LAUREL JOY GABARD-DURNAM

Plasticity in Neurodevelopment Lab
Department of Psychology, Northeastern University
172 Interdisciplinary Science & Engineering Complex (ISEC)
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ACADEMIC APPOINTMENTS

2020 - Assistant Professor of Psychology, Northeastern University

2020 - Faculty, Center for Cognitive and Brain Health, Northeastern University

2019 – 2020 Postdoctoral Research Associate, Boston Children's Hospital, Harvard University

2016 – 2019 Postdoctoral Fellow, Boston Children's Hospital, Harvard University
Research mentors: Drs. Charles A. Nelson and Takao K. Hensch

EDUCATION

2016 **Columbia University**, New York, NY
Ph.D. in Psychology

2015 **Columbia University**, New York, NY
M.Phil. in Psychology

2012 **University of California, Los Angeles**, Los Angeles, CA
M.A. in Developmental Psychology

2011 **University of Cambridge**, Cambridge, England
M.Phil. in Experimental Psychology

2010 **Harvard University**, Cambridge, MA
B.A. in Neurobiology, *summa cum laude*
Highest Honors in Neurobiology, Minor: Celtic Literature

HONORS AND AWARDS

2018 - Bill & Melinda Gates Foundation Neuroimaging Consortium
2017 Boston Children's Hospital Fellow Award, Division of Developmental Medicine
2015 The Edward E. Smith Memorial Award in Cognitive Neuroscience, Columbia University
2014 - 2016 Dean's Fellowship, Columbia University
2011 - 2012 Chancellor's Prize Fellowship, UCLA
2011 - 2012 Distinguished University Fellowship, UCLA
2009 Harvard College Research Award, Harvard University
2008 - 2009 Harvard-Radcliffe Research Fellowship
2007 - 2008 Harvard College Scholar, Harvard University

Training Fellowships and Travel Awards

2019 International Society for Developmental Psychobiology Travel Award
2016 National Science Foundation Conference Fellow "Transforming our understanding of maternal control over the infant brain"

2015 Society for Neuroscience Trainee Professional Development Travel Award
2015 NIMH Summer Institute in Cognitive Neuroscience Fellow, UCSB
2015 Graduate Student Advisory Council Travel Fellowship, Columbia University
2014 New York Academy of Sciences Travel Fellowship
2014 Psychology Department Travel Award, Columbia University
2013 Semel Institute of Neuroscience Graduate Travel Award, UCLA
2012 Neuroimaging Summer Institute Fellow, University of Maryland

RESEARCH FUNDING

2020 - 2022 **Bill and Melinda Gates Foundation**
Early EEG predictors of neurodevelopmental outcomes.
Award: $820,000
Role: Co-Principle Investigator (multiple-PI award)

2018 - 2019 **Autism Science Foundation & Rett Syndrome Research Foundation**
Postdoctoral Fellowship
Examining brain function during language critical periods in ASD development
Award: $35,000
Role: Principle Investigator

2012 - 2016 **DGE-1144087 National Science Foundation**
Graduate Research Fellowship Award
Development of intrinsic functional connectivity between the amygdala and prefrontal cortex
Award: $95,000
Role: Principle Investigator

2013 - 2014 **Staglin IMHRO Center for Cognitive Neuroscience**
Childhood as a human sensitive period for emotion regulation circuitry development
Award: $12,000
Role: Co-Principle Investigator

2013 - 2014 **National Institute of Mental Health, Early Experience, Stress, & Neurodevelopment Center** (PI: Megan Gunnar)
A pilot study on early adversity-induced acceleration of a human sensitive period for emotion regulation
Award: $5,000
Role: Co-Investigator

2012 - 2013 **University of California, Los Angeles**
Graduate Research Mentorship Award & Summer Award
Effects of early environmental stress on amygdala-cortical functional connectivity development
Award: $26,000
Role: Principle Investigator

2010 - 2011 **Harvard University**
Lionel de Jersey Harvard-Cambridge Scholarship Award
Effects of dominance hierarchy and conspecific social behavior on social learning in Aphelocoma californica
Award: $120,000
Role: Principle Investigator

PUBLICATIONS

* authors contributed equally
denotes mentee

2020

35. McLaughlin, K. & **Gabard-Durnam**, L.J. (in press) Experience-driven plasticity and the emergence of psychopathology: a mechanistic framework integrating development and the environment into the Research Domain Criteria (RDoC) model. *Journal of Abnormal Psychology*.

