, P.L., Moran, J.M., Cloutier, J., Gabrieli, J.D.E. (2011, November). *The role of attention in face processing in autism*. Poster presented at the Society for Social Neuroscience.
- Redcay, E.**, Dodell-Feder, D.*, Kleiner, M., Saxe, R. (2011, November). *Look at this: The neural correlates of joint attention during a face-to-face communicative game*. Poster presented at the Society for Social Neuroscience.
- Redcay, E.**, Dodell-Feder, D., Pearrow, M.J., Kleiner, M., Mavros, P.L., Gabrieli, J.D.E., Saxe, R. (2010, April). *Do you see what I see? The neural correlates of joint attention*. Poster presented at the Cognitive Neuroscience Society meeting.
- Cloutier, J., O'Young, D.R.*, Meagher, T., **Redcay, E.**, Moran, J.M., Ambady, N., Gabrieli, J.D.E. (2010, April). *The neural substrate of person perception in adolescents with ASD: The influence of likability and dominance*. Poster presented at the Cognitive Neuroscience Society meeting.
- O'Young, D.R.*, Cloutier, J., **Redcay, E.**, Meagher, T., Mavros, P.L., Moran, J.M., Vogel-Farley, V., Nelson, C.A., Gabrieli, J.D.E. (2010, April). *The neural substrates of emotion perception in adolescents with ASD*. Poster presented at the cognitive neuroscience society meeting.
- Redcay, E.**, Cloutier, J., Meagher, T., O'Young, D.R., Joseph, R., Mavros, P.L., Vogel-Farley, V., Tager-Flusberg, H., Nelson, C.A., Gabrieli, J.D.E. (2010, May). *The neural correlates of gaze perception in adolescents with Autism Spectrum Disorder (ASD)*. Poster presented at the International Meeting for Autism Research.
- Redcay, E.** & Courchesne, E. (2009, July) *Identification of resting-state networks during early development*. Poster presented at the Berkeley meeting on Neurocognitive Development, Berkeley, CA.
- Redcay, E.** & Courchesne, E. (2007, May) *Differential response to auditory and visual stimuli during sleep fMRI in 3-4 year old children*. Presented at Cognitive Neuroscience Society meeting, New York, NY.
- Redcay, E.** & Courchesne, E. (2005, November) *An immature pattern of brain activity in response to speech in autistic 2-3 year olds: A preliminary fMRI study*. Poster presented at Society for Neurosciences (SfN), Washington D.C.
- Kennedy, D.P., **Redcay, E.**, Courchesne, E. (2004, May). *Cognition, Emotion, and the Resting State: An fMRI Study of Neurofunctional Abnormalities in Autism*. Poster presented at International Meeting for Autism Research (IMFAR), Sacramento.
- Redcay, E.** & Courchesne, E. (2004, May) *Brain Growth Differences in Autism from Birth to Adulthood*. Poster presented at IMFAR, Sacramento.
- Redcay, E.**, Kennedy, D.P., Courchesne, E. (2004, April) *Differential Effects of Emotion and Cognitive Processing on the Resting Network*. Poster presented at Cognitive Neuroscience Society (CNS), San Francisco.

Teaching

University of Maryland, College Park

***Note: I was on sabbatical 2018-2019 and parental leave Spring 2018 and Fall 2020 and medical leave in Spring 2023**

Developmental Psychology (Graduate): 2020

Advanced Developmental Seminar (Graduate): 2013,2014,2017

Developmental Psychology (Undergraduate): 2013,2016,2017x2, 2022

Developmental of the Social Brain (Graduate): 2011

Developmental Cognitive Neuroscience (Undergraduate): 2011-2013, 2015

Harvard University, Teaching Fellow

Interventions From the Brain: From Neurobiology to Ethics (Undergraduate): 2008

Students & Trainees

Masters:

Chair

Katherine Rice, Department of Psychology (Developmental), Chair, 2013-2014

Laura Anderson, Department of Psychology (Clinical), Chair, 2014-2015

Member

Leslie Rollins, Department of Psychology (Developmental), member, 2011-2012

Bonnie Brett, Department of Psychology (Developmental), member, 2013

Brandon Terrizzi, Department of Psychology (Developmental), member, 2014-2015

Sarah Blankenship, Neuroscience and Cognitive Sciences Program, member, 2013-2015

