

VITA**Nim Tottenham, Ph.D.**nlt7@columbia.edu<http://tottenhamlab.psych.columbia.edu>Columbia University, Department of Psychology - 369 Schermerhorn Hall
1190 Amsterdam Ave MC 5501, New York, NY 10027**EMPLOYMENT**

- 2018-present Professor, Columbia University, Department of Psychology
- 2018-present Affiliate Member, Zuckerman Mind, Brain, Behavior Institute
- 2016-present Associate Professor, Adjunct in the Child Study Center, Yale School of Medicine
- 2014-present Faculty, Columbia University Sackler Institute for Developmental Psychobiology
- 2014-2018 Associate Professor, Columbia University, Department of Psychology
- 2013-2014 Associate Professor, UCLA, Department of Psychology
Areas: Developmental and Behavioral Neuroscience
- 2010-2014 Faculty, UCLA IDP Neuroscience Program
- 2010-2014 Faculty, UCLA Neuroimaging training program (NITP)
- 2009-2014 Faculty, UCLA Brain Research Institute
- 2009-2014 Faculty, UCLA Tarjan Center, Intellectual and Developmental Disabilities Research Center
- 2009-2014 Adjunct Assistant Professor of Psychology in Psychiatry, Weill Cornell Medical College, Sackler Institute for Developmental Psychobiology
- 2008-2014 Faculty, UCLA Center for Culture, Brain and Development
- 2008-2013 Assistant Professor, UCLA, Department of Psychology
Areas: Developmental and Behavioral Neuroscience
- 2006-2008 Assistant Professor of Psychology in Psychiatry, Weill Cornell Medical College

EDUCATION

- 2006 Postdoctoral Fellow of Psychology in Psychiatry, Weill Cornell Medical College, New York, NY, Mentor: BJ Casey, Ph.D.
- 2005 Ph.D., Child Psychology & Neuroscience Minor, University of Minnesota, (UMN mentors: Megan Gunnar, Ph.D., Charles Nelson, Ph.D.) (Sackler Institute mentor): BJ Casey, Ph.D.
Thesis title: *The Development of Face Perception and Facial Expression Processing: Childhood to Young Adulthood*
- 1996 B.A., Psychology, Barnard College of Columbia University, New York, NY

RESEARCH AREA

Neurobiology of Human Emotional Development
Effects of Early-Life Adversity on Brain and Behavioral Development.

AWARDS & HONORS

- 2020 National Academy of Sciences, *Troland Award*
- 2020 *Paul D. MacLean Award for Outstanding Neuroscience Research in Psychosomatic Medicine*, American Psychosomatic Society
- 2018 Fellow of the Association for Psychological Science
- 2017 Irene Jakob Memorial Lecture Award, U of Pittsburgh
- 2017- Child Mind Institute's Scientific Research Council (SRC) Member
- 2017- Member, Dana Alliance for Brain Initiatives (DABI)
- 2015 American Psychological Association (APA) Distinguished Scientific Award for Early Career Contribution to Psychology
- 2013 Distinguished Teaching Award – UCLA Psychology
- 2013 "CEHD 23" Rising Alumni Award, U of Minnesota,

College of Education & Human Development
 2012 Young Scholar, La Fondation des Treilles
 2012 UCLA Alpha Epsilon Delta Faculty Award
 2011 NIMH "BRAINS" Award Recipient
 2011 Young Scholar, Bronfenbrenner Conference on the Neuroscience of
 Risky Decision Making Conference, Cornell University
 2010 Developmental Science Early Career Researcher Prize
 2010 University of Minnesota, Institute of Child Development "Featured Alumni"
 2007 New York Academy of Sciences "Meet the Young Investigators"
 2003 U Minnesota Doctoral Dissertation Special Grant

RESEARCH SUPPORT

CURRENT

NIDA R34DA050287

(PI: Thomason)

Project Title: 4:4 Investigation of opioid exposure and neurodevelopment (iOPEN)

Role: co-I

09/30/2019 – 03/31/2021

NIMH 2R01MH074374

(PI: Dozier/Tottenham)

Intervening Early with Neglected Children: Key Behavioral and Neurobiological Outcomes in Adolescence

Role: co-PI

08/01/2019-05/31/2024

NSF

(PI: Lee/Tottenham/Sajda)

Developing dyadic fMRI methodology to quantify and model human brain-to-brain interaction

Role: co-PI

10/1/19-9/30/22

NIA R01 AG058683-01A1

(PI: Widom)

Child Maltreatment and Risk for Mild Cognitive Impairment and Alzheimer's Disease

Role: co-I

01/01/2019 – 12/31/2023

NIMH 2R01MH091864

(PI: Tottenham/Milham)

Predicting Heterogeneous Neurodevelopmental Outcomes in School-aged Children with Early Caregiving Adversities

Role: PI

07/01/2017-06/30/2022

Sackler Innovation Grant

(PI: Fifer/Tottenham)

Corticolimbic Circuit Development in Children exposed Prenatally to SSRIs

Role: co-PI

11/1/2017-10/31/2019

National Institute of Mental Health (1R01MH111640)

Functional Brain Networks Mediating Individual Differences in Valence Bias

(PI: Neta)

Role: Co-Investigator
04/01/2017-03/31/2021

National Institute of Mental Health (1R01MH111682)
Impact of Trauma Exposure on Critical Periods in Brain Development
(PI: Jovanovic)
Role: Co-Investigator
9/23/2016-9/22/2021

National Institute of Mental Health (1R15 MH113076-01A1)
Impaired future-oriented cognition and adolescent suicide risk
(PI: Cha)
Role: Consultant
03/01/2018-02/28/2021

COMPLETED

Seed Funds from NIA U24AG047867 Reversibility Network
(PI: Hensch/Fuligni/Tottenham)
Early Life Stress and Adolescent Sleep
Role: co-PI
08/01/2017-07/31/2018

Columbia University's Center for Population Research
(PI: Tottenham/Champagne)
Biological Plasticity and Childhood Academic Resilience following Early-life Adversity
Role: co-PI
07/01/2017-06/30/2019

Presidential Scholars in Society and Neuroscience Faculty Seed Grants for Interdisciplinary
Projects in Society and Neuroscience
(PIs: Goldman, Tottenham, Myers, Young)
*Role of Music on Electrocortical and Autonomic Functions in Boys and Girls with Autism
Spectrum Disorder*
Role: co-I
07/01/2017-06/31/2019

National Institute of Mental Health (K08 MH103443)
*Neural, Inflammatory, and Genomic Mechanisms Underlying Risk for Depression in
Adolescence*
(PI: Slavich)
Role: Consultant
4/1/2015 – 3/31/2019

National Institute of Mental Health (R01-MH103291)
Child Maltreatment and Neural Systems Underlying Emotion Regulation
(PI: McLaughlin)
Role: Consultant
6/2014-5/2019

Mindset Scholars Network Foundation
(PI: Cimpian/Tottenham)
*A Neurobehavioral Investigation of The Relationship Between Early Adverse Experiences and
Learning Mindsets*
Role: co-PI

1/1/2017-12/31/2018

National Institute of Mental Health (R01MH091864)
 Biobehavioral Research Awards for Innovative New Scientists (BRAINS)
 (PI: Tottenham)
Longitudinal Examination of Human Amygdala-vmPFC Development
 Role: PI
 July 2010-June 2015

Dana Foundation
 (PI: Tottenham)
Epigenetic Restructuring of Human DNA following Early- Life Stress
 Role: PI
 September 2012-December 2016

National Science Foundation
The Neurodevelopment of Social Buffering and Fear Learning: Integration and Crosstalk
 [Workshop Grant]
 (PI: Gunnar)
 Role: Co-Investigator
 11/2014-10/2017

Provost's Grants Program for Junior Faculty who Contribute to the Diversity Goals of the University
 (PI: Tottenham)
Critical Periods for Intergenerational Fear Transmission in Humans
 Role: PI
 01/01/2015-10/31/2016

Biomedical Research Seed Grants of the University of Nebraska
Functional brain networks mediating a negativity bias in children
 (PI: Neta)
 Role: Co-Investigator
 01/13/2015 - 01/12/2016

NYSPI MRI Center Pilot Funds
 (PI: Tottenham)
Hippocampal memory consolidation across human development: Multivoxel correlation pattern persistence during post-encoding rest
 Role: PI
 7/16/2015-7/15/2016

Frontiers of Innovation - Harvard Center for the Developing Child
 (PI: Tottenham)
"Using Safety Signals To Reduce Anxiety Following Early-Life Stress"
 Role: PI
 4/2014-3/2015

NIMH SBIR (R43 HD072727-01)
A Platform For Stimulus Presentation and Data Collection on Mobile Devices
 (PI: Tagliaferri, Zevin, Tottenham)
 Role: co-PI
 2/2013-1/2014

Seed funds UCLA CCN Imaging Center

A Pilot Study on Early Adversity-Induced Acceleration of a Human Sensitive Period for Emotion Regulation
 (PI: Tottenham)
 Role: PI

NSF Division of Behavioral and Cognitive Sciences
Validation of the Child Affective Facial Expressions Set (CAFE)
 (PI: Lobue, Vanessa)
 Role: Consultant
 06/2012-05/2015

Seed Funds NIMH Early Experience, Stress, & Neurodevelopment Center (PI: Megan Gunnar)
A Pilot Study on Early Adversity-Induced Acceleration of a Human Sensitive Period for Emotion Regulation
 (PI: Tottenham)
 Role: PI
 January 2013-December 2013

UCLA Faculty Diversity & Development
Faculty Career Development Award
 Role: PI
 2012-2013

UCLA Senate Travel Grant
 2010, 2011, 2012

Prevention Intervention for Drug Use and Related Behavior with Incarcerated Youth
 (PI: Leonard)
 Role: Consultant
 2009-2014

UCLA Faculty Diversity & Development
Faculty Career Development Award
 Role: PI
 2011-2012

Foundation for Psychocultural Research – Center for Culture, Brain, and Development Award
 Role: PI
 Jan 2010 – Dec 2010

UCLA Faculty Diversity & Development
Faculty Career Development Award
 Role: PI
 2009-2010

Autism Speaks/National Alliance for Autism Research
The Role of Visual Experience in Facial Expression Processing in Children with ASD.
 (PI: Tottenham)
 Role: PI
 2006-2008

FUNDING AS A TRAINEE

National Institute of Health - Research Education Grant (T32)
 Weill Cornell Medical College, Department of Psychiatry
 2002-2004

University of Minnesota
Doctoral Dissertation Special Grant
2002-2003

Scholarship to Cold Spring Harbor Laboratory, provided by the John Merck Fund
2001

National Institute of Health - Research Education Grant (T32)
University of Minnesota
2000-2002