34. **Gabard-Durnam**, L.J., McLaughlin, K.A. (accepted) Sensitive periods in human development: charting a course for the future. *Current Opinion in Behavioral Sciences*.

33. Nelson, C.A., **Gabard-Durnam**, L.J. (2020) Early adversity and critical periods: neurodevelopmental consequences of violating the expectable environment. *Trends in Neurosciences*, 43:133-143.

2019

32. **Gabard-Durnam**, L.J., Wilkinson, C., Kapur, K., Tager-Flusberg, H., Levin, A., Nelson, C.A. (2019) EEG power in the first year of life best predicts autism outcomes: a longitudinal assessment across the first three years. *Nature Communications* 10:4188.

31. **Gabard-Durnam**, L.J., McLaughlin, K.A. (2019) Do sensitive periods exist for exposure to adversity? *Biological Psychiatry* 85: 789-791.

30. Wilkinson, C., **Gabard-Durnam**, L.J., Kapur, K., Tager-Flusberg, H., Levin, A., Nelson, C.A. (in press). Use of longitudinal EEG measures in estimating language development in infants with and without familial risk for autism spectrum disorder. *Neurobiology of Language*.

29. Valdes, V., Zorilla, C., **Gabard-Durnam**, L.J., Muler, N., Rahman, Z., Rivera, D., Nelson, C.A. (in press). Cognitive development of infants exposed to the Zika virus in San Juan, Peurto Rico. *JAMA Network Open*.

28. Wilkinson, C., Levin, A., **Gabard-Durnam**, L.J., Tager-Flusberg, H., Nelson, C.A. (2019) Reduced frontal gamma power at 24 months is associated with better expressive language in toddlers at risk for Autism. *Autism Research*.

27. Callaghan, B., Gee, D., **Gabard-Durnam**, L.J., Telzer, E., Humphreys, K., Goff, B., Shapiro, M., Flannery, J., Lumian, D., Fareri, D., Caldera, C., Tottenham, N. (2019) Decreased amygdala reactivity to parent cues protects against anxiety following early adversity: an examination across 3 years. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.

26. Callaghan, B., Fields, A., Gee, D.G., **Gabard-Durnam**, L., Caldera, C., Humphreys, K., Goff, B., Flannery, J., Telzer, E., Shapiro, M., Tottenham, N. (2019) Mind and gut: associations between mood and gastrointestinal distress in children exposed to adversity. *Development and Psychopathology*.

2018

25. **Gabard-Durnam**, L.J.*, O'Muircheartaigh, J.*, Dirks, H., Dean III, D.C., Tottenham, N., Deoni, S. (2018) Human amygdala functional network development: a cross-sectional study from 3 months to 5 years of age. *Developmental Cognitive Neuroscience* 34: 63-74.

24. **Gabard-Durnam**, L.J., Mendez Leal, A., Levin, A. (2018). The Harvard Automated Processing

Pipeline for Electroencephalography (HAPPE): standardized processing software for developmental and high-artifact data. *Frontiers in Neuroscience: Brain Imaging Methods* doi: 10.3389/fnins.2018.00097.

23. Humphreys, K. L., **Gabard-Durnam**, L., Goff, B., Telzer, E. H., Flannery, J., Gee, D. G., Park, V., Lee, S. S., Tottenham, N. (2018). Friendship and social functioning following early institutional rearing: The role of ADHD symptoms. *Development and Psychopathology.*

22. Levin, A., Mendez Leal, A., **Gabard-Durnam**, L.J., O'Leary, H. (2018) The Batch Electroencephalography Automated Processing Platform (BEAPP). *Frontiers in Neuroscience: Brain Imaging Methods* doi: 10.3389/fnins.2018.00513.