Jacquelyn Gross, Department of Psychology (Developmental), member, 2015

Rachael Tillman, Department of Psychology (Clinical), member, 2014-2016

Kelsey Canada, Department of Psychology (Cognitive), member, 2016-2017

Amanda Woodward, Department of Psychology (Developmental), member, 2017

Rachel Tillman, Department of Psychology (Clinical), member, 2017

Tamara Allard, Department of Psychology (Developmental), member, 2020

Davis Straske, Department of Psychology (Developmental), member, 2020-2021

Tawen Ho, Neuroscience and Cognitive Sciences Program, member, 2020-2021

Davis Straske, Department of Psychology (Developmental), member, 2020-2021

Micaela Simone Dela Cruz Ada, Department of Plant Science and Landscape Architecture, member, 2022-2023

Doctoral:

Chair

Katherine Rice, Department of Psychology (Developmental), Qualifying Exam Committee, Chair, 2014

Dustin Moraczewski, Neuroscience and Cognitive Sciences Program, NACS First Year Committee, Chair, 2014-2015

Katherine Rice, Department of Psychology (Developmental), Doctoral Dissertation Committee, Chair, 2015-2016

Dustin Moraczewski, Neuroscience and Cognitive Sciences Program, Qualifying Exam Committee, Chair, 2016

Laura Anderson Kirby, Department of Psychology (Clinical), Doctoral Dissertation Committee, Chair, 2016-2018

Diana Alkire, Neuroscience and Cognitive Sciences Program, NACS First Year Committee, Chair, 2016-2017

Diana Alkire, Neuroscience and Cognitive Sciences Program, NACS Qualifying Exam Committee Chair, 2017-2018
 Dustin Moraczewski, Neuroscience and Cognitive Sciences Program, Dissertation Committee, Chair, 2016-2019
 Kathryn McNaughton, Neuroscience and Cognitive Sciences Program, NACS First Year Committee, Chair, 2018-2019
 Junaid Merchant, Neuroscience and Cognitive Sciences Program, NACS First Year Committee, Chair, 2018-2019
 Kathryn McNaughton, Neuroscience and Cognitive Sciences Program, Qualifying Exam, Chair, 2019-2020
 Junaid Merchant, Neuroscience and Cognitive Sciences Program, Qualifying Exam, 2019-2020
 Diana Alkire, Neuroscience and Cognitive Sciences Program, Dissertation Committee, Chair, 2020-2021
 Junaid Merchant, Neuroscience and Cognitive Sciences Program, Dissertation Committee, 2021-2022
 Kathryn McNaughton, Neuroscience and Cognitive Sciences Program, Dissertation Committee, Chair, 2022-current

Member

Sarah Gerson, Department of Psychology (Developmental), Dissertation Committee, member, 2011
 Brandi Stupica, Department of Psychology (Developmental), Dissertation Committee, member, 2012
 Katherine Ehrlich, Department of Psychology (Developmental), Dissertation Committee, member, 2012
 Leslie Rollins, Department of Psychology (Developmental), Qualifying Exam Committee, member, 2013
 Leslie Rollins, Department of Psychology (Developmental), Dissertation Committee, member, 2013-2014
 Laura Sherman, Department of Psychology (Developmental), Dissertation Committee, member, 2012-2013
 Nuria Abdul-Sabur, Neurosciences and Cognitive Sciences Program, Dissertation Committee, member, 2012-2013
 Jason Jones, Department of Psychology (Developmental), Dissertation Committee, member, 2014-2015
 Jason Jones, Department of Psychology (Developmental), Qualifying Exam Committee, member, 2014
 Moon Choi, Neurosciences and Cognitive Sciences Program, Dissertation Committee, member, 2013-2014
 Moon Choi, Neurosciences and Cognitive Sciences Program, NACS Advisory Committee, member, 2012-2014
 Moon Choi, Neurosciences and Cognitive Sciences Program, NACS Qualifying Exam Committee, member, 2013
 Bonnie Brett, Department of Psychology (Developmental), Qualifying Exam Committee, member, 2014
 Bonnie Brett, Department of Psychology (Developmental), Dissertation Committee member, 2015-current
 Lesley Sand, Department of Human Development and Quantitative Methods, Dissertation Committee, member, 2013-2015
 Molly Hyer, Neuroscience and Cognitive Sciences Program, Qualifying Exam Committee, member, 2014