Graduate School Fellowship, University of Minnesota
1998-2000

ADVISEE FUNDING

2019-2021, Columbia Bridge to PhD
(PI: Syntia Hadis) Role: Mentor

2019-2022, National Science Foundation Graduate Research Fellowship
(PI: Paul Bloom) Role: Mentor

2018-2021, National Institute for Mental Health, F31
Project Title: Neural and behavioral mechanisms of persistence to setbacks in children
exposed to early caregiving adversities
(PI: Michelle VanTieghem) Role: Mentor

2018-2021, National Science Foundation Graduate Research Fellowship
(PI: Chelsea Harmon) Role: Mentor

2018-2019, APA's Elizabeth Munsterberg Koppitz Fellowship
(PI: Michelle VanTieghem) Role: Mentor

2017-2022, NIMH K99/R00
(PI: Bridget Callaghan, Ph.D.) Role: Mentor

2017-2018, Columbia Bridge to PhD
(PI: Dilia Barboza) Role: Mentor

2016-2021, Gates Foundation
(PI: Chelsea Harmon) Role: Mentor

2017-2018 Sackler Parent Infant Project Postdoctoral Fellowship
(PI: Bridget Callaghan) Role: Mentor

2016-2017, American Australian Association - Sir Keith Murdoch Fellowship
(PI: Bridget Callaghan) Role: Mentor

2016-2018, NARSAD Young Investigator Grant
(PI: Bridget Callaghan) Role: Mentor

2014-2018, National Health and Medical Research Council (NHMRC) Early Career Fellowship
(PI: Bridget Callaghan) Role: Mentor

2014-2017, National Science Foundation Graduate Research Fellowship
(PI: Michelle VanTieghem) Role: Mentor

2013-2016, National Science Foundation Graduate Research Fellowship
Development of resting-state functional connectivity between the amygdala and PFC
 (PI: Laurel Gabard-Durnam) Role: Mentor

2014-2017 Ruth L. Kirschstein National Research Service Award, F32HD081960
The Development and Regulation of Moral Emotions.
 (PI: Chelsea Helion) Role: Co-Sponsor

2015-2016 UCLA Dissertation Fellowship
 (PI: Bonnie Goff) Role: Mentor

2012-2013, UCLA Graduate Research Mentorship Fellowship
 (PI: Laurel Gabard-Durnam) Role: Mentor

2011-2012 UCLA Chancellor's Prize
 (PI: Laurel Gabard-Durnam) Role: Mentor

PUBLICATIONS (students and trainees are underlined; last authorship indicates seniority):

1. Opendak, M., Theisen, E., Blomkvist, A., Hollis, K., Lind, T., Sarro, E., Lundstrom, L., **Tottenham, N.**, Dozier, M., Wilson, D., & Sullivan, R.M. (in press). Adverse caregiving in infancy blunts neural processing of the mother. *Nature Communications*.
2. van Rooij SJH, Smith RD, Stenson AF, Ely TD, Yang X, **Tottenham N**, Stevens JS, Jovanovic T. (in press). Increased activation of the fear neurocircuitry in children exposed to violence. *Depression and Anxiety*.
3. Bos, D. J., Dreyfuss, M., **Tottenham, N.**, Hare, T., Galván, A., Casey, B. J., Jones, R. M. (2019). Distinct and similar patterns of emotional development in adolescents and young adults. *Developmental Psychobiology*.
4. **Tottenham, N.** (in press). Early Adversity and the Neotenus Human Brain. *Biological Psychiatry*.
5. **Tottenham, N.**, Shapiro, M., Caldera, C., Flannery, J., & Sullivan, R.M. (2019). Parental presence switches avoidance to attraction learning in children. *Nature Human Behaviour*, 3(10), 1070-1077.
6. Alba, L., Flannery, J., Shapiro, M., & **Tottenham, N.** (2019). Working Memory Moderates the Association Between Early Institutional Care and Separation Anxiety Symptoms in Late Childhood and Adolescence. *Development and Psychopathology*, 31(3), 989-997.
7. Callaghan, B., Gee, D.G., Gabard-Durnam, L., & **Tottenham, N.** (in press) Mind and Gut: associations between mood and gastrointestinal distress in children exposed to adversity. *Development and Psychopathology*.
8. Callaghan, B., Meyer, H., Opendak, M., VanTieghem, M., Harmon, C., Li, A., Lee, F., Sullivan, R., **Tottenham, N.** (in press). The developmental ecology of fear neurobiology across development. *Annual Review of Clinical Psychology*.
9. Odriozola, P., Dajani, D.R., Burrows, C.A., Gabard-Durnam, L.J., **Tottenham, N.**, Gee, D.G., Uddin, L.Q. (in press). Adolescence as a key developmental period for amygdala functional connectivity and social impairment in autism. *Developmental Cognitive Neuroscience*.

10. Humphreys, K. L., Gabard-Durnam, L. J., Goff, B., Telzer, E. H., Flannery, J., Gee, D.G., Park, V., Lee, S. S., & Tottenham, N. (2019). Friendship and Social Functioning following Early Parental Deprivation: The Role of ADHD Symptoms. *Development and Psychopathology*, *31*(4), 1477-1487.
11. Callaghan, B., 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. (2019). Decreased amygdala reactivity to parent cues protects against anxiety following early adversity: an examination across 3-years. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, *15*, 345-369.
12. Conley, M. I., Dellarco, D. V., Rubien-Thomas, E., Cohen, A. O., Cervera, A., **Tottenham, N.**, & Casey, B. J. (2019). The racially diverse affective expression (RADIATE) face stimulus set. *Psychiatry Research*, *270*, 1059-1067. PMC6446554
13. McLaughlin, K., DeCross, S., Jovanovic, T., & **Tottenham, N.** (2019). Mechanisms Linking Childhood Adversity with Psychopathology: Learning as an Intervention Target. *Behaviour Research and Therapy*, *118*, 101-109. PMC6536359
14. Kopala-Sibley, D.C.*, Cyr, M.*, Finsaas, M., Orawe, J, Huang, A., **Tottenham, N.**, & Klein, D.N. (2018). Early childhood parenting predicts late childhood brain functional connectivity during emotion perception and reward. *Child Development*. PMC6374219
15. Gabard-Durnam, LJ*, 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. PMC6252269
16. **Tottenham, N.** (2018). The Fundamental Role of Early Environments to Developing a Healthy Brain. *Policy Insights from the Behavioral and Brain Sciences*, *5* (1), 98-103.
17. VanTieghem, M. & Tottenham, N. (2018). Neurobiological programming of early life stress: Functional development of amygdala-prefrontal circuitry and vulnerability for stress-related psychopathology. *Current Topics in Behavioral Neurosciences*, *38*:117-136 PMID: PMC5940575
18. Cheever, T., Taylor, A., Finkelstein, R., Edwards, E., Thomas, L., Bradt, J., Holochwost, S.J., Johnson, J.K., Limb, C., Patel, A.D., **Tottenham, N.**, Iyengar, S., Rutter, D., Fleming, R., Collins, F.S. (2018). NIH/Kennedy Center Workshop on Music and the Brain – A Perfect Harmony. *Neuron*, *97*(6):1214-1218.
19. Achterberg, M., Bakermans-Kranenburg, M.J., van IJzendoorn, M.H., van der Meulen, M., **Tottenham, N.**, Crone, E.A. (2018). Distinctive heritability patterns of subcortical-prefrontal cortex resting state connectivity in childhood: A twin study. *Neuroimage*, *175*, 138-149.
20. Humphreys, K., Tottenham, N., & Lee, S.S. (2018). Risky Decision-making in Children with and without ADHD: A Prospective Study. *Child Neuropsychology*, *24* (2), 261-276.
21. Merz, E., **Tottenham, N.**, & Noble, K. (2018). Socioeconomic Status, Amygdala Volume, and Internalizing Symptoms in Children and Adolescents. *Journal of Clinical Child and Adolescent Psychology*. *47*, 312-323.
22. Flannery, J., Gabard-Durnam, L., Shapiro, M., Goff, B., Caldera, C., Louie, J., Gee, D.G., Telzer, E., Humphreys, K., Lumian, D., & Tottenham, N. (2017). Diurnal Cortisol after Early Institutional Care - Age Matters. *Developmental Cognitive Neuroscience*, *25*, 160-166.

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23. 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. PMID: PMC5630141
24. **Tottenham, N.** (2017). The Brain's Emotional Development. *Cerebrum*, 17, 55-60.
25. Fareri, D.S., Gabard-Durnam, L., 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. PMID: PMC5957481
26. Bennett, A.J., Hopkins, W. D., Feldman, R. Gazzola, V. Giedd, J., Lamb, M. E., Scheele, D., Sheridan, M., Suomi, S. J., Tomoda, A., & **Tottenham, N.** (2017). Neural Foundations of Variability in Attachment. In, *The Cultural Nature of Attachment: Contextualizing Relationships and Development*, Heidi Keller and Kim A. Bard, eds. 2017. Strüngmann Forum Reports, vol. 22, series ed. J. Lupp. Cambridge, MA: MIT Press. ISBN 978-0-262-03690-0.
****2018 Ursula Gielen Global Psychology Book Award**
27. **Tottenham, N.** & Gabard-Durnam, L.J. (2017). The Developing Amygdala: A Student of the World and a Teacher of the Cortex. *Current Opinion in Psychology*, 17, 55-60. PMID: PMC5657533
28. VanTieghem, M., Gabard-Durnam, L., Goff, B., Flannery, J., Humphreys, K.L., Telzer, E., Caldera, C., Louie, J.Y., 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. PMID: PMC5937229
29. van Rooij, S.J., Cross, D., Stevens, J.S., Vance, L.A., Kim, Y.J., Bradley, B., **Tottenham, N.**, & Jovanovich, T. (2017). Maternal buffering of fear-potentiated startle in children and adolescents with trauma exposure. *Social Neuroscience*, 12, 22-31. PMID: PMC5253076
30. Green, S., Goff, B., Gee, D. G., Gabard-Durnam, L., 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(10), 1135-44. PMID: PMC5030125
31. Silvers, J.A., Lumian, D., Gabard-Durnam, L., Gee, D.G., Goff, B., Fareri, D., Caldera, C., Flannery, J., Telzer, E.H., 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(24), 6420-6430. PMID: PMC5015779
32. **Tottenham, N.** & Galvan, A. (2016). Stress and the Adolescent Brain: Amygdala-Prefrontal Cortex Circuitry and Ventral Striatum as Developmental Targets. *Neuroscience and Biobehavioral Reviews*, 70, 217-227. PMID: PMC5074883
33. Fareri, D. & Tottenham, N. (2016). Effects of early life stress on amygdala and striatal development. *Developmental Cognitive Neuroscience*, 19, 233-47. PMID: PMC4912892
34. 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. *authors contributed