21. Odriozola, P., Dajani, D.R., Burrows, C.A., Uddin, L.Q., **Gabard-Durnam,** L.J., Tottenham, N., Gee, D.G. (2018). Atypical frontoamygdala functional connectivity in youth with autism. *Developmental Cognitive Neuroscience.*

2017

20. Tottenham, N. & **Gabard-Durnam**, L.J. The developing amygdala: a student of the world and a teacher of the cortex. (2017) *Current Opinion in Psychology* 17: 55-60.

19. Fareri D.S., **Gabard-Durnam** L.J., Goff B., Flannery J., Gee D.G., Lumian D.S., Caldera C., Tottenham N. (2017) Altered ventral striatal-medial prefrontal cortex resting-state connectivity mediates adolescent social problems after early institutional care. *Development and Psychopathology* 29: 1865-1876.

18. Flannery, J., **Gabard-Durnam**, L., Shapiro, M., Goff, B., Caldera, C., Louie, J., Gee, D., Telzer, E., Humphreys, K., Lumian, D., Tottenham, N. (2017) Diurnal Cortisol after Early Institutional Care-Age Matters. *Developmental Cognitive Neuroscience* 25: 160-166.

17. VanTieghem, M., **Gabard-Durnam,** L., Goff, B., Flannery, J., Humphreys, K., Telzer, E., Caldera, C., Louie, J., Shapiro, M., Bolger, N., Tottenham, N. (2017) Positive valence bias and parent-child relationship security moderate the association between early institutional caregiving and internalizing symptoms. *Development and Psychopathology* 29: 519-533.

16. Silvers, J.A., Goff, B., **Gabard-Durnam**, L.J., Gee, D.G., Fareri, D.S, Caldera, C., Tottenham, N. (2017) Vigilance, the amygdala, and anxiety in youth with a history of institutional care. *Biological Psychiatry: Cognitive Neuroscience and NeuroImaging* 2: 493-501.

2016

15. **Gabard-Durnam**, L.*, Gee, D.G.*, Goff, B., Flannery, J., Telzer, E., Humphreys, K., Lumian, D., Fareri, D.S., Caldera, C., Tottenham, N. (2016) Stimulus-elicited connectivity influences resting-state connectivity years later in human development: a prospective study. *Journal of Neuroscience* 36: 4771-4784.

14. Silvers, J., Lumian, D., **Gabard-Durnam**, L.J., Gee, D., Goff, B., Fareri, D., Caldera, C., Flannery, J., Telzer, E., Humphreys, K., Tottenham, N. (2016) Previous institutionalization is followed by broader amygdala-hippocampal-PFC network connectivity during aversive learning in human development. *Journal of Neuroscience* 36: 6420-6430.

13. Green, S., Goff, B., Gee, D.G., **Gabard-Durnam**, L.J., Flannery, J., Telzer, E., Humphreys, K.L., Louie, J., Tottenham, N. (2016) Discrimination of amygdala response predicts future separation anxiety in youth with early deprivation. *Journal of Child Psychology and Psychiatry* 57: 1135-1144.

2015

12. **Gabard-Durnam**, L., Tierney, A., Vogel-Farley, V., Tager-Flusberg, H., Nelson, C. (2015) Alpha asymmetry in infants at risk for autism spectrum disorders. *Journal of Autism and Developmental Disorders* 45: 473-480.

11. Fareri, D.S., **Gabard-Durnam**, L., Goff, B., Flannery, J., Gee, D.G., Lumian, D.S., Caldera, C., Tottenham, N. (2015) Normative development of ventral striatal resting-state connectivity in humans. *NeuroImage* 118: 422-437.

10. Humphreys, K. L., Telzer, E. H., Flannery, J., Goff, B., **Gabard-Durnam**, L., Gee, D. G., Lee, S. S., Tottenham, N. (2015) Risky decision-making from childhood through adulthood: Contributions of learning and sensitivity to negative feedback. *Emotion* 16: 101-109.

9. Telzer, E.H., Flannery, J., Humphreys, K.L., Goff, B., **Gabard-Durman**, L., Gee, D.G., Tottenham, N. (2015) "The Cooties Effect": Amygdala reactivity to opposite- versus same-sex faces declines from childhood to adolescence. *Journal of Cognitive Neuroscience* 27: 1685-1696.

