

# ALEXANDRA OCHOA COHEN, Ph.D.

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## ACADEMIC APPOINTMENTS

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Aug 2022 – **Emory University**, Atlanta, GA  
Present Assistant Professor, Department of Psychology  
Core Faculty, Neuroscience and Behavioral Biology (NBB) Program  
Faculty Affiliate, Center for Mind, Brain, & Culture

## EDUCATION AND TRAINING

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June 2017 – **New York University**, New York, NY  
July 2022 Postdoctoral Fellow

Aug 2012 – **Weill Cornell Graduate School of Medical Sciences**, New York, NY  
April 2017 Ph.D., Neuroscience

Aug 2008 – **Duke University**, Durham, NC  
May 2012 B.S., Neuroscience (with Distinction), minor in Psychology, *magna cum laude*

## HONORS AND AWARDS

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2024 Laney Graduate School Mentor Fellow  
2022 Pedagogy mini-grant, Emory College  
2022 Elected to Memory Disorders Research Society (MDRS)  
2021 Society for Neuroscience Trainee Professional Development Award  
2021 International Society for Developmental Psychobiology Travel Award  
2021 Best talk, "Memory Matters: Studies Examining Human Memory" Data Blitz, Virtual UCI Center for the Neurobiology of Learning and Memory Spring Conference  
2019 International Convention of Psychological Science Travel Grant, Paris, France  
2018 Neurohackademy Fellow, University of Washington eScience Institute, Seattle, WA  
2017 National Science Foundation SBE Postdoctoral Research Fellowship Award  
2017 Gordon Research Conference Carl Storm Underrepresented Minority Fellowship, Amygdala Function in Emotion, Cognition & Disease  
2017 Tools of the Trade Workshop: Human Neuroimaging Best Practices, UCLA, Travel Award  
2016 Weill Cornell Frank & Blanche Mowrer Memorial Fellowship  
2016 Weill Cornell Graduate School Student Service Award  
2015 American Psychological Association Dissertation Research Award Grant  
2015 NIMH Summer Institute in Cognitive Neuroscience Fellowship, Santa Barbara, CA  
2014 National Science Foundation Graduate Research Fellowship Award  
2013 Phi Beta Kappa Society Member  
2012 Faculty Scholar Award Nominee, Duke University  
2012 Undergraduate Research Support Grant, Duke University

2011 Summer Neuroscience Research Fellowship, Goldman Sachs Research Fellow, Duke University

## RESEARCH FUNDING

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- 2022-2027 NIDA K01DA053438  
*Neurocognitive mechanisms of reward-motivated memory persistence across age*  
\$814,129  
Role: PI
- 2017-2019 National Science Foundation SBE Postdoctoral Research Fellowship Award  
*Developmental trajectories of emotional learning and episodic memory*  
\$138,000  
Role: PI
- 2016-2017 Weill Cornell Frank & Blanche Mowrer Memorial Fellowship  
*Effects of brief and prolonged emotion on cognitive and neural processes across development*  
\$12,000  
Role: PI
- 2014-2017 National Science Foundation Graduate Research Fellowship Award  
\$96,000 plus 3 years tuition  
Role: PI
- 2015-2016 American Psychological Association Dissertation Research Award Grant  
*Effects of brief and prolonged emotion on cognitive capacity across development*  
\$1,000  
Role: PI

## PUBLICATIONS

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(\*Equal contribution, +Mentee co-author)

29. Rubien-Thomas, E., Berrian, N., Rapuano, K.M., Skalaban, L.J., Cervera, A., Nardos, B., **Cohen, A.O.**, Lowrey, A., Daumeyer, N.M., Watts, R., Camp, N.P., Hughes, B.L., Eberhardt, J.L., Taylor-Thompson, K.A., Fair, D.A., Richeson, J.A., & Casey, B.J. (2023). Uncertain threat is associated with greater impulsive actions and neural dissimilarity to Black versus White faces. *Cognitive, Affective, & Behavioral Neuroscience*.  
<https://doi.org/10.3758/s13415-022-01056-2>
28. **Cohen, A.O.**\*, Phaneuf, C.V. \*\*, Rosenbaum, G.M., Glover, M.M.+, Avallone, K.N.+, Shen, X.+, & Hartley, C.A. (2022). Reward-motivated memories influence new learning across development. *Learning & Memory*, 29(10), 421-429. [[GitHub](#)]
27. Saragosa-Harris, N.M.+, **Cohen, A.O.**, Reneau, T.R., Villano, W.J., Heller, A.S., & Hartley, C.A. (2022). Real-world exploration increases across adolescence and relates to affect, risk-taking, and social connectivity. *Psychological Science*, 33(10), 1664-1679.
26. Skalaban, L.J., **Cohen, A.O.**, Conley, M.I., Lin, Q., Schwartz, G.N., Ruiz-Huidobro, N.A.M., Cannonier, T., Martinez, S.A., & Casey, B.J. (2022). Adolescent-specific memory effects: evidence from working memory, immediate and long-term recognition memory performance in 8-30 yr olds. *Learning & Memory*, 29(8), 223-233.