- equally. *Journal of Neuroscience*, 36(17), 4771-4784. PMC4846673
35. Callaghan, B. & **Tottenham, N.** (2016). The Stress Acceleration Hypothesis: Effects of early-life adversity on emotion circuits and behavior. *Current Opinion in Behavioral Sciences*, 7, 76–81. PMC5890821
 36. Humphreys, K. L., Telzer, E. H., Flannery, J., Goff, B., Gabard-Durnam, L., Gee, D. G., Lee, S. S., & Tottenham, N. (2016). Risky decision-making from childhood through adulthood: Contributions of learning and punishment sensitivity. *Emotion*, 16(1), 101-109. PMC4718882
 37. Callaghan, B. & **Tottenham, N.** (2016). The Neuro-Environmental Loop of Plasticity: A cross-species analysis of parental effects on emotion circuitry development following typical and adverse caregiving. *Neuropsychopharmacology Reviews*, 41(1), 163-76. PMC4677125
 38. Humphreys, K. L., Galán, C. A., Tottenham, N., & Lee, S. S. (2016). Impaired social decision-making mediates the association between ADHD and social problems. *Journal of Abnormal Child Psychology*, 44(5), 1023-32.
 39. Galvan, A. & **Tottenham, N.** (2016). Adolescent Brain Development. *Developmental Psychopathology, 3d Edition*. Ed: Dante Cicchetti.
 40. Gunnar, M.R., Hostinar, C., Sanchez, M.M., **Tottenham, N.**, Sullivan, R.M. (2015). Parental Buffering of Fear and Stress Neurobiology: Reviewing Parallels across Rodent, Monkey, and Human Models. *Social Neuroscience*, 10(5), 474-8. PMC5198892
 41. Ebesutani, C. K., **Tottenham, N.**, & Chorpita, B. (2015). The Revised Child Anxiety and Depression Scale - Parent Version: Extended applicability and validity for use with younger youth and children with histories of early-life caregiver neglect. *Journal of Psychopathology and Behavioral Assessment*, 37 (4), 705–718.
 42. Fareri DS, Gabard-Durnam L, Goff B, Flannery J, Gee DG, Lumian DS, Caldera C, Tottenham N. (2015) Normative development of ventral striatal resting state connectivity in humans. *Neuroimage*. 118, 422-437. PMC5553607
 43. Telzer, E.H., Flannery, J., Humphreys, K.L., Goff, B., Gabard-Durnam, 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(9):1685-96. PMC5723398
 44. **Tottenham, N.** (2015). Social Scaffolding of Human Amygdala-mPFC Circuit Development. *Social Neuroscience*, 10(5), 489-499. PMC4890612
 45. 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(3), 313-321.
 46. Green, S., Hernandez, L., Tottenham, N., Krasileva, K., Bookheimer, S.Y., Dapretto, M. (2015). The Neurobiology of Sensory Over-Responsivity in Youth with and without Autism Spectrum Disorders. *JAMA Psychiatry*, 72(8), 778-786.
 47. Goff, B. & **Tottenham, N.** (2015). Early-life adversity and adolescent depression: Mechanisms involving the ventral striatum. *CNS Spectrums*, 20(4), 337-345.
 48. Johnson, A.J. & **Tottenham, N.** (2015). Regulatory Skill as a Resilience Factor for Adults with a History of Foster Care: A Pilot Study. *Developmental Psychobiology*, 57(1), 1-16.

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49. 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(11), 2067-2078. PMC4377225
50. Gabard-Durnam, L., Flannery, J., Goff, B., Gee, D.G., Humphreys, K.L., Telzer, E.H., Hare, T.A., & **Tottenham, N.** (2014). The development of human amygdala functional connectivity at rest from 4 to 23 Years: a cross-sectional study. *Neuroimage*, 95, 193-207. PMC4305511
51. Callaghan, B.L., Sullivan, R.M., Howell, B., **Tottenham, N.** (2014). The International Society for Developmental Psychobiology Sackler Symposium: Early adversity and the maturation of emotion circuits - a cross-species analysis. *Developmental Psychobiology*, 56(8), 1635-1650. PMC4831705
52. Dreyfuss, M., Caudle, K., Drysdale, A.T., Johnston, N.E., Cohen, A.O., Somerville, L.H., Galván, A., **Tottenham, N.**, Hare, T.A., Casey, B.J. (2014). Teens Impulsively React Rather than Retreat from Threat. *Developmental Neuroscience*, 36(3-4), 220-227. PMC4125471
53. **Tottenham, N.**, Hertzog, M.E., Gillespie-Lynch, K., Gilhooly, T., Millner, A., & Casey, B.J. (2014). Elevated amygdala response to faces and gaze aversion in autism spectrum disorder. *Social Cognitive, & Affective Neuroscience*, 9(1), 106-117. PMC3871735
54. **Tottenham, N.** (2013). The Importance of Early Environments for Neuro-Affective Development. *Current Topics in Behavioral Neurosciences*, 16, 109-129. PMC4021037

Papers below this line were published prior to coming to Columbia University

55. 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(39):15638-15643. PMC3785723
56. Malter-Cohen, M., Jing, D., Yang, R.R., Lee*, F.S., **Tottenham*, N.**, & Casey*, B.J. (2013). Early life stress has persistent effects on amygdala function and development in mice and humans. *Proceedings of the National Academy of Sciences*, 110(45), 18274-8. (*equal contributions) PMC3831447
57. Olsavsky, A., Telzer, E.H., Shapiro, M., Humphreys, K.L., Flannery, J., Goff, B., & **Tottenham, N.** (2013). Indiscriminate amygdala response to mothers and strangers following early maternal deprivation. *Biological Psychiatry*, 74(11):853-860. PMC3818506
58. Green, S., Rudie, J.D., Colich, N., Wood, J.J., Shirinyan, D., Hernandez, L., **Tottenham, N.**, Dapretto, M., & Bookheimer, S.Y. (2013). Over-Reactive Brain Responses to Sensory Stimuli in Youth With Autism Spectrum Disorders. *Journal of the American Academy of Child and Adolescent Psychiatry*, 52 (11), 1158-1172.
59. Telzer, E.H., Flannery, J., Shapiro, M., Humphreys, K., Goff, B., Gabard-Durnam, L., Gee, D.G., & **Tottenham, N.** (2013). Early experience shapes amygdala sensitivity to race: An international adoption design. *Journal of Neuroscience*, 33(33) 13484-8. PMC3742934
60. Gee, D.G., Humphreys, K.L., Flannery, J., Goff, B., Telzer, E.H., Shapiro, M., Hare, T.A., Bookheimer, S.Y., **Tottenham, N.** (2013). A Developmental Shift from Positive to Negative Connectivity in Human Amygdala-Prefrontal Circuitry. *Journal of Neuroscience*, 33(10)4584-

4593. PMC3670947

61. Goff, B. Gee, D.G., Telzer, E.H., Humphreys, K.L., Gabard-Durnam, L., Flannery, J., Tottenham, N. (2013). Reduced nucleus accumbens reactivity and adolescent depression following early-life stress. *Neuroscience*, 249, 129-138. PMC3646076
62. Malter-Cohen, M. Tottenham, N., & Casey, BJ (2013). Translational studies of stress on brain and behavior: Implications for adolescent mental health and illness?. *Neuroscience*, 249, 53-62. PMC3696429
63. **Tottenham, N.** (2013). Early social deprivation and the neurobiology of interpreting facial expressions. *Navigating the social world: What infants, children, and other species can teach us*. Eds.: Banaji, M. & Gelman, S. New York: Oxford University Press.
64. Ganzel, B.L., Kim, P., Gilmore, H., **Tottenham, N.**, Temple, E. (2013). Stress and the healthy developing brain: Evidence for stress-related neural plasticity in later childhood. *Development and Psychopathology*, 25, 879-889.
65. **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. PMC4006094
66. Li, L. & Tottenham, N. (2013). Exposure to the self-face facilitates identification of dynamic facial expressions: influences on individual differences. *Emotion*, 13, 196-202. PMC4012536
67. Humphreys, K.L., Lee, S.S., Tottenham, N. (2013). Not all risk taking behavior is bad: Associative sensitivity predicts learning during risk taking among high sensation seekers. *Personality and Individual Differences*, 54, 708-715. PMC3735177
68. Telzer, E.H., Humphreys, K., Shapiro, M., & Tottenham, N. (2013). Amygdala sensitivity to race is not present in childhood but emerges over adolescence. *Journal of Cognitive Neuroscience*, 25(2), 234-244. PMC3628780
69. **Tottenham, N.** (2012). Risk and developmental heterogeneity in previously-institutionalized children, *Journal of Adolescent Health*, 51(2, Supplement), S29-S33. PMC3400928
70. **Tottenham, N.** (2012). Human amygdala development in the absence of species-expected caregiving. *Developmental Psychobiology*, 54(6):598-611. PMC3404246
71. **Tottenham, N.**, Shapiro, M., Telzer, E., & Humphreys, K. (2012). Amygdala response to mother. *Developmental Science*, 15(3), 307-19. PMC3522470
72. Li, L. & Tottenham, N. (2011). Seeing yourself helps you see others. *Emotion*, 11(5):1235-41. [PubMed - indexed for MEDLINE]
73. **Tottenham, N.**, Hare, T.A., & Casey, B.J. (2011). Behavioral assessment of emotion discrimination, emotion regulation and cognitive control, in childhood, adolescence, and adulthood. *Frontiers in Developmental Psychology*, 2, 1-9. PMC3110936
74. Casey, BJ Ruberry, E., Libby, V., Glatt, C.E., Hare, T.A., Soliman, F., Dehoux, S., Frielingsdorf, H., & **Tottenham, N.** (2011). Transitional and translational studies of Risk for Anxiety. *Depression & Anxiety*, 8(1):18-28. PMC3070413
75. **Tottenham, N.**, Hare, T.A., Millner, A., Gilhooly, T., Zevin, J.D. & Casey, BJ (2011). Elevated Amygdala Response to Faces Following Early Deprivation. *Developmental Science*, 13(1), 46-