8. Humphreys, K. L., Lee, S. S., Telzer, E. H., **Gabard-Durnam**, L.J., Goff, B., Flannery, J., Tottenham, N. (2015) Exploration-exploitation strategy is dependent on early experience. *Developmental Psychobiology* 57: 313-321.

2014

7. **Gabard-Durnam**, L., Flannery, J., Goff, B., Gee, D., Telzer, E., Humphreys, K., Hare, T., Tottenham, N. (2014) The development of human amygdala-cortical functional connectivity at rest from 4 to 23 years: a cross-sectional study. *NeuroImage* 95: 193-207.

6. Gee, D.G.*, **Gabard-Durnam**, L.*****, Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C., Tottenham, N. (2014) Maternal buffering of human amygdala-prefrontal circuitry during childhood. *Psychological Science* 25: 2067-2078.

2013

5. Gee, D.G., **Gabard-Durnam**, L., Flannery, J., Goff, B., Humphreys, K.L., Telzer, E.H., Hare, T.A., Bookheimer, S.Y., Tottenham, N. (2013) Early Developmental Emergence of Human Amygdala-PFC Connectivity after Maternal Deprivation. *Proceedings of the National Academy of Sciences,* 110: 15638–15643.

4. Telzer, E., Flannery, J., Shapiro, M., Humphreys, K., Goff, B., **Gabard-Durnam**, L., Gee, D., Tottenham, N. (2013) Early experience shapes amygdala sensitivity to race: an international adoption design. *Journal of Neuroscience* 33: 13484-13488.

3. Tottenham, N., Phuong, J., Flannery, J., **Gabard-Durnam**, L., Goff, B. (2013) A negativity bias for ambiguous facial expression valence during childhood: Converging evidence from behavior and facial corrugator muscle responses. *Emotion* 13: 92-103.

2012

2. Tierney, A.L., **Gabard-Durnam**, L., Vogel-Farley, V., Tager-Flusberg, H., Nelson, C.A. (2012) Developmental Trajectories of resting EEG power: an endophenotype of autism spectrum disorder. *PLOS one* 7: e39127.

1. Goff, B., Gee, D., Telzer, E., Humphreys, K., **Gabard-Durnam**, L., Flannery, J., Tottenham, N. (2012) Reduced nucleus accumbens reactivity and depression following early-life stress. *Neuroscience* 249: 129-138.

SUBMITTED MANUSCRIPTS

Gabard-Durnam, L.J., Hensch, T.K., & Tottenham, N. Music from a childhood sensitive period regulates emotion in adulthood. (under review) Preprint available: https://doi.org/10.1101/412007

Mariscal, M.G.*, Levin, A.R.*, **Gabard-Durnam** L.J., Xie, W., Tager-Flusberg, H., Nelson, C.A. Developmental changes in EEG phase amplitude coupling and phase preference over the first three years after birth (in revision).

Gee, D., Hanson, C., Caglar, L.R., Fareri, D.S., **Gabard-Durnam**, L.J., Mills-Finnerty, C., Goff, B., Caldera, C.J., Lumian, D.S., Flannery, J., Hanson, S.J., Tottenham, N. (under review) Experimental evidence for a developmental switch in human amygdala-prefrontal cortex communication.

MANUSCRIPTS IN PREPARATION

Monachino, A., Peck, F., Levin, A., **Gabard-Durnam**, L. HAPPE+ER: event-related (ER) methods and functionality for the Harvard Automated Processing Pipeline for EEG. Invited full submission to special issue.

Peck, F., **Gabard-Durnam**, L.J.*, Wilkinson, C.*, Bosl, W., Tager-Flusberg, H., Nelson, C.A. Prediction of autism spectrum disorder diagnosis using nonlinear measures of language-related EEG at 6 and 12 months of age.

Gabard-Durnam, L.J., Wilkinson, C., Tager-Flusberg, H., Nelson, C.A. Delayed language sensitive period opening in Autism Spectrum Disorder: evidence from a translational sensitive period measure.

Jones, E.C., Levin, A.R., **Gabard-Durnam** L.J., Tager-Flusberg, H., Nelson, C.A. The role of neural response variability and trial by trial amplitude in generating ERP component amplitude.