25. **Cohen, A.O.**, Glover, M.M.<sup>+</sup>, Shen, X.<sup>+</sup>, Phaneuf, C.V.<sup>+</sup>, Avallone, K.N.<sup>+</sup>, Davachi, L., & Hartley, C.A. (2022). Reward enhances memory via age-varying online and offline neural mechanisms across development. *Journal of Neuroscience*, *42*(33), 6424-6432. [OSF]
24. Hartley, C.A., Nussenbaum, K., & **Cohen, A.O.** (2021). Interactive development of adaptive learning and memory. *Annual Review of Developmental Psychology*, *3*, 59-85.
23. Rubien-Thomas, E., Berrian, N., Cervera, A., Nardos, B., **Cohen, A.O.**, Lowrey, A., Daumeyer, N.M., Camp, N.P., Hughes, B.L., Eberhardt, J.L., Taylor-Thompson, K.A., Fair, D.A., Richeson, J.A, & Casey, B.J. (2021). Processing of Task-Irrelevant Race Information is Associated with Diminished Cognitive Control in Black and White Individuals. *Cognitive, Affective, & Behavioral Neuroscience*. <https://doi.org/10.3758/s13415-021-00896-8>
22. Saragosa-Harris, N.M.<sup>+</sup>, **Cohen, A.O.**<sup>\*</sup>, Shen, X.<sup>+</sup>, Sardar, H.<sup>+</sup>, Alberini, C.M., & Hartley, C.A. (2021). Associative memory persistence and specificity in three- to five-year-olds. *Developmental Science*, e13105. <https://doi.org/10.1111/desc.13105> [OSF]
21. **Cohen, A.O.** & Meyer, H.C. (2020). Ventral hippocampus projections to prelimbic cortex support contextual fear memory. *Journal of Neuroscience*, *40*(44), 8410–8412 [Journal Club article]
20. **Cohen, A.O.**<sup>\*</sup>, Nussenbaum, K.<sup>\*</sup>, Dorfman, H.M., Gershman, S.J., & Hartley, C.A. (2020). The rational use of causal inference to guide reinforcement learning changes with age. *npj Science of Learning*, *5*(16), 1-9. <https://doi.org/10.1038/s41539-020-00075-3> [OSF]
19. Nussenbaum, K.<sup>\*</sup>, **Cohen, A.O.**<sup>\*</sup>, Davis, Z.J., Halpern, D., Gureckis, T.M., & Hartley C.A. (2020). Causal information-seeking strategies change across childhood and adolescence. *Cognitive Science*, *44*(9), 1-24. doi: 10.1111/cogs.12888 [OSF]
18. Rosenberg, M.D., Martinez, S.A., Rapuano, K.M., Conley, M.I.<sup>+</sup>, **Cohen, A.O.**, Cornejo, M.D., Hagler, D.J., Meredith, W.J., Anderson, K.M., Wager, T.D., Feczko, E., Earl, E., Fair, D.A., Barch, D.M., Watts, R., Casey, B.J. (2020). Behavioral and neural signatures of working memory in childhood. *Journal of Neuroscience*. doi: 10.1523/JNEUROSCI.2841-19.2020
17. **Cohen, A.O.**, Matese, N.G.<sup>+</sup>, Filimontseva, A.<sup>+</sup>, Shen, X.<sup>+</sup>, Shi, T.C., Livne, E., & Hartley, C.A. (2019). Aversive learning strengthens episodic memory in adolescents & adults. *Learning & Memory*, *26*(7), 272-279. doi: 10.1101/lm.048413.118 [OSF]
16. Casey, B.J., Heller, A.S., Gee, D.G., and **Cohen, A.O.** (2019). Development of the emotional brain. *Neuroscience Letters*, *693*, 29-34. doi: 10.1016/j.neulet.2017.11.055
15. Conley, M.I.<sup>+</sup>, Dellarco, D.V.<sup>+</sup>, Rubien-Thomas, E., **Cohen, A.O.**, Cervera, A., Tottenham, N., & Casey, B.J. (2018). The Racially Diverse Affective Expression (RADIATE) Face Stimulus Set. *Psychiatry Research*, *270*, 1059-1067. doi: 10.1016/j.psychres.2018.04.066
14. Casey, B.J., Cannonier, T., Conley, M.I.<sup>+</sup>, **Cohen, A.O.**, Barch, D.M., Heitzeg, M.M., Soules, M.E., Teslovich, T., Dellarco, D.V.<sup>+</sup>, Garavan, H., Orr, C.A., Wager, T.D., Banich, M.T., Speer, N.K., Sutherland, M.T., Riedel, M.C., Dick, A.S., Bjork, J.M., Thomas, K.M., Charaani, B., Mejia, M.H., Hagler, D.J., Cornejo, D., Sicut, C.S., Harms, M., Dosenbach, N.U.F., Rosenberg, M., Earl, E., Bartsch, H., Watts, R., Polimeni, J.R., Kuperman, J.M., Fair, D.A.,