61. PMC3050520
76. Amso, D., Fitzgerald, M., Davidow, J., Gilhooly, T., Tottenham, N. (2010). Visual exploration strategies and the development of infants' facial emotion discrimination. *Frontiers in Developmental Psychology*, 1, 1-8. PMC3153790
77. **Tottenham, N.** & Sheridan, M. (2010). A Review of adversity, the amygdala and the hippocampus: A Consideration of developmental timing. *Frontiers in Human Neuroscience*, 3, 1-18. PMC2813726
78. Soliman, F., Glatt C., Levita, L., Bath, K.G., Jones, R., Pattwell, S.S., **Tottenham, N.**, Amso, D., Somerville, L., Voss, H., Glover, G., Ballon, D., Lee, F.S., Casey, B.J. (2010). Genetic variant bdnf (val66met) polymorphism alters learning in mouse and human. *Science*, 327(5967):863-6. PMC2829261
79. **Tottenham, N.**, Hare, T., Quinn, B., McCarry, T., Nurse, M., Gilhooly, T., Millner, A., Galvan, A., Davidson, M., Eigsti, I.M., Thomas, K.M., Freed, P., Booma, E.S., Gunnar, M., Altemus, M., & Aronson, J., Casey, B.J. (2010) Prolonged institutional rearing is associated with atypically larger amygdala volume and difficulties in emotion regulation. *Developmental Science*, 13 (1), 46-61. PMC2817950
****Awarded Developmental Science EARLY CAREER RESEARCHER PRIZE for the best original scientific paper or report to appear in the journal *Developmental Science*.**
80. **Tottenham, N.**, Tanaka, J., Leon, A.C., McCarry, T., Nurse, M., Hare, T.A., Marcus, D.J., Westerlund, A., Casey, B.J., Nelson, C.A. (2009). The NimStim set of facial expressions: judgments from untrained research participants. *Psychiatry Research*, 168(3), 242-249. PMC3474329
**** Most cited article in this journal; Scopus**
81. **Tottenham, N.**, Hare, T.A., Casey, B.J. (2009). "A Developmental Perspective on Human Amygdala Function". Chapter in *The Human Amygdala*; Eds.: Whalen, P.J. & Phelps, E.A.
82. (*equal contributions, listed alphabetically) Casey*, BJ, Glatt*, C., **Tottenham*. N.**, Soliman, F., Bath, K., Amso, D., Altemus, M., Pattwell., S., Jones, R., Levita, L., Mezey, J., Clark, A., Gunnar, M., Thomas, K., Hempstead, B., McEwen, B., & Lee, F.S. (2009). BDNF as a model system for examining gene by environment interactions across development. *Neuroscience*, 164(1), 108-120. PMC2760671
83. Hare, T. A., **Tottenham, N.**, Galvan, A., Voss, H. U., Glover, G. H., & Casey, B. J. (2008). Biological substrates of emotional reactivity and regulation in adolescence during an emotional go-nogo task. *Biological Psychiatry*, 63(10), 927-934. PMC2664095
84. Durston, S., Davidson. M.C., Mulder, M.J., Spicer, J.A., Galvan, A., **Tottenham, N.** Scheres, A., Castellanos, F.X., van Engeland, H. & Casey, B.J. (2007). Neural and behavioral correlates of expectancy violations in Attention-Deficit Hyperactivity Disorder, *Journal of Child Psychology and Psychiatry*, 48 (9), 881 - 889.
85. Blau, V.C., Maurer, U., **Tottenham, N.**, & McCandliss, B.D. (2007). The face-specific N170 component is modulated by emotional facial expression. *Behavioral and Brain Functions*, 3:7. PMC1794418
86. **Tottenham, N.**, Leon, A.C., & Casey, B.J. (2006). The Face behind the mask: a developmental study. *Developmental Science*, 9 (3), 288-294.

87. Durston, S., Davidson, M.C., **Tottenham, N.**, Galvan, A., Spicer, J., Fossella, J.A., & Casey, B.J. (2006). A Shift from diffuse to focal cortical activity with development. *Developmental Science*, 9(1), 1-8.
88. Hare, T. A., **Tottenham, N.**, Davidson, M. C., Glover, G. H., & Casey, B. J. (2005). Contributions of amygdala and striatal activity in emotion regulation. *Biological Psychiatry*, 57(6), 624-632.
89. Casey, B.J., **Tottenham, N.**, Liston, C., & Durston, S. (2005). Imaging the developing brain: What have we learned? *Trends in Cognitive Science*, 9(3), 104-110.
90. Liston C., Watts R., **Tottenham N.**, Davidson M.C., Niogi S., Ulug A.M., Casey B.J. (2005). Frontostriatal microstructure modulates efficient recruitment of cognitive control. *Cerebral Cortex*, 16(4), 553-560.
91. Noble, K.G., **Tottenham, N.**, & Casey, B.J. (2005). Neuroscience perspectives on disparities in school readiness. *Future of Children Special Issue - The Ethnic and Racial test score gap; School readiness and the first five years of life*, 15 (1), 71-89.
92. Casey, B.J., Davidson, M.C., Hara, Y., Thomas, K.M., Martinez, A., Galvan, A., Halperin, J.A., Rodríguez-Aranda, C.E., & **Tottenham, N.** (2004). Early development of subcortical regions involved in non-cued attention switching. *Developmental Science*, 7 (5), 534-542.
93. Davidson, MC, Horvitz, JC, **Tottenham, N.**, Fossella, JA, Watts, R., Ulug, AM, Casey, BJ. (2004). Differential cingulate and caudate activation following unexpected nonrewarding stimuli. *Neuroimage*, 23, 3, 1039-1045.
94. Durston S, **Tottenham N**, Thomas KM, Davidson MC, Eigsti IM, Yang Y, Ulug AM, Casey BJ. (2003). Differential patterns of striatal activation in young children with and without ADHD. *Biological Psychiatry*, 53(10):871-8.
95. Durston, S., Davidson, M.C., Thomas, K.M., Worden, M.S., **Tottenham, N.**, Martinez,A., Watts, R., Ulug , A.M., & Casey, B.J. (2003). Parametric manipulation of conflict and response competition using rapid mixed-trial event-related fMRI. *Neuroimage*, 20(4), 2135-2141.
96. (*equal contribution, listed alphabetically) Davis*, E., Parker*, S., **Tottenham***, N., & Gunnar, M. (2003) "Neuroendocrinology: Emotion and Cognition." Chapter to M. DeHaan & M.H. Johnson (Eds.), *The Cognitive Neuroscience of Development*. Sussex, England: Psychology Press, Ltd.
97. Casey, B.J., **Tottenham, N.**, Fossella, J. (2002). Clinical, imaging, lesion and genetic approaches toward a model of cognitive control, *Developmental Psychobiology* 40(3), 237-54.
98. Rotheram-Borus, M.J., Leonard, N.R., Lightfoot, M., Franzke, L.H., **Tottenham, N.**, & Lee, S.J. (2002). Picking up the pieces : caregivers of adolescents bereaved by parental AIDS, *Clinical Child Psychology and Psychiatry*, 7 (1), 115-124.
99. Monk, C. S., Zhuang, J., Curtis, W. J., Ofenloch, I., **Tottenham, N.**, Nelson, C. A., & Hu, X. (2002). Human hippocampal activation in the delayed matching- and nonmatching-to-sample memory tasks: an event-related functional MRI approach, *Behavioral Neuroscience*, 116 (4), 716-21.
100. Gwadz, M., De Vogli, R., Rotheram-Borus, M. J., Diaz, M., Cisek, T., James, N., **Tottenham, N.** (1999). Behavioral practices regarding combination therapies for HIV/AIDS.

(Manuscripts under review or in prep)

1. Stevens, J.S., van Rooij, S.J.H., Stenson, A., Ely, T.D., Powers, A., Clifford, A., Kim, Y.J., Hinrichs, R., **Tottenham, N.**, & Jovanovic, T. (In review). Abnormal amygdala responses to threat in violence-exposed children depend on trauma setting and relationship with primary caregiver. *Proceedings of the National Academy of Sciences*.
- 2.
3. Pinelli, F., Rossignac-Milon, M., **Tottenham, N.**, & Higgins, E. T. (under review). Self-Regulatory Systems in Childhood and Adolescence.
4. Korom, M., Callaghan, B., VanTieghem, M. & Tottenham, N. (under review). The Effects of Social Scaffolding on Children's Encoding of Museum Experiences.
5. Linick, J., Leonard, N.L., Cleland, C.M., **Tottenham, N.**, Massey, Z., & Gwadz, M.V. (under revision). Emotion Recognition, Emotion Regulation, and Callous-Unemotional Traits in Incarcerated Male Youth.
6. Humphreys, K. L., McKenzie, M., Tottenham, N. & Lee, S.S. (submitted). Validating Primary and Secondary Subgroups of Psychopathy in Children.
7. Gee, D.G., Hanson, C., Caglar, L.R., Fareri, D.S., Gabard-Durnam, L.G., Mills-Finnerty, C., Goff, B., Caldera, C.J., Lumian, D.S., Flannery, J., Hanson, S.J., Tottenham, N. (submitted). Experimental Evidence for a Developmental Switch in Human Amygdala-Prefrontal Cortex Communication
8. Goff, B., Gabard-Durnam, L., Gee, D.G., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C., Glatt, C., & Tottenham, N. (in prep). Nucleus Accumbens Reactivity Mediates Relationship Between Human Chromosomal Modification and Future Early Adversity-Induced Depression.
9. Zhong, D. & Tottenham, N. (in prep). Parental Interpersonal Competence Moderates Behavioral Problems in Previously-Institutionalized Youth: A longitudinal Study.
10. **Tottenham, N.**, Weissman, M., Wang, Z., Warner, V., Gameroff, M., Semanek, D.P., Hao, X., Gingrich, J., Peterson, B.S., Posner, J.m Talati, A., & (under review). Depression Risk is Associated with Weakened Synchrony between the Amygdala and Experienced Emotion.
11. Callaghan, B., Choy, T., O'Sullivan, K., Routhier, E., Koutruba, N., Goode, V., Klein, T., & Tottenham, N. (under review). Emotional eavesdropping in Toddlerhood Results in Discriminative and Enduring Learning.
12. Gabard-Durnam, L. G., Hensch, T.K., & Tottenham, N. (under review) Childhood is a conserved sensitive period for medial PFC encoding.
13. Fields, A., Harmon, C., Lee, Z., Louie, J.Y., & Tottenham, N. (Submitted). Parent's anxiety links household stress and young children's behavioral dysregulation and cortisol.
14. Umbach, R. & Tottenham, N. (under revision). Callous-Unemotional Traits and Reduced Default Mode Network Connectivity within a Community Sample of Children
15. Alexandre Franco, Lei Ai, PhD; R. Cameron Craddock, PhD; Nim Tottenham, PhD; Jonathan P Dyke, PhD; Stan J Colcombe, PhD; Michael P Milham, MD, PhD (under review). Is it Time to Switch Your T1W Sequence? Assessing the Impact of Prospective Motion Correction on the Reliability and Quality of Structural Imaging.