OPEN-SOURCE SOFTWARE PACKAGES

The Harvard Automated Processing Pipeline for Electroencephalography (HAPPE)
Gabard-Durnam, L.J., Mendez Leal, A.S., Wilkinson, C.L., Levin, A.R.
GitHub Repository: https://github.com/lcnhappe/happe.

The Batch Electroencephalography Automated Processing Platform (BEAPP)
Levin, A.R., Mendez Leal, A.S., **Gabard-Durnam**, L.J., O'Leary, H.
GitHub Repository: https://github.com/lcnbeapp/beapp.

OPEN-SOURCE DATA

*authors contributed equally

Gabard-Durnam, L.J.*, O'Muircheartaigh, J.*, Dirks, H., Dean III, D.C., Tottenham, N., Deoni, S. (2018) Data accompanying: Human amygdala functional network development: a cross-sectional study from 3 months to 5 years of age. Mendeley.

Levin, A.R., **Gabard-Durnam**, L.J., Mendez Leal, A.S., O'Leary, H.M., Wilkinson, C.L., Tager-Flusberg, H., Nelson, C.A. (2017) Infant Sibling Project: Sample Files. DOI: 10.5281/zenodo.998965.

INVITED TALKS

2020 **University of Chicago**, Department of Psychology, Chicago, IL (January)
"Critical periods in socioemotional development"

2020 **University of Oregon**, Department of Psychology, Eugene, OR (January)
"Critical periods in socioemotional development"

2019 **Northeastern University**, Department of Psychology, Boston, MA (December)
"Developmental critical periods in brain and cognitive health"

2019 **Pomona College**, Pomona, CA (November)
"Critical periods in socioemotional development"

2019 **Bill & Melinda Gates Foundation**, Seattle, WA (May)
"Predicting outcomes in infants at high risk for autism using EEG"

2019 **Yale University**, Department of Clinical Psychology, Clinical Affective Neuroscience and Development Lab, New Haven, CN (April)
"Quantifying Sensitive Period Dynamics in the Human Brain"

2018 **Massachusetts Institute of Technology** Simons Center for the Social Brain (September)
"Translational biomarkers in autism: evidence from EEG during the first 12 months"

2018 **Bill & Melinda Gates Foundation**, Seattle, WA (July)
"Longitudinal EEG power predicts diagnostic and language outcomes in infants at high risk for autism"

2018 **Harvard University**, Department of Psychology, Affective Neuroscience and Development Lab, Cambridge, MA (April)
"Quantifying Sensitive Period Dynamics in the Human Brain"

2017 **Boston University**, Center for Autism Research Excellence, Boston, MA (March)
"Autism Spectrum Disorder: A critical periods approach"

2016 **University of California, Los Angeles**, Department of Developmental Psychology, Los Angeles, CA (April)
"Experience-dependent development of prefrontal-amygdala circuitry and function"

2016 **Dartmouth College**, Department of Psychological and Brain Sciences, Hanover, NH (March)
"Experience-dependent development of prefrontal-amygdala circuitry and function"

2016 **Weill Cornell Medical College**, Sackler Institute for Developmental Psychobiology, New York, NY (February)
Gabard-Durnam, L.J., & Weber, J.
"Correcting for multiple comparisons in fMRI: methodological updates"

2015 **Weill Cornell Medical College**, Sackler Institute for Developmental Psychobiology, New York, NY (November)
"Converging evidence for a human medial prefrontal cortex sensitive period in childhood"

2015 **Columbia University**, Emeritus Professors In Columbia Annual Meeting, New York, NY (November)
"Reliving your childhood: how childhood experiences shape adult brains and behavior."

CONFERENCE SYMPOSIA

2019 Wiley Early Investigator Symposium
International Society for Developmental Psychobiology, Chicago, IL (October)
Gabard-Durnam L.J., Hensch, T.K., Tager-Flusberg, H., Nelson, C.A. “Translational biomarker of delayed sensitive period onset in Autism Spectrum Disorder.”

2019 Perinatal Preconference to the International Society for Developmental Psychobiology, Chicago, IL
Invited Workshop Speaker (October 2019)
The HAPPE software for contemporary electrophysiology analysis: method and practice.