- Dale, A.M., and the ABCD Imaging Acquisition Workgroup. (2018). The Adolescent Brain Cognitive Development (ABCD) Study: Imaging acquisition across 21 sites. *Developmental Cognitive Neuroscience*, 32, 43-54. doi: 10.1016/j.dcn.2018.03.001
13. Breiner, K., Li, A., **Cohen, A.O.**, Steinberg, L., Bonnie, R.J., Scott, E.S., Taylor-Thompson, K., Rudolph, M.D., Chein, J., Richeson, J.A., Dellarco, D.V.<sup>o</sup>, Fair, D.A., Casey, B.J., Galvan, A. (2018). Combined effects of peer presence, social cues, and rewards on cognitive control in adolescents. *Developmental Psychobiology*, 60(3), 292-302. doi: 10.1002/dev.21599
  12. Dreyfuss, M.F.W., Riegel, M., Pedersen, G., **Cohen, A.O.**, Silverman, M.R., Dyke, J.P., Mayer, L.E.S., Walsh, B.T., Casey, B.J., and Broft, A.I. (2017). Patients with bulimia nervosa fail to show typical neurodevelopment of cognitive control under emotional influences. *Psychiatry Research: Neuroimaging*, 266, 59-65.
  11. Rudolph, M.D., Miranda-Dominguez, O., **Cohen, A.O.**, Breiner, K., Steinberg, L., Bonnie, R.J., Scott, E.S., Taylor-Thompson, K.A., Chein, J., Fettich, K.C., Richeson, J.A, Dellarco, D.V.<sup>+</sup>, Galvan, A., Casey, B.J., and Fair, D.A. (2017). At risk of being risky: the relationship between “brain age” under emotional states and risky behavior. *Developmental Cognitive Neuroscience*, 24, 93-106. doi: 10.1016/j.dcn.2017.01.010
  10. **Cohen, A.O.** and Casey, B.J. (2017). The Neurobiology of Adolescent Self Control. In T. Egner (Ed.) *The Wiley Handbook of Cognitive Control*.
  9. Heller, A.S., **Cohen, A.O.**, Dreyfuss, M., and Casey, B.J. (2016). Changes in cortico-subcortical and subcortico-subcortical connectivity impact cognitive control to emotional cues across development. *Social Cognitive and Affective Neuroscience*, 11(12), 1910-1918.
  8. **Cohen, A.O.**, Bonnie, R.J., Taylor-Thompson, K., and Casey, B.J. (2016). When does a juvenile become an adult? Implications for law and policy. *Temple Law Review*, 88, 769-943.
  7. Gee\*, D.G., Fetcho\*, R.N., Jing\*, D., Li\*, A., Glatt, C.E., Drysdale, A.T., **Cohen, A.O.**, Dellarco, D.V.<sup>+</sup>, Yang, R., Dale, A.M., Jernigan, T.L., Lee, F.S., Casey, B.J., and the PING Consortium. (2016). FAAH genotypic differences in frontolimbic circuitry and anxiety emerge during adolescence in human and mouse. *Proceedings of the National Academy of Sciences of the United States of America*, 113(16), 4500 – 4505. doi: 10.1073/pnas.1600013113
  6. **Cohen, A.O.**, Breiner, K., Steinberg, L., Bonnie, R.J., Scott, E.S., Taylor-Thompson, K.A., Rudolph, M.D., Chein, J., Richeson, J.A, Heller, A.S., Silverman, M.R., Dellarco, D.V.<sup>+</sup>, Fair, D.A., Galvan, A., and Casey, B.J. (2016). When is an adolescent an adult? Assessing cognitive control in emotional and non-emotional contexts. *Psychological Science*, 27(4), 549 – 562. doi: 10.1177/0956797615627625
  5. **Cohen, A.O.**, Dellarco, D.V.<sup>+</sup>, Breiner, K., Helion, C., Heller, A.S., Rahdar., A., Pedersen, G., Chein, J., Dyke, J.P., Galvan, A., and Casey, B.J. (2016). The impact of emotional states on cognitive control circuitry and function. *Journal of Cognitive Neuroscience*, 28(3), 446-459. doi: 10.1162/jocn\_a\_00906
  4. **Cohen, A.O.** and Casey, B.J. (2014). Rewiring juvenile justice: the intersection of developmental neuroscience and legal policy. *Trends in Cognitive Sciences*, 18(2), 63 – 65. doi: 10.1016/j.tics.2013.11.002
  3. Dreyfuss, M., Caudle, K., Drysdale, A.T., Johnston, N.E., **Cohen, A.O.**, Somerville, S.H., Galvan, A., Tottenham, N., Hare, T.A., and Casey, B.J. (2014). Teens impulsively react rather than retreat from threat. *Developmental Neuroscience*, 36(3-4), 220 – 7. doi: 10.1159/000357755

2. Harris, L.T., Lee, V.K., Capestany, B.H., and **Cohen, A.O.** (2014). Assigning economic value to people results in dehumanization brain response. *Journal of Neuroscience, Psychology, and Economics*, 7(3), 151 – 63.
1. Kim, K.Y., Stevens, M.V., Akter, M.H., Rusk, S.E., Huang, R.J., **Cohen, A.**, Noguchi, A., Springer, D., Bocharov, A.V., Eggerman, T.L., Suen, D., Youle, R.J., Amar, M., Remaley, A.T., and Sack, M.N. (2011). Parkin is a lipid-responsive regulator of fat uptake in mice and mutant human cells. *Journal of Clinical Investigation*, 121(9), 3701-12. doi: 10.1172/JCI44736

## PREPRINTS

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Luo, X., Rechartd, A., Sun G., Nejad, K. K., Yáñez, F., Yilmaz, B., Lee, K., **Cohen, A.O.**,...&Love, B.C. (2024). Large language models surpass human experts in predicting neuroscience results. <https://doi.org/10.48550/arXiv.2403.03230>