OTHER PUBLICATIONS

1. **Tottenham, N.** (2016). Award for Distinguished Scientific Early Career Contribution to Psychology. *American Psychologist*.
2. **Tottenham, N.** *Instructor's Manual to Brain, Mind, and Behavior, 3rd Edition*, Bloom, F. and Nelson, C.A. New York: Worth Publishers, (2000).
3. **Tottenham, N.** & Davis E. (2000) *Manual on Cognitive Development*. Teaching Module for the Erikson Institute, Chicago.

SPECIAL INVITED NATIONAL/INTERNATIONAL TALKS & INVITED WORKSHOPS

2020 Universität Dresden: Bühler-Kolloquium (Dresden, Germany)

2019 Keynote Speaker, Pessio Boyden System Psychomotor Conference (Prague, Czech R)

2019 Natl Acad of Sciences, Engineering, and Medicine: "Brain Health Throughout the Lifespan"

2019 NIH/NIMH Development & Environment in RDoC Workshop Planning Committee

2019 Plenary Speaker, Society for Biological Psychiatry (Chicago, IL)

2019 Keynote Speaker, International Conference on Pessio Boyden System Psychomotor (Prague)

2019 Keynote Speaker, NEURON: Quinnipiac University's School of Medicine (North Haven, CT)

2019 Minnesota Symposium (Minneapolis, MN)

2018 Neurobiology of Stress Conference, Banff (Canada)

2018 Synapsy: The Neurobiology of Mental Health (Geneva, Switzerland)

2018 Discovery Talks Lecturer, British Columbia Children's Hospital Research Institute (Canada)

2017 Swiss Center for Affective Sciences (Geneva, Switzerland)

2017 NIDA/NIAAA "Cutting Edge Seminar" Neuroscience Workshop (Bethesda)

2017 NICHD 50th Anniversary of the Division of Intramural Population Health Research (Bethesda)

2017 NIH/Kennedy Center Music and Health Initiative Winter Workshop (Bethesda)

2017 Society for Research in Child Development, Keynote Speaker (Austin, Tx)

2017 American Academy of Child and Adolescent Psychiatry, Research Symposium

2017 Harvard's Center on the Developing Child: Community of Practice on Play (Boston, MA)

2017 Robert Wood Johnson Foundation, Cognitive Adaptations to Childhood Stress Workshop

2017 World Science Festival (New York, NY)

2017 Gordon Conference on the Amygdala (North Easton, MA)

2017 Irene Jakab Memorial Lecture, U of Pittsburgh (Pittsburgh, PA)

2016-present NIH "Reversibility" Network (New York, NY)

2016 Dyadic Developmental Psychotherapy Institute Annual Meeting, Keynote Speaker, (Stony Point, NY)

2016 UN Conference on Youth Mental Wellbeing (New York, NY)

2016 American Academy of Child and Adolescent Psychiatry, Research Symposium (New York, NY)

2016 Cell Press LabLinks "Emotion and the Brain" (New York, NY)

2016 Robert Wood Johnson Foundation (RWJF) Research network on Cognitive Adaptations to Childhood Stress (Salt Lake City, UT)

2016 Ernst Strüngmann Forum (Frankfurt, Germany)

2016 Erice Centre, Early Experience And Sensitive Periods In Development (Italy)

2016 International Symposium on Infant Studies (New Orleans, LA)

2016 International Developmental Psychobiology Winter Meeting (Turks & Caicos)

2016 Bridging the Gap: Clinical application of attachment theory (Salt Lake City, UT)

2015 American College of Neuropsychopharmacology, Plenary Speaker (Hollywood, FL)

2015 Sackler Memorial Lecture, Weill Cornell Medical College (New York, NY)

2015 Swedish Society of Medicine, Neurobiology of Parenting (Stockholm, Sweden)

2015 Rockefeller University, Reversibility Workshop (New York, NY)

2015 Flux Congress, Invited Speaker (Leiden, the Netherlands)

2015 Child Mind Institute, On the Shoulders of Giants Symposium, Featured Speaker (New York, NY)
 2015 Developmental Affective Neuroscience Symposium, University of Pittsburgh (Pittsburgh, PA)
 2015 Advances in Memory Systems, New York University (New York, NY)
 2015 Mortimer D. Sackler Summer Institute Invitee (New York, NY)
 2014 Webinar: Frontiers of Innovation Initiative at Harvard's Center on the Developing Child
 2014 Harvard's Center on the Developing Child Research Consortium on Toxic Stress and Health (Boston, MA)
 2014 Max Planck Institute (Leipzig, Germany)
 2014 Jacobs Foundation (Zurich, Switzerland)
 2014 Division 6 of the American Psychological Association, Behavioral Neuroscience and Comparative Psychology
 2013 Sackler Institute Symposium on Recent Advances in Infant Research Memorial for Dr. Daniel Stern (New York, NY)
 2014 Mortimer D. Sackler Summer Institute (New York, NY)
 2013 Cold Spring Harbor Laboratories – Banbury Center. The Adolescent Brain (Long Island, NY)
 2013 Sackler Institute Symposium on Recent Advances in Infant Research (New York, NY)
 2013 Mortimer D. Sackler Summer Institute Invitee (New York, NY)
 2012 La Fondation des Treilles "Translational Developmental Neuroscience" (France)
 2012 Annual Wisconsin Symposium on Emotion (Madison, WI)
 2011-2013 Early Experience, Stress & Neurobehavioral Development Center (PI: Megan Gunnar)
 2010 NIMH Special Meeting on Child Maltreatment Research (Bethesda, MD)
 2009 The Neuroscience of Emotion: From Reaction to Regulation, Tufts University (Boston, MA)
 2009 Mortimer D. Sackler, M.D. Summer Institute Invitee (New York, NY)

OTHER INVITED TALKS

2020 Keynote, International Neuropsychological Society Conference, Denver, CO
 2020 Keynote, George Washington Institute for Neuroscience, DC
 2020 Anxiety and Depression Association of America, San Antonio, TX
 2019 American Psychoanalytic Association, NY, NY
 2019 Keynote, Quinnipiac University's School of Medicine, North Haven, CT
 2018 International Society for Developmental Psychobiology, San Diego, CA
 2018 Longhorn Distinguished Speaker, UT Austin
 2018 *Association for Psychological Science (APS)* Annual Convention, San Francisco, CA
 2017 American Psychosomatic Society, Berkeley, CA
 2017 Hunter College's Center for Translational and Basic Research Symposium, NY, NY
 2016 New York Psychoanalytic Institute
 2016 American Museum of Natural History
 2016 Society for Personality and Social Psychology (SPSP) Emotion Preconference
 2016 UC Davis MIND Institute Distinguished Lecturer Series
 2015 American Museum of Natural History
 2015 Weill Cornell Medical College, Sackler Grant Rounds
 2015 Society for Research in Child Development, Philadelphia, PA.
 2015 Society for Biological Psychiatry, Toronto.
 2015 Society for Affective Science, San Francisco, CA.
 2014 American College of Neuropsychopharmacology, AZ
 2014 New York Academy of Sciences, New York City.
 2014 Association for Psychological Science, San Francisco, CA.
 2014 Society for Research in Adolescence, Austin, Tx.
 2014 American Psychological Association, Washington, DC. [*Division 06*]
 2014 Society for Affective Neuroscience, Denver, CO. *Anchor Speaker*
 2013 American Academy of Child & Adolescent Psychiatry.
 2013 Sackler Symposium, New York, NY.
 2013 American Academy of Child & Adolescent Psychiatry, Orlando, FL.

2013 Association for Psychological Science, Washington, DC.
 2013 Society for Research in Child Development, Seattle, WA.
 2013 Society for Research in Child Development, Seattle, WA.
 2013 Society for Biological Psychiatry, San Francisco, CA.
 2013 Anxiety and Depression Association of America, La Jolla, CA.
 2012 International Society for Developmental Psychobiology, New Orleans, LA, *Invited "Sackler Symposium" Address*
 2012 American College of Neuropsychopharmacology, Hollywood, FL
 2012 Society for Neuroscience, New Orleans, LA
 2012 American Academy of Child & Adolescent Psychiatry, San Francisco, CA
 2012 La Fondation des Treilles, Nice, France.
 2012 Anderson Center for Autism, Hyde Park, New York.
 2011 Imagination and Medicine III, Pacifica Graduate Institute, Santa Barbara, CA, *Invited Speaker.*
 2011 Cornell University's Biennial Urie Bronfenbrenner Conference: The Neuroscience of Risky Decision Making, Ithaca, NY.
 2011 Gordon Conference on Amygdala in Health and Disease, Waterville, ME.
 2011 Society for Neuroscience, Washington, DC
 2011 NIMH, 2010 BRAINS Awards Ceremony, Bethesda, MD.
 2011 Society for Biological Psychiatry, San Francisco, CA.
 2011 Anxiety Disorders Association of America. New Orleans, LA.
 2011 MIT/Harvard University/Boston University. Simmons Foundation,
 2010 International Society for Developmental Psychobiology, Manzanillo, MX.
 2010 Society for Biological Psychiatry, New Orleans, LA.
 2009 Society for Neuroscience, Chicago, IL.
 2009 UC Berkeley, *Conference on Neurocognitive Development*, Berkeley, CA.
 2009 John Merck Fund Summer Institute, Cornell University, Ithaca, NY.
 2008 Society for Psychophysiological Research, Austin, Tx.
 2008 Society for Research on Adolescence, Chicago, IL.
 2007 Society for Research in Child Development, Boston, MA.
 2006 International Society for Developmental Psychobiology, Cabos San Lucas, Mexico.
 2006 New York Academy of Sciences: Frontiers of Science Series, New York.
 2006 American Education Research Association, San Francisco, CA.
 2005 American Academy of Child & Adolescent Psychiatry, Toronto.
 2005 New York Academy of Sciences: Frontiers of Science Series, Imaging Discussion Group, NY.
 2005 Society for Research in Child Development, Atlanta, GA.
 2003 The John D. and Catherine T. MacArthur Foundation Research Network on Socioeconomic Status and Health, New York.

CONFERENCE/MEETING ORGANIZATION

<u>Co-Organizer:</u> <i>Minnesota Symposium</i>	2019
<u>Local Organizing Chair:</u> <i>Flux Congress</i> New York, NY	2019
<u>Trainee Representatives Committee Chair:</u> <i>Flux Congress</i>	2018-present
<u>Program Co-Chair:</u> <i>Society for Research in Child Development</i>	2017-2021
<u>Program Committee:</u> <i>Society for Research in Child Development</i>	2017-2023
<u>Symposium Organizer:</u> Cognitive Neuroscience Society	2018
<u>Scientific Program Director:</u> <i>Flux Congress</i>	2017

Portland, Oregon

Chair: NIH/NIA Reversibility Network
New York, NY

2017

Scientific Program Committee: Sackler Winter Meeting

2014-present

Symposium Organizer & Chair:
Society for Research in Child Development

2017

Scientific Program Committee: *Flux Congress*
St. Louis, MO.