2019 Eastern Psychological Association, New York, NY
Invited Symposium.
Gabard-Durnam L.J., Hensch, T.K., Tager-Flusberg, H., Nelson, C.A. “Translating measures of sensitive period onset to inform disordered development.”

2019 Society for Research in Child Development, Baltimore, MD
Gabard-Durnam, L.J., Fareri, D.S., Goff, B., Flannery, J., Gee, D.G., Caldera, C., Telzer, E., Humphreys, K.L., Shapiro, M., Tottenham, N. “Parental deprivation induced alterations in amygdala-cortical functional connectivity across human development as risk and resilience factors for internalizing symptomatology.”

2018 Society for Neuroscience, San Diego, CA
Gabard-Durnam L.J., Tager-Flusberg, H., Nelson, C.A. “An EEG biomarker quantifying sensitive period onset in Autism Spectrum Disorder.”

2017 CIFAR Autism Workshop, Cambridge, MA
Session Chair, Neuroimaging approaches
“Revisiting core concepts in Autism with new tools”

2016 Society for Neuroscience, San Diego, CA
Gabard-Durnam, L.J., Fareri, D.S., Goff, B., Flannery, J., Gee, D.G., Caldera, C., Telzer, E., Humphreys, K.L., Shapiro, M., Tottenham, N. “Parental deprivation induced alterations in amygdala-cortical functional connectivity across human development as risk and resilience factors for concurrent and long-term internalizing symptomatology.”

2015 Brain Imaging Center Symposium, Icahn School of Medicine, Mt. Sinai, New York, NY
Gabard-Durnam, L.J.*, Gee, D.G.*, Goff, B., Flannery, J., Telzer, E., Humphreys, K., Lumian, D., Fareri, D.S., Caldera, C., Tottenham, N. “Stimulus-elicited connectivity influences future resting-state connectivity in development.”

2015 NY Social & Affective Neuroscience Gathering, New York, NY
Gabard-Durnam, L.J., & N. Tottenham. “Childhood as a sensitive period for human medial prefrontal cortex learning.”

2015 Society for Neuroscience, Chicago, Il
Gabard-Durnam, L.J., & N. Tottenham. “Childhood as a sensitive period for human medial prefrontal cortex learning.”

2015 Society for Research in Child Development, Philadelphia, PA
Gabard-Durnam, L.J., Gee, D.G., Goff, B., Flannery, J., Telzer, E., Humphreys, K., Lumian, D., Fareri, D.S., Caldera, C., Tottenham, N. “Resting-state amygdala-cortical circuit development and associations with previous experiences.”

2014 Society for Neuroscience, Washington, D.C.
Gabard-Durnam, L.J., Gee, D.G., Goff, B., Flannery, J., Telzer, E., Humphreys, K., Lumian, D., Fareri, D.S., Caldera, C., Tottenham, N. "Hebbian-like mechanism for human amygdala-mPFC network development."

2013 Society for Neuroscience, San Diego, CA
Gabard-Durnam, L.J., Flannery, J., Goff, B., Gee, D., Telzer, E., Humphreys, K., Tottenham, N. "Development of resting-state amygdala-cortical connectivity."

SELECTED CONFERENCE PRESENTATIONS

*authors contributed equally; *denotes student mentee*

Gabard-Durnam L.J., Hensch, T.K., Tager-Flusberg, H., Nelson, C.A. (2019) An EEG biomarker of language sensitive period disruption in Autism Spectrum Disorder. Poster presented at Frontiers in Autism Research Meeting, Massachusetts Institute of Technology, Cambridge, MA.

Gabard-Durnam, L.J., & N. Tottenham (2017) A childhood sensitive period for medial prefrontal cortex regulatory signal learning. Poster presented at Society for Research in Child Development Annual Meeting, Austin, TX.

Gabard-Durnam, L.J., & N. Tottenham (2016) Childhood as a sensitive period for human medial prefrontal cortex learning. Poster presented at early experience and sensitive periods in development workshop, Erice, Sicily.

Gabard-Durnam, L.J., & N. Tottenham (2016) Childhood as a sensitive period for human medial prefrontal cortex learning. Poster presented at Social and Affective Neuroscience Society Annual Meeting, New York, NY.