Weigard, A.S., Suzuki, T., Skalaban, L.J., Conley, M., **Cohen, A. O.**, Garavan, H., Heitzeg, M.M., Casey, B.J., Sripada, C., and Heathcote, A. (2023). Dissociable contributions of goal-relevant evidence and goal-irrelevant familiarity to n-back performance in youth. <https://doi.org/10.31234/osf.io/nvh98>

**Cohen, A. O.**, & Insel, C. (2023). More than just a phase: adolescence as a window into how the brain generates behavior. <https://doi.org/10.31234/osf.io/pg6ft>

## INVITED TALKS

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- 2024 Innovators in Cognitive Neuroscience Seminar (Virtual)  
*Motivated learning and memory processes across development*
- 2024 Shenhav Lab, Brown University (Virtual)  
*Motivated learning and memory processes across development*
- 2022 Neuroscience Collaborative Fall Colloquium Series, CUNY Graduate Center (Virtual)  
*Motivated learning and memory processes across development*
- 2022 Neuroscience Institute Fall Seminar Series, Georgia State University, Atlanta, GA  
*Motivated learning and memory processes across development*
- 2022 Cognition Workshop, University of Chicago (Virtual)  
*Motivated learning and memory processes across development*
- 2022 NeurolabNL Symposium Keynote, Leiden, Netherlands (Virtual)  
*Effects of motivation on neurocognition across development: Implications for law, policy, & education*
- 2021 Institute of Child Development Colloquium, University of Minnesota (Virtual)  
*Motivated learning and memory processes across development*
- 2021 Clinical fMRI and Diffusion Tractography Continuing Medical Education, New York, NY  
*Pediatric fMRI*
- 2021 Biology Virtual Seminar Series, University of North Carolina at Pembroke (Virtual)  
*Effects of motivation on neurocognitive processes across adolescence*

- 2020 Learning & Brain Development Lab, Northeastern University (Virtual)  
*Motivated learning and memory processes across adolescence*
- 2020 Learning Lab Developmental Journal Club, Columbia University (Virtual)  
*The rational use of causal inference to guide reinforcement learning strengthens with age*
- 2019 Clinical fMRI and Diffusion Tractography Continuing Medical Education, New York, NY  
*Pediatric fMRI*
- 2019 Temple University, Philadelphia, PA  
*The influences of motivation on learning and memory across adolescence*
- 2019 Sackler Seminar Series, Weill Cornell Medicine, New York, NY  
*The influences of motivation on learning and memory across adolescence*
- 2019 Philadelphia District Attorney's Office Continuing Legal Education, Philadelphia, PA  
*Rewiring Juvenile Justice (co-presenter)*
- 2019 Manhattan Area Memory Meeting, Princeton University, Princeton, NJ  
*Aversive learning strengthens episodic memory in adolescents & adults*
- 2018 Psychology Brownbag Series, Rutgers University-Camden, Camden, NJ  
*Effects of brief and prolonged emotion on cognitive and neural processes across development*
- 2018 New York State Unified Court System Continuing Legal Education, New York, NY  
*Implications of Adolescent Brain Development & How it Impacts Behavior (co-presenter)*
- 2018 Judicial Summer Seminar Series, Rye Brook, NY  
*Implications of Adolescent Brain Development & How it Impacts Behavior (co-presenter)*
- 2017 Crossroads Juvenile Center, Brooklyn, NY  
*When is an adolescent an adult? Implications for law & policy*
- 2017 Fundamental of Adolescent Brain & Holmes Labs joint lab meeting, Yale University, New Haven, CT  
*Effects of brief and prolonged emotion on cognitive and neural processes across development*
- 2016 Stanford Memory Lab, Stanford University, Stanford, CA  
*Effects of brief and prolonged emotion on cognitive and neural processes across development*
- 2016 NeuroLaw Symposium at FLUX Congress annual meeting, St. Louis, MO  
*When is an adolescent an adult? Assessing influences of emotion on cognitive and neural processes across development.*
- 2016 MacArthur Law & Neuroscience Network Meeting, San Diego, CA  
*When is an adolescent an adult? Assessing influences of emotion on cognitive and neural processes across development.*
- 2016 Progress in Neuroscience Seminars, Weill Cornell, New York NY  
*Effects of brief and prolonged emotion on cognitive and neural processes across development*

2015 Workshop presentation at American Association for the Advancement of Science annual meeting, San Jose, CA  
*Leveraging outreach: A student perspective*

### CONFERENCE PRESENTATIONS (selected)

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(†Mentee co-author)

**Cohen, A.O.**, Phaneuf, C.V.†, Glover, M.M.†, Shen, X.†, Avallone, K.N.†, Davachi, L., & Hartley, C.A. (2024). Reward memory mechanisms and representations across development. Invited Early Career Researchers Symposium talk at the Association for Psychological Science Annual Convention, San Francisco, CA.

Martin, S.†, Devarayapuram Ramakrishnan, S.†, & **Cohen, A. O.** (2024). Investigating the Neural Mechanisms Underlying Positive Autobiographical Memory Retrieval Across Adolescence. Poster presented at the Social and Affective Neuroscience Society (SANS) Conference, Toronto, Canada.

Kumar, R.†, McClay, M., Clewett, D., **Cohen, A. O.** (2024). The impact of emotion prediction errors on episodic memory. Poster presentation given at the annual Social and Affective Neuroscience Society Conference, Toronto, Canada.