2016-2018

NSF-funded Workshop: *The Neurodevelopment of Social Buffering
and Fear Learning: Integration and Crosstalk*

2015, 2016, 2017

Symposium Organizer & Co-Chair: International Society for
Developmental Psychobiology, Washington, D.C.
Symposium selected as special *Sackler Symposium*
Development of Limbic-Based Learning in Humans

2015

Symposium Chair: SRCD Symposium on Brain Development

2015

Symposium Organizer & Co-Chair: International Society for
Developmental Psychobiology, Washington, D.C.
Symposium selected as special *Sackler Symposium*

2014

Scientific Program Committee: Inaugural *Flux Congress*
Pittsburgh, PA.

2013

Funding Committee: Inaugural *Flux Congress*
Pittsburgh, PA.

2013

Symposium Organizer and Chair: *Biological Psychiatry*
Symposium: "The Neurobiology of Emotional
Learning in Development"

2011

Organizer & Chair : Society for Neuroscience
Minisymposium: Developmental Affective Neuroscience Symposium

2009

Organizer & Co-chair: Society for Research in Child Development
Preconference: Culture, Brain, & Development Pre-Conference

2009

Co-Director: John Merck Fund Summer Institute for
Developmental Disabilities

2005

INVITED COLLOQUIA/GRAND ROUNDS

Montefiore Medical Center, 2020; Stonybrook University, Department of Psychology, 2020; NYU Child Study Center Grand Rounds, 2020; Columbia Teachers College, 2019; McGill University (D. O. Hebb Lecture Series), 2019; SUNY Binghamton, 2019; Georgetown University, 2018; U of Maryland, 2018; UC Irvine, 2018; UT Austin, 2018; Mount Sinai, 2017; University of Minnesota, Child Development 2017; Mayo Clinic 2017; Queen's University 2017; Cambridge University, MRC-CBU 2017; NY Medical College, 2017; Columbia University Teachers College, Neuroscience & Education 2017; Yale University, Current Works 2017; University of Delaware, Psychology 2017; University of Pennsylvania, Psychology 2016; Washington University, Psychology 2016; Yale

Magnetic Resonance Research Center 2016; Nathan Klein Institute 2016; Emory University, Neuroscience 2016; University of North Carolina, Neuroscience 2016; Northeastern University, Psychology 2016; Columbia University, Psychiatry 2016; Northshore LIJ Hospital 2016; Center for Autism and the Developing Brain at New York-Presbyterian Hospital 2015; Yale University, Child Psychiatry 2015; NYU Psychology Department 2015; NYU Child Student Center 2015; NYU Applied Psychology Program 2015; Fordham University 2015; University of California, Berkeley 2015; Harvard University (Hensch Conte Center) 2015; Columbia Teachers College 2015; Yale University, Psychology 2015; Columbia University, Psychology 2014; CUNY Graduate Center 2014; Rutgers University 2014; University of Zurich 2014; USC Social Psychology Colloquium 2014; USC Children's Hospital Los Angeles 2014; UCLA Social Psychology Colloquium, 2013; California State University, Northridge, 2013; University of New Orleans, 2012; UC Irvine, 2012; California State University, Los Angeles, 2011; Johns Hopkins, 2011; UC Irvine 2010; Pacifica Graduate Institute, 2010; Azuza Pacifica, 2010; UCLA, 2009; Harbor-UCLA Medical Center, 2009; FPR-UCLA Center for Culture, Brain, and Development 2008; St. Vincent's Hospital, 2006; Cornell University, 2006; Pediatric Grand Rounds, Weill Cornell Medical School, 2006.

PRESS/PUBLIC INTEREST

1. Wall Street Journal (October 2019) <https://www.wsj.com/articles/parents-need-to-help-their-children-take-risks-11571932922>
2. On separating children from their parents at the US Border
 - a. Los Angeles Book Review Blog 07/15/2019 "Collateral Damage: The Known Traumas of Family Separation"
 - b. La Presse, 2019
 - c. Yahoo News. February 8, 2019, <https://news.yahoo.com/zero-tolerance-kids-might-never-get-parents-back-u-s-admits-174636409.html>
 - d. *NBC Nightly News*, June 29, 2018, <https://www.nbcnews.com/nightly-news/video/what-impact-could-family-separation-have-on-children-s-health-1267100739618>
 - e. *Los Angeles Times*, June 19, 2018, <http://www.latimes.com/science/la-sci-sn-separating-children-psychology-20180620-story.html>
 - f. *NBC News*, June 19, 2018, <https://www.nbcnews.com/storyline/immigration-border-crisis/border-separations-show-why-we-don-t-have-orphanages-any-n884906>
 - g. *PBS News Hour*, June 18, 2018, <https://www.pbs.org/newshour/health/how-the-toxic-stress-of-family-separation-can-harm-a-child>
 - h. *Washington Post*, June 15, 2018, https://wapo.st/2l9tIUe?tid=ss_mail&utm_term=.d91b1d72e4e8
3. On brain-gut associations:
 - a. <https://www.parents.com/news/gut-issues-in-childhood-may-predict-future-mental-health-problems-study-says/>
 - b. <https://psychcentral.com/news/2019/04/02/trauma-related-gut-changes-in-kids-tied-to-future-mental-health-issues/144242.html>
 - c. <https://news.columbia.edu/news/gastrointestinal-complaints-children-could-signal-future-mental-health-problems>
 - d. <https://www.yahoo.com/news/gut-issues-childhood-may-predict-165359881.html>
 - e. <https://indianexpress.com/article/lifestyle/health/stomach-issues-in-kids-may-signal-future-mental-health-problems-study-5654396/>
 - f. <https://www.edexlive.com/news/2019/mar/31/children-suffering-from-trauma-could-be-at-risk-of-stomach-issues-later-in-life-5649.html>
 - g. <https://lokkhabarnews.com/detail/stomach-issues-in-kids-may-signal-future-mental-health-problems-study>
 - h. <http://www.millenniumpost.in/features/stomach-issues-signal-future-mental-problems-346955>
 - i. <https://www.consumeraffairs.com/news/researchers-find-link-between-childrens-stomach-issues-and-mental-health-040119.html>

- j. https://www.business-standard.com/article/news-ians/trauma-in-children-may-up-stomach-disorders-later-119033100199_1.html?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+westbengal-twitter+%28Top+News%29
 - k. https://www.misskyra.com/lifestyle/stomach-issues-could-signal-future-mental-health-issues-study/articleshow/68669029.cms?utm_source=amp_slider&utm_medium=referral&utm_campaign=TOI
 - l. <https://pressfrom.info/ca/lifestyle/health/-128409-your-kid-s-intestinal-complaints-could-mean-mental-issues.html>
 - m. <http://hivemind.community/?p=11505>
 - n. <https://odishatv.in/health/trauma-in-children-may-up-stomach-disorders-later-361360>
 - o. <https://fit.thequint.com/mind-it/trauma-in-children-may-up-stomach-disorders-later-study>
 - p. <https://www.msn.com/en-us/health/health-news/your-kids-intestinal-complaints-could-mean-mental-issues/ar-BBVtewE?li=BBnbfcl&xid=17259%2C1500004%2C15700022%2C15700124%2C15700149%2C15700168%2C15700173%2C15700186%2C15700201>
 - q. <https://www.spring.org.uk/2019/03/poor-mental-health.php>
4. *Forbes*, February 20, 2017, <https://www.forbes.com/sites/quora/2017/02/20/why-do-people-have-different-tastes-in-music/#78dce5c65666>
 5. *Never Stop Learning*
https://www.youtube.com/watch?v=v9IDHbxF29k&list=PL4U2kBOIk_sZhk-sYe9EWkf6HSMen1mBA
 6. *The Smart Awesome Show – Smart People Doing Awesome Things*, October 2017
 7. *Cerebrum* Podcast, August 2017
 8. *Psychology Today*, October 2017, <https://www.psychologytoday.com/gb/blog/adopting-reason/201710/growing-too-fast-early-adversity-affects-fear-responses>
 9. FrameWorks Institute - further public understanding of scientific and social problems by translating scholarly research on adolescent development. October 2016
 10. *Wall Street Journal* "How Our Brains Respond to Race" January 6, 2016
http://www.wsj.com/articles/how-our-brains-respond-to-race-1452094579?mod=rss_Books
 11. *Dr. Radio*, September 27, 2015
 12. *Wall Street Journal* "How We Learn to Be Afraid of the Right Things" March 18, 2015
<http://www.wsj.com/articles/how-we-learn-to-be-afraid-of-the-right-things-1426687482>
 13. *Jonah Lehrer Blog* "Learning to be alone," October 2014
(<http://www.jonahlehrer.com/blog/2014/10/22/how-to-be-alone>)
 14. *National Public Radio*, July 2014, "The Value of Play"
 15. *National Public Radio*, February 2014 "Orphans' Lonely Beginnings Reveal How Parents Shape A Child's Brain" (<http://www.npr.org/blogs/health/2014/02/20/280237833/orphans-lonely-beginnings-reveal-how-parents-shape-a-childs-brain>)
 16. *Science News*, August 13, 2013
(http://www.sciencenews.org/view/generic/id/352381/description/Racial_homogeneity_in_early_childhood_may_affect_brain)
 17. *Medical Daily*, October 18, 2012
 18. *The Atlantic*, October 17, 2012
 19. *Pittsburgh Post Gazette*, March 29, 2012
 20. *Los Angeles Times*, May 30, 2011
 21. *Time Magazine*, Vol 177, No. 11, March 21, 2011
 22. NIMH Director's Blog, February 18, 2011
 23. ABC News
(<http://abclocal.go.com/wabc/story?section=news/health&id=6133399>) May 2008

NIMSTIM (STIMULUS SET SHARING): Creation and Management of the NimStim Set of Facial Expressions– approximately 1000 downloads/year for the past 9 years

GRANT REVIEWS

NIMH: Special Emphasis Panel	2016 - present
NSF Grant Review Panel: <i>Behavioral and Cognitive Sciences</i>	2015 - present
NSF College of Reviewers– grant review panel	2014 - present
Ad-hoc Grant Reviewer: NIMH	2013 - present
Ad-hoc Grant Reviewer: NSF	2013
Ad-hoc Grant Reviewer: Medical Research Council (UK)	2012
Grant Reviewer: U.S Department of Health and Human Services <i>Administration for Children and Families</i>	2011