Kumar, A., *Choy, T.*, **Gabard-Durnam**, L.J., Goff, B., Tottenham, N. (2015) Parental mediation of internalizing and externalizing problems for youth following early life stress. Poster presented at Stanford Undergraduate Psychology Conference, Stanford, CA.

Kumar, A., *Choy, T.*, **Gabard-Durnam**, L.J., Goff, B., Tottenham, N. (2015) Parental mediation of internalizing and externalizing problems for youth following early life stress. Poster presented at UCLA Science Poster Day, Los Angeles, CA.

Gabard-Durnam, L.J., Tottenham, N., Deoni, S., O'Muircheartaigh, J. Typical development of amygdala functional connectivity from 3 months to 4 years. (2015) Poster presented at Organization for Human Brain Mapping, Honolulu, HI.

VanTieghem, M.*, **Gabard-Durnam**, L.*, Flannery, J., Goff, B., Gee D.G., Humphreys, K., Telzer, E., Caldera, C., Hare, T., and Tottenham, N. (2015) Effect of early adversity on emotional appraisals: Implications for amygdala-prefrontal circuit development. Poster presented at Society for Neuroscience, Chicago, IL.

VanTieghem, M.*, **Gabard-Durnam**, L.*, Flannery, J., Goff, B., Gee D.G., Humphreys, K., Telzer, E., Caldera, C., Hare, T., and Tottenham, N. (2015) Effect of early adversity on emotional appraisals: Implications for amygdala-prefrontal circuit development. Poster presented at Association for Psychological Science, Boston, MA.

VanTieghem, M.*, **Gabard-Durnam**, L.*, Flannery, J., Goff, B., Gee D.G., Humphreys, K., Telzer, E., Caldera, C., Hare, T., and Tottenham, N. (2015) Effect of early adversity on emotional appraisals: Implications for amygdala-prefrontal circuit development. Poster presented at Social and Affective Neuroscience Society Annual Meeting, Boston, MA.

Gee*, D.G., **Gabard-Durnam***, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C.J., Tottenham, N. (2015) Maternal buffering of human amygdala-prefrontal circuitry during childhood but not adolescence. Oral presentation at Social and Affective Neuroscience Society Annual Meeting, Boston, MA.

Gabard-Durnam, L.*, Gee, D.G.*, Goff, B., Flannery, J., Telzer, E., Humphreys, K., Lumian, D., Fareri, D.S., Caldera, C., Tottenham, N. (2014) A Hebbian-like mechanism for human amygdala-mPFC functional network development. Poster presented at New York Academy of Sciences Fifth Annual Aspen Brain Forum: Shaping the Developing Brain, New York, NY.

Gee, D.G.*, **Gabard-Durnam**, L.*, Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C., Tottenham, N. (2014) Maternal buffering of human amygdala-prefrontal circuitry during childhood. Poster presented at Society for Neuroscience, Washington, D.C.

VanTieghem, M.*, **Gabard-Durnam**, L.*, Flannery, J., Goff, B., Gee, D., Telzer, E., Humphreys, K., Telzer, E., Caldera, C., Hare, T., Tottenham, N. (2014) Early life stress-induced bias towards positivity: Implications for amygdala-prefrontal circuit development. Poster presented at New York Academy of Sciences Fifth Annual Aspen Brain Forum: Shaping the Developing Brain, New York, NY.

Gabard-Durnam, L., Flannery, J., Goff, B., Gee, D., Telzer, E., Humphreys, K., Tottenham, N. (2013) Development of resting-state amygdala-cortical connectivity. Poster presented at Flux Conference, Pittsburgh, PA.

Gabard-Durnam, L., Flannery, J., Goff, B., Gee, D., Telzer, E., Humphreys, K., Tottenham, N. (2013) Development of amygdala-cortical connectivity at rest. Poster presented at Cognitive Neuroscience Society, San Francisco, CA.

Gabard-Durnam, L., Flannery, J., Goff, B., Gee, D., Telzer, E., Humphreys, K., Tottenham, N. (2012) Development of human amygdala-cortical functional connectivity. Maryland Neuroimaging Summer Institute, College Park, MD.

Gabard-Durnam, L., Tierney, A., Tager-Flusberg, H., Nelson, C. (2010) Patterns of hemisphere asymmetry in EEG activity in infants at high risk for autism. Poster presented at The International Meeting for Autism Research, Philadelphia, PA.