Oshins, K.†, Martin, S.†, Saucedo, M.†, **Cohen, A. O.** (2024). Influences of positive reinforcement on learned threat associations across development. Poster presentation given at the annual Social and Affective Neuroscience Society Conference, Toronto, Canada.

Devarayapuram Ramakrishnan, S.†, Wang, V.†, Yang, V.†, Patel, V.†, & **Cohen, A. O.** (2024). The emotional qualities of intergenerational memory transmission. Poster presentation given at the annual Social and Affective Neuroscience Society Conference, Toronto, Canada.

Holsinger, B. E.†, Fani, N., & **Cohen, A. O.** (2024). Exploring the Role of Emotion Processing in Face Memory in Dissociation. Poster presentation given at the Society of Clinical Psychology (Division 12), Atlanta, GA.

Devarayapuram Ramakrishnan, S.†, Wang, V.†, Patel, V.†, & **Cohen, A. O.** (2023). Intergenerational transmission of emotional memories in parent-teen dyads. Poster presentation given at the annual Flux Society Congress, Santa Rosa, CA.

**Cohen, A.O.**, Phaneuf, C.V.†, Glover, M.M.†, Shen, X.†, Avallone, K.N.†, Davachi, L., & Hartley, C.A. (2023). Influences of reward on neural memory mechanisms and representations across development. Symposium talk at The International Conference on Learning and Memory, Huntington Beach, CA.

**Cohen, A.O.**, Phaneuf, C.V.†, Glover, M.M.†, Shen, X.†, Avallone, K.N.†, Davachi, L., & Hartley, C.A. (2022). Influences of reward on neural memory mechanisms and representations across development. Nanosymposium talk at Society for Neuroscience annual meeting, San Diego, CA.

**Cohen, A.O.**, Phaneuf, C.V.†, Glover, M.M.†, Shen, X.†, Avallone, K.N.†, Davachi, L., & Hartley, C.A. (2022). Influences of reward on neural memory representations across development. Poster presentation at Cognitive Neuroscience Society annual meeting, San Francisco, CA.

**Cohen, A.O.**, Glover, M.M.†, Shen, X.†, Avallone, K.N.†, Phaneuf, C.V.†, Davachi, L., & Hartley, C.A. (2021). Reward-motivated memory processes and their underlying neural mechanisms change with age. Data blitz at the UCI CNLM Spring Conference, Virtual.

**Cohen, A.O.**, Glover, M.M.<sup>+</sup>, Shen, X.<sup>+</sup>, Avallone, K.N.<sup>+</sup>, Phaneuf, C.V.<sup>+</sup>, Davachi, L., & Hartley, C.A. (2021). Reward-motivated memory processes and their underlying neural mechanisms change with age. Flash talk at the Association for Psychological Science annual meeting, Virtual.

Phaneuf, C.V.<sup>+</sup>, **Cohen, A.O.**, Glover, M.M.<sup>+</sup>, Avallone, K.N.<sup>+</sup>, Shen, X.<sup>+</sup>, & Hartley, C.A. (2020). The Influence of reward-motivated memories on learning across development. Poster presentation at FLUX Congress annual meeting, Virtual.

**Cohen, A.O.**, Glover, M.M.<sup>+</sup>, Shen, X.<sup>+</sup>, Avallone, K.N.<sup>+</sup>, Phaneuf, C.V.<sup>+</sup>, Davachi, L., & Hartley, C.A. (2020). Influences of reward motivation on behavioral and neural memory processes across age. Poster presentation at FLUX Congress annual meeting, Virtual.

**Cohen, A.O.**, Glover, M.M.<sup>+</sup>, Shen, X.<sup>+</sup>, Avallone, K.N.<sup>+</sup>, Phaneuf, C.V.<sup>+</sup>, Davachi, L., & Hartley, C.A. (2020). Influences of reward motivation on behavioral and neural memory processes across age. Oral presentation at Context and Episodic Memory Symposium annual meeting, Virtual.

**Cohen, A.O.\***, Nussenbaum, K.\*, Dorfman, H., Shen, X.<sup>+</sup>, Sardar, H.<sup>+</sup>, Valencia, D., Glover, M.<sup>+</sup>, Gershman, S.J., & Hartley, C.A. (2019). Developmental change in the influence of causal judgments on reinforcement learning. Poster presentation at FLUX Congress annual meeting, New York, NY.

Saragosa-Harris, N.M.<sup>+</sup>, **Cohen, A.O.**, Shen, X.<sup>+</sup>, & Hartley, C.A. (2019). Mapping the persistence of memory in three- to five-year-olds. Poster presentation at FLUX Congress annual meeting, New York, NY.

Nussenbaum K.\*, **Cohen A.O.\***, Dorfman, H., Glover, M.<sup>+</sup>, Valencia, D., Shen, X.<sup>+</sup>, Gershman, S.J., & Hartley, C.A. (2019). Developmental change in the use of causal inference to guide reinforcement learning. Poster presentation at the Reinforcement Learning and Decision Making annual meeting, Montreal, Canada.

**Cohen, A.O.\***, Nussenbaum, K.\*, Dorfman, H., Shen, X.<sup>+</sup>, Sardar, H.<sup>+</sup>, Valencia, D., Glover, M.<sup>+</sup>, Gershman, S.J., & Hartley, C.A. (2019, May). Age-related change in the effects of causal judgments on learning from reinforcement. Poster presentation at the Social & Affective Neuroscience Society annual meeting, Miami, FL.