OTHER PROFESSIONAL SERVICES

RDoC Development & Environment Planning Committee	2019
External Advisory Board of Conte Center (PI: Tallie Baram)	2019-present
Women in STEM panel, College of DuPage	2018
Board Member: Child Mind Institute	2017-present
Board Member: Flux Congress	2017-present
U of Minnesota NIMH T32 training grant in Developmental Psychopathology	2017-2021
Advisory Council for the Center on the Developing Adolescent	2017-present
Scientific Advisory Board: Leipzig Research Center for Early Child Development	2016-present
Host for visiting scholar, Michelle Achterberg, Ph.D. (Leiden)	2016
Host for visiting scholar, Lea Doherty, Ph.D. (U Virginia)	2016
S4SN Awards Committee	2015
ISDP Awards Committee	2015
Board Member: Society for Social Neuroscience	2014-present
Board Member: International Society for Developmental Psychobiology	2014-2016
<i>Wiley</i> Advisory Board	2014
Host for visiting scholar, Sarah Jessen, Ph.D. (Max Planck)	2014
Reviewer for SRCD Biennial Meeting	2010-present
Emotion Research Group	2013-present
Member: UCLA Brain Research Institute	2010-2014
Member: Intellectual and Developmental Disabilities Research Center (UCLA – Tarjan Center)	2009-2014
Member: UCLA Intellectual and Developmental Disabilities Research Center	2009-2014

EDITORIAL DUTIES

Editorial Board: <i>American Journal of Psychiatry</i>	2020-present
Ad hoc Editor, <i>PNAS</i>	2019
Guest Editor, <i>Developmental Cognitive Neuroscience</i>	2017-2018
Editorial Board: <i>Social Neuroscience</i>	2017-present
Review Editor: <i>Frontiers for Young Minds</i>	2017-present
Associate Editor: <i>Frontiers in Behavioral Neuroscience</i>	2014-
Guest Editor for Special Issue on Development in <i>Biology of Mood & Anxiety Disorders</i>	2013
Editorial Board: <i>Biology of Mood & Anxiety Disorders</i>	2010-2015
Review Editor: <i>Frontiers in Developmental Psychology</i>	2010-
Consulting Editor: <i>Emotion</i>	2010-2012

AD HOC JOURNAL REVIEWS American Journal of Psychology, Archives of General Psychiatry, Attention and Performance, Behavioral and Brain Functions, Behavioral and Brain Sciences,

Biological Psychiatry, Cerebral Cortex, Child Development, Development and Psychopathology, Developmental Psychology, Developmental Science, Emotion, Frontiers in Behavioral Neuroscience, Frontiers in Human Neuroscience, Human Brain Mapping, International Journal of Behavioral Development, JAMA Psychiatry, Journal of Child Psychology & Psychiatry, Journal of Cognitive Neuroscience, Journal of Experimental Child Psychology, Journal of Neuroscience, Learning & Memory, Neuropsychologia, Neuroscience, Proceedings of the National Academy of Sciences, Psychiatry Research, , Psychological Bulletin, Psychological Science, Psychoneuroendocrinology, Psychopharmacology, Social, Cognitive, Affective Neuroscience, Social Neuroscience. (Total=30+)

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Flux Congress	2014-present
Society for Social Neuroscience	2010-2016
Anxiety and Depression Association of America	2013-2015
American Psychological Society	2012-present
Cognitive Developmental Society	2007-2013
American Association for the Advancement of Science	2003-2008
Society for Neuroscience	1999-2015
Cognitive Neuroscience Society	1999-2012
International Society for Developmental Psychobiology	1999-present

UNIVERSITY SERVICE

at Columbia:

Masterplan for Natural Sciences (Leader for Neuroscience subcommittee) (2019)
 Columbia Psychology By-Laws Committee (2019-present)
 Admissions Committee, Bridge to PhD (2018-present)
 Schermerhorn Hall Space Committee (2018-present); Chair (2019-present)
 Provost Junior Faculty who Contribute to Diversity Goals Grants, Reviewer (2018-present)
 Neurobiology Graduate Program, Internal Advisory Board (2018-present)
 Mind, Brain, Behavior Institute: Human Cognitive Imaging Board (2017-present)
 Presidential Scholars in Society and Neuroscience (PSSN) Advisory Board (2017-present)
 Precision Medicine and Society Steering Committee (2017-present)
 Founder of the Columbia University Chapter of Psi Chi (2017-present)
 Co-Founder of Columbia University's Center for Trauma (2016-present)
 Psychology Department Colloquium Organizer (2016-present)
 Bridge Scholars Mentor/Faculty (2016-2018)
 Graduate Admissions Committee (2015-present)
 Faculty Search Committee (2015-present)
 Research Initiatives in Science & Engineering (RISE) grant reviewer (2015-present)
 Columbia Committee on Science Instruction (COSI) (2015-2016)
 Director of Undergraduate Studies, Psychology Department (2015-present)
 NSOP Science and Mathematics Panel (2015)
 CUMC T32 Research Fellows in Child Psychiatry (2015-present)

at UCLA:

UCLA Psych Dept Long-Term Facilities Planning Committee (2013 – present)
 UCLA Diversity Science Initiative (2012-present)
 UCLA Legislative Assembly Committee member (2012-present)
 FPR-CBD Fellowship Committee (2011-present)
 UCLA Merit Review Committee Alternate (2010-present)
 Committee on the Jeffrey Lecture in Cognitive Neuroscience (2009-present)
 UCLA Undergraduate studies committee (2009-present)
 UCLA Infant Development Program (2008-present)
 UCLA Applied Developmental Psychology Minor (2008-present)
 UCLA Developmental Area Admissions Committee (2008-present)

PUBLIC SERVICE

Public Outreach:

ThriveNYC, Trauma Smart Training (2020) - Keynote
 ThriveNYC, Trauma Smart, Documentary Discussant (2020)
 Dana Foundation 'Secret Science Club' outreach (2019)
 SRCD: "The Science of Childhood Trauma and Family Separation: A Discussion of Short- and Long-Term Effects" Webinar (2018)
 NYC Brain Bee Competition, City College of NY (2019)
 Adoption and Foster Family Coalition NY Annual Conference, Speaker (2019)
 Adoption/Foster Care Therapist Network (Board Member) (2017-present)
 Legal Aid Society 2017
 United Nations – IBREA presentation (2016)
 Hypothe-kids Summer Tours/Internships (2016-present)
 Provide science internships for high school students
 Bergen County Academies (2016-present)
 Herbert H. Lehman High School in the Bronx (2015-present)
 Chapin School (2015-present)
 Mt. Hebron High School's (2015-present)
 Science Festival at the School at Columbia (2015-present)
 Teen Science Tour for the World Science Festival (2015-present)
 UNICEF Mental Health and Psychosocial Support Strategy Development (2015)
 Neuroleadership: The Brain at School (2015)
 Presentations to the Morris Heights Health Center, Bronx (2015)
 Presentations to the Bronx Family Court (2014)
 Collaboration with Artists: Watermill Center for the Arts (2014, 2015)
 Families with Children adopted from China (2012, 2013)
 Presentations to the Los Angeles Children's Court (2009)

ADDITIONAL EDUCATION

Multilevel Modeling Course (Jennifer Krull) 2013

TEACHING**Graduate**

Social and Emotional Development
Developmental Affective Neuroscience Psychobiology
Developmental Neurobiology of Fear
Early Experiences & Sensitive Periods
 UCLA Psychiatry Residents: Developmental Affective Neuroscience

Undergraduate

Developmental Psychology
Methods in Developmental Psychology
Developmental Psychology Honors Seminar

MENTORING

POSTDOCS

Present

Charlotte Heleniak, Ph.D. (2018-present)
 Rebecca Umbach, Ph.D. (2018-present)
 Shula Green, Ph.D. (2016-present) NIMH K08 co-Mentor

Former

Bridget Callaghan, Ph.D. (2014-2019), current: Assistant Professor, UCLA *APS Rising Star

Jennifer Silvers, Ph.D. (2014-2016) current: Assistant Professor, UCLA *APS Rising Star

Dominic Fareri, Ph.D. (2013-2015) current: Assistant Professor, Adelphi University, *APS Rising Star

DOCTORAL STUDENTS

Present

Michelle VanTieghem, Columbia graduate student (2014-present)

Chelsea Harmon, Columbia graduate student (2016-present)

Paul Bloom, Columbia graduate student (2017-present)

Andrea Fields, Columbia graduate student (2017-present)

Anna Vannucci, Columbia graduate student (2019-present)

Former

Dylan Gee, Ph.D. UCLA graduate student [co-mentor with Ty Cannon] (2011-2015) current: Assistant Professor, Yale University, *APS Rising Star

Kate Humphreys, Ph.D. UCLA graduate student [co-mentor with Steve Lee] (2010-2015) current: Assistant Professor, Vanderbilt University, *APS Rising Star

Eva Telzer, Ph.D., UCLA graduate student [co-mentor with Andrew Fuligni & Adriana Galvan] (2008-2012) current: Assistant Professor, University of North Carolina

Bonnie Goff, UCLA graduate student (2011-2016) current: Lecturer, UCLA

Laurel Gabard-Durnam, Columbia graduate student (2011-2016) Current: Postdoc, Harvard University

Angela Johnson, UCLA *McNair Scholar* - undergraduate (2008-2012) current: PhD candidate UC Berkeley

Aviva Olsavsky, M.D., UCLA Psychiatry Resident (2010-2014): 2014 NIMH Outstanding Resident Award; AACAP Robinson-Cunningham Award is given for the best manuscript written by a child and adolescent psychiatrist during residency training current: Assistant Professor, University of Denver

Luke Li, PhD, UCLA graduate student (2008-2011) current: Google

Shula Green, Ph.D., UCLA graduate student [primary: Baker] (2013-present) current: Postdoc UCLA

Jennifer Louie, Ph.D., UCLA graduate student [primary: Lau] (2008-2013)

Mariel Kyger, Ph.D., UCLA graduate student [primary: Sandhofer] (2010-2013)

MASTERS STUDENTS

Gabriela Rodrigues, M.A. (2017-2019)

Laura Alba, M.A. (2015-2017), current: Doctoral Student, UC Davis

Amber Zhong, M.A. (2015-2017), Outstanding Achievement Award, current: Doctoral Student, U Minnesota

Marta Korom, M.A. (2015-2017), current: Doctoral Student, U Delaware

ADVISEE AWARDS

- 2019 ISDP Best Poster Award (Paul Bloom)
- 2018 ISDP Sandra G. Wiener Student Investigator Award (Michelle VanTieghem)
- 2018 Kucharski Young Investigator Award ISDP (Jennifer Silvers, Ph.D.)
- APA's 2018 Elizabeth Munsterberg Koppitz Fellowship (Michelle VanTieghem)
- Sir Keith Murdoch Fellowship from the American Australian Association 2016 (Bridget Callaghan)
- Columbia Psychology Department of Psychology 2015 Smith Award (Laurel Gabard-Durnam)
- International Society for Developmental Psychobiology Dissertation Award 2014 (Bridget Callaghan)