TEACHING EXPERIENCE

2018 - 2019 **Statistics for Neuroscientists summer seminar**
Role: Co-instructor
Division of Developmental Medicine, Boston Children's Hospital

2017 – 2018 **Advanced Topics in Electrophysiology Analysis**
Role: Lead Instructor
Division of Developmental Medicine, Boston Children's Hospital

2015 **Developmental Psychology**
Role: Teaching Assistant (Professor Nim Tottenham)
Columbia University
Student evaluation, median review: 6 (6 maximum)

2014 – 2015 **Processing fMRI data workshop series**
Role: Co-instructor
Columbia University

2014 **The Developing Brain**
Role: Teaching Assistant (Professor Frances Champagne)
Columbia University
student evaluation, median review: 1 (1 maximum)

2014 **Advanced Psychological Statistics: Linear Regression**
Graduate course for psychology Ph.D. students
Role: Teaching Assistant and Lab Practical Leader (Professor Jennifer Krull)
University of California, Los Angeles
student evaluation, median review: 9 (9 maximum)

2013 **Brain and Behavior Development**
Role: Teaching Assistant (Professor Adriana Galvan)
University of California, Los Angeles
student evaluation, median review: 9 (9 maximum)

2012 – 2013 **UCLA Psychology Statistics Peer Mentor**

INVITED LECTURES

2018 **Translational Neuroscience**
Harvard College, Department of Psychology, Cambridge, MA

2016 **Developmental Affective Neuroscience**
Dartmouth College, Department of Psychological and Brain Sciences, Hanover, NH

2016 **Electromyography Measurement and Theory for Psychologists**
(graduate student seminar and lab session)
Columbia University, Department of Psychology, New York, NY

2013 **Sleep, Stress and the Adolescent Brain**
University of California, Los Angeles, Department of Psychology, Los Angeles, CA

MENTORING

* supervised mentee's undergraduate honors paper/thesis project

*Fleming Peck (Princeton University) winner of the Brinster '43 Neuroscience Thesis Prize 2020
Naomi Miller (Dartmouth University)
Lucy Moreman (Harvard University)
Riley McKechnie (Harvard University)
*MaryTheresa Ochi (Harvard University)
*Noemi Urquiza (Harvard University)
Alice Tao (Harvard University)
Adriana Mendez Leal (Harvard University)
Marina Mainescu (Columbia University)
Alyssa Swearington (Columbia University)
*Marie-Claire Matsuo (University of California, Los Angeles)
*Agnijita Kumar (University of California, Los Angeles)
*Heidi Tan (University of California, Los Angeles)
*Tricia Choy (University of California, Los Angeles)

Alby Thomas (University of California, Los Angeles)

SERVICE

Ad Hoc Reviewer: *JAMA Psychiatry* (with advisor), *Translational Psychiatry, Social Cognitive & Affective Neuroscience, NeuroImage, Developmental Science, Developmental Cognitive Neuroscience, NeuroReport, PLOS ONE, International Journal of Developmental Neuroscience, Biological Psychiatry, Development and Psychopathology, Behavioral and Brain Functions, NeuroImage:Clinical, Human Brain Mapping, Journal of Neurodevelopmental Disorders, Psychophysiology, Frontiers in Integrative Neuroscience, Child Development, Scientific Reports*

2017 – 2019 **Harvard MEDscience speaker** high school STEM program speaker series

2016, 2019 **Harvard-Cambridge Scholarship Selection Committee Member**

2014 – 2015 **Columbia University STEM mentor**, panelist promoting under-represented minority participation in STEM majors

2014 – 2015 **Columbia University Girls Science Day**, project leader for STEM outreach program for girls in elementary and middle schools

2012 – 2013 **UCLA professional development graduate speaker**, panelist for the Psychology Department graduate development events

Professional Associations: Society for Research on Child Development, Association for Psychological Science, Society for Neuroscience, New York Academy of Sciences, Social and Affective Neuroscience Society, Organization for Human Brain Mapping, Cognitive Neuroscience Society, Eastern Psychological Association, International Society for Developmental Psychobiology