**Cohen, A.O.**, Matese, N.G.<sup>+</sup>, Filimontseva, A.<sup>+</sup>, Shen, X.<sup>+</sup>, & Hartley, C.A. (2019, March). *Aversive learning strengthens episodic memory in adolescents & adults*. Oral presentation at the International Convention of Psychological Science, Paris, France.

**Cohen, A.O.**, Matese, N.G.<sup>+</sup>, Filimontseva, A.<sup>+</sup>, Shen, X.<sup>+</sup>, & Hartley, C.A. (2018, November). *Aversive learning strengthens episodic memory in adolescents & adults*. Poster presentation at Society for Neuroscience annual meeting, San Diego, CA.

**Cohen, A.O.**, Matese, N.G.<sup>+</sup>, Filimontseva, A.<sup>+</sup>, Shen, X.<sup>+</sup>, & Hartley, C.A. (2018, August). *Aversive learning strengthens episodic memory in adolescents & adults*. Poster presentation at FLUX Congress annual meeting, Berlin, Germany.

Saragosa-Harris, N.M.<sup>+</sup>, Reneau, T.R., Villano, W.J., **Cohen, A.O.**, Heller, A.S., & Hartley, C.A. (2018, May). *Real-world exploration is associated with greater positive affect in adolescents and adults*. Poster presented at the Social and Affective Neuroscience Society, New York, NY.

**Cohen, A.O.**, Matese, N.G.<sup>+</sup>, Filimontseva, A.<sup>+</sup>, & Hartley, C.A. (2018, April). *Pavlovian category conditioning across adolescent humans*. Oral presentation at The International Conference on Learning and Memory, Huntington Beach, CA.



**Cohen, A.O.**, Sardar, H.<sup>+</sup>, Matese, N.G.<sup>+</sup>, Potter, T.C.S., & Hartley, C.A. (2017, August). *Appetitive conditioning and extinction across adolescence*. Poster presentation at the Gordon Research Conference on Amygdala Function in Emotion, Cognition & Disease biennial meeting, North Easton, MA.

**Cohen, A.O.**, Conley, M.I.<sup>+</sup>, Cannonier, T., Williams, M.D., Dellarco, D.V.<sup>+</sup>, and Casey, B.J. (2017, March). *The impact of emotional cues on short-term and long-term memory during adolescence*. Poster presentation at Social and Affective Neuroscience Society annual meeting, Los Angeles, CA.

**Cohen, A.O.**, Dellarco, D.V.<sup>+</sup>, Conley, M.I.<sup>+</sup>, and Casey, B.J. (2016, November). *The impact of emotional cues on short-term and long-term memory during adolescence*. Poster presentation at Society for Neuroscience annual meeting, San Diego, CA.

**Cohen, A.O.**, Breiner, K., Dellarco, D.<sup>+</sup>, Heller, A.S., Pedersen, G., Rudolph, M., Bonnie, R., Taylor-Thompson, K., Scott, E.S., Steinberg, L., Chein, J., Fair, D.A., Galván, A., and Casey, B.J. (2015, October). *When does an adolescent become an adult: The influence of emotion on the development of cognitive control*. Poster presentation at Society for Neuroscience annual meeting, Chicago, IL.

**Cohen, A.O.**, DiNapoli, S., Abdullah, A., Waters, E.M. (2015, October). *Engaging New York City Elementary School Students in Hands On Learning about the Brain during Classroom Visits for Brain Awareness Week*. Poster presentation at Society for Neuroscience annual meeting, Chicago, IL.

**Cohen, A.O.**, Breiner, K., Dellarco, D.<sup>+</sup>, Heller, A.S., Pedersen, G., Rudolph, M., Bonnie, R., Taylor-Thompson, K., Scott, E.S., Steinberg, L., Chein, J., Fair, D.A., Galván, A., and Casey, B.J. (2015, September). *When does an adolescent become an adult: The influence of emotion on the development of cognitive control*. Poster presentation at FLUX Congress annual meeting, Leiden, Netherlands.

**Cohen, A.O.**, Breiner, K., Dellarco, D.<sup>+</sup>, Pedersen, G., Heller, A.S., Rudolph, M., Bonnie, R., Taylor-Thompson, K., Scott, E.S., Steinberg, L., Fair, D.A., Galván, A., and Casey, B.J. (2015, April). *Young adults react more like adolescents than older adults under transient and sustained states of emotion*. Poster presentation at Social and Affective Neuroscience Society annual meeting, Boston, MA.

**Cohen, A.O.** and Harris, L.T. (2012, April). *Rehumanizing the homeless: social interaction and the social cognition response*. Poster presented at Social and Affective Neuroscience Society annual meeting, New York, NY.