Brandon Terrizzi, Department of Psychology (Developmental), Qualifying Exam Committee, member, 2016

Mehrnoosh Ahmadi, Neurosciences and Cognitive Sciences Program, NACS Advisory Committee, 2014-current

Mehrnoosh Ahmadi, Neurosciences and Cognitive Sciences Program, NACS First Year Project Committee, member, 2014-2015

Kathryn Yoo, Neuroscience and Cognitive Sciences Program, Dissertation Committee, member, 2014-2016

Maureen Bowers, Neuroscience and Cognitive Sciences Program, First Year Project Committee, member, 2015-2016

Jacquelyn Gross, Department of Psychology (Developmental), Qualifying Exam Committee, member, 2016

Kristi Bradshaw, Department of Psychology (Clinical), Dissertation committee, member, 2015-2017

Brandon Terrizzi, Department of Psychology (Developmental), Dissertation committee, member, 2016-2017

Srikanth Padmala, Neuroscience and Cognitive Sciences Program, Qualifying Exam Committee, member, 2016

Tawen Ho, Neuroscience and Cognitive Sciences Program, NACS First Year Committee & Qualifying exam, member, 2016-2020

Srikanth Padmala, Neuroscience and Cognitive Sciences Program, Dissertation Committee, member, 2016-2017

Heather Caryl, Howard University, External Member, 2017

Maureen Bowers, Neuroscience and Cognitive Sciences Program, Qualifying Exam Committee, member, 2017

Maureen Bowers, Neuroscience and Cognitive Sciences Program, Dissertation Committee, member, 2019-2020

Morgan Botdorf, Department of Psychology (Developmental), Qualifying exam committee, member, 2020

Amanda Woodward, Department of Psychology (Developmental), Dissertation committee, member, 2020

Heather Adair, Department of Philosophy, Dissertation committee, Dean's Representative, 2020

Gloria Kim, Neuroscience and Cognitive Sciences Program, NACS First Year Committee, 2019-2020

Morgan Botdorf, Department of Psychology (Developmental), Dissertation committee, member, 2020-2021

Tamara Allard, Department of Psychology (Developmental), Qualifying exam committee, member, 2021

Gloria Kim, Neuroscience and Cognitive Sciences Program, NACS Qualifying Exam committee, 2021

Tamara Allard, Department of Psychology (Developmental), Dissertation committee, member, 2022

Post-baccalaureate:

Daniel O'Young (Ph.D. program at Northwestern), 2011-2012

Briana Viscomi, 2012-2013

Simren Kanwal (Masters program at Tufts), 2013-2014

Kayla Velnoskey (Ph.D. program at Yale), 2013-2015

Stephanie Goncalves, 2014-2016

Dan Levitas, 2015-current

Joana Romero, 2015-current

Ruth Ludlum, 2016 (Masters program at Rutgers)
 Sydney Maniscalco, 2016-2018
 Erin Brine-Doyle, 2017-2018
 Aiste Cechaviciute, 2017-2020
 Adnan Rashid, 2018-2020
 Deena Shariq, 2018-2021
 Jacqueline Thomas, 2018-2020
 Alexandra Hickey, 2019-2020
 Elizabeth Giacobbe, 2020-present
 Paige Munshell, 2021-present
 Aditi Hosangadi, 2021-2022
 Matthew Kiely 2022-present
 Aparajita Rao 2022-present

Post-doctoral:

Yaqiong Xiao, 2017-2019
 Santiago Morales Pamplona (co-mentor), 2017-2020
 Heather Yarger, 2018-2021
 Sarah Dziura, 2018-current
 Hua (Oliver) Xie, 2020-2022

Editorial Service & Grant Review

Associate Editor

Psychological Review (2019-2020)
 Frontiers in Psychiatry – Social Cognition (2019-2020)