## TEACHING

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Spring 2024      Course Instructor, Cognitive Science & Society (PSYC770R; Graduate Seminar)  
**Emory University**, Atlanta, GA

Fall 2022,  
2023              Course Instructor, Brain & Behavior (PSYC 207; Undergraduate Survey Course)  
**Emory University**, Atlanta, GA

Nov 2023        Guest Lecturer, Developmental Theory & Methods, *The Adolescent Brain*  
**Emory University**, Atlanta, GA

May 2020,  
Nov 2022  
(virtual)        Guest Lecturer, Psychological Science and Society, *From research to practice: criminal justice*  
**New York University**, New York, NY

March 2021, 2022      Guest Lecturer, Behavioral and Cognitive Neuroscience, *Human Affective Neuroscience*  
**New York University**, New York, NY

Mar 2018, 2020 (virtual)      Guest Lecturer, Special Topics in Neural Science, *The Emotional Brain*  
**New York University**, New York, NY

Nov 2020 (virtual)      Guest Lecturer, Psych 124C: Human Memory, *Memory across development*  
**University of California, Los Angeles**, Los Angeles, CA

Aug 2018 – Aug 2019      Neuroscience Mentor, BrainWaves: An EEG-based neuroscience curriculum and teacher training program for high schools  
**New York University**, New York, NY

Sept 2017 – Dec 2017      Adjunct Instructor & Guest Lecturer, College Core Curriculum, Brain & Behavior  
**New York University**, New York, NY

Sept 2013 – Mar 2015      Teacher Assistant, From Neuron to Brain  
**Weill Cornell Graduate School of Medical Sciences**, New York, NY

Jan 2010 – May 2012      Math Laboratory Teacher Assistant, Laboratory Calculus I & II  
**Duke University**, Durham, NC

#### **OUTREACH & PUBLIC ENGAGEMENT (selected)**

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March 2023, March 2024      Exhibits by LUMeN Labs  
**Atlanta Science Festival**

Sept 2022      Speaker & panelist, *FluxOutreach*  
**Flux Society**

May 2017 – July 2022      Member, Project Leader  
Responsibilities included: lead team to create “knowledge briefs” of science related to specific topics (*Raise the Age NY*, *Miranda Rights*) for partner organizations  
**Scientist Action and Advocacy Network (ScAAN)**, New York, NY

Jan 2017 – April 2022      Events Director  
Co-Founder and Organizer, BraiNY Bunch Virtual Journal Club  
Co-Chair, Brain Awareness Week (BAW) 2017-2020  
Responsibilities included: Point of contact for event coordinators and partner organizations/sites (20+ events/BAW) throughout NYC; Oversee volunteer recruitment (100+ volunteers), volunteer assignments, social media communication, website listings, and more  
**braiNY, the Greater NYC Chapter of the Society for Neuroscience**, New York, NY

March 2021      Guest speaker, *A Developmentally-Informed Approach to Youth Justice*  
Baltimore Under Ground Science Space, Baltimore, MD

Aug 2020, July 2021      Moderator and Event Organizer: *What I wish I had known about doing a PhD*  
**Growing up in Science Online Events**  
<http://www.cns.nyu.edu/events/growingupinscience/>

- Apr 2020 Opinion: Want to Ease the Isolation of Social Distancing? Ask a Teenager  
**Scientific American**  
<https://blogs.scientificamerican.com/observations/want-to-ease-the-isolation-of-social-distancing-ask-a-teenager/>
- Mar 2020 Article: Adolescent learning: rewards, punishments, and the importance of context  
**BOLD Blog (Blog On Learning and Development)**  
<https://bold.expert/adolescent-learning-rewards-punishments-and-the-importance-of-context/>
- Mar 2019 Panelist, *Our Brain on A.I.*  
**The Cooper Union**, New York, NY
- Dec 2018 Guest Speaker, *Learning, Memory, & the Brain*  
**The Browning School**, New York, NY
- Nov 2018 Article: Equation Invasion! How Math can Explain How the Brain Learns  
**Frontiers for Young Minds**, <https://kids.frontiersin.org/article/10.3389/frym.2018.00065>
- June 2018 Neuroscientist's Apprentice Event Leader  
**World Science Festival 2018**, New York, NY
- April 2018 Panelist, Rutgers STEAM Careers in S.T.E.A.M Panel  
**Rutgers University**, New Brunswick, NJ
- Oct 2017 Guest Speaker  
**World Science Festival Mini Brain Fair**, New York, NY
- May 2017 Keynote Speaker  
**Students Modelling A Research Topic (SMART) Symposium**, New York NY
- Sept 2013 – Co-Founder & Outreach Chair, Tri-Institutional Outreach Committee  
May 2016 Initiatives include: Creation of Tri-I Volunteer Network, Mentorship program with New York Hall of Science, Children's Health Council Family Science Day, Brain Awareness Activities, Science Days, and more  
**Weill Cornell- Sloan Kettering- Rockefeller**, New York, NY
- Jan 2009 – Volunteer, Females Excelling More in Math, Engineering, and Science  
May 2012 **Duke University**, Durham, NC

## MENTORING & ADVISING

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### Emory University

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|---|---|
| Graduate Students:                      | Rohini Kumar (2023-present)   |
| Graduate Research Assistants:           | Anirudh Pillala (2024-present), Vishva Patel (2022-2023)  |
| Post-Baccalaureate Research Assistants: | Sophia Martin (2023-present), Sagarika Devarayapuram<br>Ramakrishnan (2022-present)   |
| Undergraduate Research Assistants:      | Alya Khoury (2024-present), Yonah Temlock (2024-present), Anny<br>Huang (2024-present), Michelle Saucedo (2024-present), John |

Wang (2023-present), Vivian Yang (2023-present), Katie Oshins (2022-present), Vanessa Wang (2023-2024), Brooke Holsinger (2022-2024)

Undergraduate Honors Thesis Committee:

*Psychology:* Brooke Holsinger (2024)

*Neuroscience:* Lyndsey Lipson (2024)

Dissertation Committees: Ryno Kruger (2023-present), Nia Barbee (2023-present), Susie Shepardson (2023-present)

First Year Advisory Committees: Shania Terry (2023-present), Lesenia Fish (2023-present), Colette Delawalla (2022-present), Marta Migo (2022-present)

External Committees: David Johnson (2022-present, USC Neuroscience Graduate Program Guidance Committee, PI: Elizabeth Sowell)

### **New York University**

Masters Students: Nicholas Matese, Karen Shen, Morgan Glover, Jimmy Wyngaarden

Post-Baccalaureate Research Assistant: Betsy Deza, Natalie Saragosa-Harris, Camille Phaneuf

Undergraduate Honors Students: Allison Neeson, Haniyyah Sardar, Kristen Avallone

Undergraduate Research Assistant: Asia Filimontseva

### **Weill Cornell Medicine**

Post-Baccalaureate Research Assistants: Danielle Dellarco, May Conley, Melanie Silverman

Rotating Graduate Students: Charlotte Bavley, Hillary Raab

Undergraduate Research Assistant: Camille Gregory

### **TRAINEE-RELATED AWARDS & FUNDING**

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Phi Beta Kappa Faculty or Staff of Greatest Influence (2024)

NIMH Summer Internship Program (2024) to Katie Oshins (Undergraduate)

Society of Clinical Psychology (Division 12) Poster Award (2024) to Brooke Holsinger (Undergraduate)

Emory Summer Undergraduate Research Experience (2023) to Katie Oshins (Undergraduate)

Department of Defense NDSEG Fellowship (2021) to Camille Phaneuf (Post-Baccalaureate RA)

National Science Foundation GRFP Fellowship (2021; Declined) to Camille Phaneuf (Post-Baccalaureate RA)

NYU Dean's Undergraduate Research Fund Grant (2019) to Kristen Avallone (Undergraduate)

NYU Dean's Undergraduate Research Fund Grant (2018) to Haniyyah Sardar (Undergraduate)

### **SPECIALIZED TRAINING COURSES & WORKSHOPS**

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2022 Atlanta Society of Mentors (ASOM) Mentor Training Workshop series, Virtual

2020 NYU Science Policy & Advocacy Course, Virtual

2020 NYU Advanced Science Communication Workshop, New York, NY

2019 Computational Psychiatry Summer Course, New York, NY

2019 FSL Course, Split, Croatia

2019 Computational Social and Affective Neuroscience Preconference, Miami Beach, FL

2018 Neurohackademy, University of Washington eScience Institute, Seattle, WA

2018 Human Connectome Project Course, University of Oxford

2018 SOBP Computational Psychiatry Satellite: Reinforcement Learning

2018 Software Carpentry Workshop (Unix Shell, Python, Git, SQL), NYU

2017 Reproducible Neuroimaging Training Workshop, Society for Neuroscience, Washington, DC

2017 At the Boundary of Adolescence and Young Adulthood: The Next Generation of Criminal Justice

Reform, Washington, DC  
2017 Tools of the Trade Workshop: Human Neuroimaging Methods and Best Practices, UCLA  
2015 NIMH Summer Institute in Cognitive Neuroscience Fellowship, UCSB

## **PROFESSIONAL SERVICE AND ACTIVITIES**

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### Ad Hoc Reviewing:

*Behavioral Neuroscience, Cerebral Cortex, Child Development, Cognition, Developmental Psychology, Developmental Science, Frontiers in Human Neuroscience, Journal of Affective Disorders, Journal of Experimental Child Psychology, Journal of Experimental Psychology: General, Journal of Neuroscience, Journal of Research on Adolescence, Nature Communications, NeuroImage, Neuropsychologia, Neuroscience & Biobehavioral Reviews, Neuroscience Letters, Proceedings of the National Academy of Sciences, Social Cognitive and Affective Neuroscience*

### Grant/Fellowship/Award Reviewing:

National Institutes of Health, Learning Memory and Decision Neuroscience (LMDN) study section (2023)  
NSF Cognitive Neuroscience FY 2024 Review Panel (2023)

### Special Issue Co-Editor:

*Developmental Cognitive Neuroscience* (2022)

### Professional Committees:

Planning Committee of the Barton Center Youth Justice Convening (2023-present)  
Flux Society Program Committee (2021)  
Flux Society Trainee Committee (2018-2020)

### Leadership:

Flux Society “Computational Modeling in Development” Workshop co-organizer (2021)  
Co-Director of The Mortimer D. Sackler, M.D. Summer Institute, Sackler Institute for Developmental Psychobiology, Weill Cornell Medical College (2016)  
Sackler Seminar Series Coordinator, Sackler Institute for Developmental Psychobiology, Weill Cornell Medical College (2014-2015)

### Departmental Service:

Graduate Recruitment Committee (2023-present)  
Curriculum Committee (2024-present)  
Colloquium Committee (2023-2024)

## **PROFESSIONAL MEMBERSHIPS**

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American Psychological Association  
Association for Psychological Science  
Cognitive Neuroscience Society  
Flux: The Society for Developmental Cognitive Neuroscience  
International Society for Developmental Psychobiology  
Memory Disorders Research Society  
Social and Affective Neuroscience Society  
Society for Neuroscience