Guest Editor

Frontiers in Psychiatry Special Issue “Social interaction in neuropsychiatry” (2019)
 Developmental Cognitive Neuroscience Special Issue (2013)

Ad Hoc Reviewer:

Archives of General Psychiatry
 Autism
 Autism Research
 Brain Research
 Biological Psychiatry
 Brain Research
 Cerebral Cortex
 Cognitive, Affective, and Behavioral Neuroscience
 Cognition
 Consciousness & Cognition
 Developmental Neuropsychology
 Developmental Cognitive Neuroscience
 Experimental Brain Research
 Frontiers
 Human Brain Mapping
 International Journal of Developmental Neuroscience
 Journal of Child Psychology & Psychiatry
 Journal of Experimental Psychology – General
 Journal of Neurodevelopmental Disorders

Journal of Neuroscience
 Neuropsychologia
 Neuroreport
 Neuroscience Research
 Neuroscience & Biobehavioral Reviews
 Proceedings of the National Academy of Sciences
 PloS One
 Social Cognitive and Affective Neuroscience
 Social Neuroscience

Grant Reviewer

Autism Science Foundation
 NIH Child Psychopathology & Developmental Disabilities Study Section, Ad Hoc Reviewer
 NSF (Cognitive Neuroscience Program & Developmental Science Program)
 French National Research Agency
 Israeli Science Foundation
 Wellcome Trust/DBT India Alliance
 Yale Research Initiative
 Medical Research Council
 McGill-HBHL

Service

Note: I was on parental leave Spring 2018, Summer/Fall 2020, and sabbatical Fall 2018- Spring 2019, which led to gaps in service

2022	NIH CPDD Study Section, Ad hoc reviewer
2022	Psychology Behavioral Neuroscience Faculty Search Committee
2022	Psychology Colloquium Committee
2022	NACS Promotion Committee
2021-2022	Psychology Behavioral Neuroscience Faculty Search Committee
2021-current	BSOS College Council, Psychology representative
2022	Psychology Merit Review Committee
2020	Psychology Colloquium Committee
2019-current	Psychology Executive Committee
2019-2022	NACS Executive Committee
2019-2022	Psychology Space Committee
2019-2021	NACS-Fest Committee Chair
2019	NIH CPDD Study Section, Ad hoc reviewer
2016-current	Developmental Science Field Committee, Executive Committee
2019	INSAR, Invited Faculty, Annual Student & Trainee Workshop
2019	Developmental Psychology Faculty Search Committee
2018	SRCD conference abstract reviewer
2017	Undergraduate Studies Committee, Psychology
2017	Society for Social Neuroscience (S4SN) Program Committee
2016-2018	NACS-Fest Committee Chair
2017	GEMSTONE Team STRIDE discussant
2016-2017	Quantitative Faculty Search Committee
2016-2017	Interagency Autism Coordinating Committee Working Group 2
2016	NIH CPDD Study Section, Ad hoc reviewer
2012-2017	Graduate Committee, Psychology
2014-2018	MNC Safety committee
2015-2017	INSAR conference abstract reviewer

2015	All S.T.A.R. committee, BSOS
2011-2013	Education Committee for the Maryland Neuroimaging Center
2012-2014	Expert advisor for TEAM RITALIN Gemstone program
2012-2013	NSF ADVANCE Department Liaison
2013	BBS programmer/data analyst search committee
2013	MNC technologist search committee
2013	Co-organized Maryland Summer Institute on Developmental Cognitive Neuroscience
2013	Psychology adviser for TUSK (Teaching Underrepresented Sciences to Kids)
2012	SRCD Dissertation award application review
2012	Co-organized Maryland Summer Institute on Developmental Social Neuroscience
2012	Summer Research Initiative application review
2012	NIH RDOC criteria committee member for social systems
2011	Graduate Task Force, University of Maryland

Professional Memberships

International Society for Autism Research
 Social Affective Neuroscience Society
 Society for Neuroscience
 Society for Research in Child Development
 Cognitive Development Society
 Society for Social Neuroscience
 Cognitive Science Society
 Flux Society
 *not all current