- UCLA 2014 Michael Goldstein Dissertation Award (Kate Humphreys)
- APA Division 12's recipient of the 2013 Distinguished Student Service in Clinical Psychology Award (Kate Humphreys)
- Charles E. Young Grad Student Award 2013 (Kate Humphreys)
- UCLA 2013 Mautner Award (Dylan Gee)
- APA 2012 Elizabeth Munsterberg Koppitz Child Psychology Graduate Student Fellowship (Dylan Gee)
- 2012 Society for a Science of Clinical Psychology Dissertation Award (Dylan Gee)
- 2012 APA Anne Anastasi Graduate Student Research Award (Dylan Gee)

THESIS COMMITTEES

Morgan Firestein (2019) (Columbia)
 Ellen Tedeschi (2019) (Columbia)
 Jocelyn Shu (2018) (Columbia)
 Rebecca Martin (2017) (Columbia)
 Bruce Dore (2016) (Columbia)
 Anahid Modrek (2016) (Columbia TC)
 Laurel Gabard-Durnam (2016) (Columbia)
 Bonnie Goff (2016) (UCLA)
 Jacob Sawyer (2016) (Columbia TC)
 Erica Diminich (2015) (Columbia TC)
 Rosemarie Perry (2015) (NYU)
 Miriam Den (2015) (U of Melbourne, Australia)
 Juliet Davidow (2014) (Columbia)
 Wei Li (2014) (UCLA)
 Patty Renno (2014) (UCLA)
 Emily Barkley-Levenson (2013) (UCLA)
 Colleen Carpinella (2013) (UCLA)
 Natalie Bencuya (2012) (UCLA)
 Joe Yi (Joey) Fung (2011) (UCLA)
 Dylan Gee (2013) [Co-Chair] (UCLA)
 Kathryn Humphreys (2014) [Co-Chair] (UCLA)
 Kristen Gillespie-Lynch (2012) (UCLA)
 Hojin Kim (2013) (UCLA)
 Mariel Kyger (2013) [Co-Chair] (UCLA)
 James Li (2012) (UCLA)
 Jennifer Louie (2013) [Co-Chair] (UCLA)
 Nicole Starace (2012) (UCLA)
 Robert Spunt (2012) (UCLA)

OTHER CONFERENCE PRESENTATIONS

(Collaboration with the MET Museum in NYC) Kalter, J. & Tottenham, N. (2017). Emotional Learning, Empathy, and the Role of Art: A Research Study. National Art Education Association, NY, NY.

STUDENT TALKS (*students)

Callaghan*, B.L., Gasser, C., Silvers*, J., VanTieghem*, M., Fields*, A., Choy*, T., Bloom*, P., Harmon*, C., Tompary, A., Davachi, L., **Tottenham, N.** Hippocampal multivoxel encoding signatures predict long-term memory across middle childhood and adolescence in humans. Flux Congress: New York City, NY, 2019.

Gabard-Durnam*, L., Fareri*, D., Goff*, B., Flannery*, J., Gee*, D.G., Caldera*, C., Telzer*, E., Humphreys*, K., Shapiro*, M., **Tottenham, N.** (2017). Society for Research in Child Development, Austin, Tx.

Callaghan*, B., Fields*, A., Gabard-Durnam*, L., Gee*, D.G., Caldera*, C., Humphreys*, K., Goff*, B., Flannery*, J., Telzer*, E., Shapiro*, M., & **Tottenham, N.** (2017). Society for Research in Child Development, Austin, Tx.

Gee*, D.G., Goff*, B., Gabard-Durnam*, L., Caldera*, C., Fareri*, D.S., Lumian*, D.S., Flannery*, J., & **Tottenham, N.** (2017). International Society for Developmental Psychobiology.

Silvers*, J.A., Callaghan*, B., O'Sullivan*, K., Van Tieghem*, M., & **Tottenham, N.** (2017). Society for Research in Child Development, Austin, Tx.

Silvers*, J.A., Lumian*, D.S., Gabard-Durnam*, L., Gee*, D.G., Goff*, B., Fareri*, D.S., Caldera*, C., Flannery*, J., Telzer*, E.H., Humphreys*, K. L., & **Tottenham, N.** (2016). International Society for Developmental Psychobiology.

Gabard-Durnam, L. *, Gee, D.G*, Goff, B., Flannery, J., Telzer, E; Humphreys, K; Lumian, D; Fareri, DS; Caldera, C; **Tottenham, N.** (2015) Annual Brain Imaging Center Symposium, Icahn School of Medicine, Mt. Sinai, New York City

Gabard-Durnam*, L., & N. **Tottenham** (2015) NY Social & Affective Neuroscience Gathering, New York City

Gabard-Durnam*, L. (2015) Sackler Institute for Developmental Psychobiology, Weill Cornell Medical College, New York City

Telzer*, E. & **Tottenham, N.** 2013 Social & Affective Neuroscience Society, San Francisco, CA.

Gabard-Durnam*, L., & **Tottenham, N.** (2015) Society for Neuroscience, Chicago, IL

Fareri* DS, Gabard-Durnam* L, Goff* B, Flannery* J, Gee* DG, Lumian* DS, Caldera* C, **Tottenham, N.** (2015). Society for Neuroscience, Chicago, IL.

Callaghan*, B.L., Cowan, C., **Tottenham, N.**, & Richardson, R. (2015). National Science Foundation Conference on Maternal Buffering, Arlington

Gabard-Durnam*, L., Gee*, D.G., Goff*, B., Flannery*, J., Telzer*, E; Humphreys*, K; Lumian*, D; Fareri*, DS; Caldera*, C; **Tottenham, N.** (2015). Society for Research in Child Development, Philadelphia, PA.

Gabard-Durnam* (2015). Columbia University Department of Psychology, New York City

Gabard-Durnam* (2015). Columbia University, Emeritus Professors in Columbia Annual Meeting, New York City

Silvers*, J.A., Lumian*, D.S., Gabard-Durnam*, L., Gee*, D.G., Goff*, B., Fareri*, D.S., Caldera*, C., Flannery*, J., Telzer*, E., Humphreys*, K.L., & **Tottenham, N.** (2015) Social and Affective Neuroscience meeting, New York, NY.

Silvers*, J.A., Lumian*, D.S., Gabard-Durnam*, L., Gee*, D.G., Goff*, B., Fareri*, D.S., Caldera*, C., Flannery*, J., Telzer*, E., Humphreys*, K.L., & **Tottenham, N.** (2015). Society for Neuroscience, Chicago, IL.

Gee*, D.G., Fareri*, D., Caldera*, C., Goff*, B., Gabard-Durnam*, L., Monti, M., Jovanovic, T., Casey, B.J., **Tottenham, N.** (2015). Social and Affective Neuroscience meeting, New York University, New York, NY.

Gee*, D.G., Gabard-Durnam*, L., Flannery*, J., Goff*, B., Humphreys*, K., Telzer*, E.H., Hare, T.A., Bookheimer, S.Y., **Tottenham, N.** (2015) Anxiety and Depression Association of America, Miami, FL.

Gee*, D.G., Goff*, B., Gabard-Durnam*, L., Flannery*, J., **Tottenham, N.** (2015). Anxiety and Depression Association of America, Miami, FL.

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). Invited talk at Social and Affective Neuroscience Society, Boston, MA.

Goff*, B., Gabard-Durnam* L., Gee*, D. G., Flannery*, J., Lumian*, D. L., Fareri*, D. S., Caldera*, C., **Tottenham**, N. (2014) Society for Neuroscience, Washington, D.C.

Gabard-Durnam, L*; Gee, DG*; Goff, B; Flannery, J; Telzer, E; Humphreys, K; Lumian, D; Fareri, DS; Caldera, C; **Tottenham**, N. Society for Neuroscience, Washington, D.C.

Fareri*, D.S., Gabard-Durnam*, L., Goff*, B., Flannery*, J., Gee*, D.G., Lumian*, D.S., Caldera*, C., **Tottenham**, N. (2014) Society for Neuroscience, Washington, D.C.

Gabard-Durnam*, L., Flannery*, J., Goff*, B., Gee*, D., Telzer*, E., Humphreys*, K., Hare, T., **Tottenham**, N. (2013) Society for Neuroscience, San Diego, CA.

Gee*, D.G., **Tottenham**, N. (2012). Society for Neuroscience, New Orleans, LA.

OTHER ORAL & POSTER PRESENTATIONS (*students)

Wainsztein A, Callaghan B & **Tottenham** N. Attachment Figure Priming Alters Affective Learning and Autonomic Reactivity in Adults. Society of Biological Psychiatry's 2020 Annual Meeting; 2020 April 30-May 2; New York, NY.

Fields*, A., Bloom*, P. A., Harmon*, C., VanTieghem*, M., Choy*, T., Camacho*, N., Gibson*, L., Umbach*, R., Heleniak*, C., and **Tottenham**, N. (October 2019). Disruptions in caregiving associated with both cognitive control impairments and enhancements in childhood. Poster presented at The Annual Meeting for the International Society for Developmental Psychobiology, Chicago, IL.

Fields*, A., Bloom, P. A., Harmon, C., VanTieghem, M., Choy, T., Camacho, N., Gibson, L., Umbach, R., Heleniak, C., and **Tottenham**, N. (August 2019). Cognitive control and generalizability across different subtypes of caregiving adversity. Poster presented at Flux Congress, New York, NY.

Bloom*, P.A., Fields, A., Choy, T., Camacho, N., Gibson, L., Hess, S., Rodrigues, G., Lincoln, M., Umbach, R., Heleniak, C., Shohamy, D., & **Tottenham**, N. Exploring alternative models for school-aged children's behavior during the two-stage task. Poster presented at Flux Congress. August 2019, New York, NY

Bloom*, P.A., VanTieghem, M., Gabard-Durnam, L., Gee, D., Flannery, J., Caldera, C., Goff, B., Telzer, E., Humphreys, K., Shapiro, M., & **Tottenham**, N. Multiverse Analysis Strategies for Developmental fMRI. Poster presentation at the International Society for Developmental Psychobiology. October 2019, Chicago, IL

M. VanTieghem*, P.A. Bloom*, A. Fields*, C. Harmon*, T. Choy*, N. Camacho*, L. Gibson*, R. Umbach*, C. Heleniak*, D. Shohamy, **N. Tottenham**. (2019). Preregistration: Neural and behavioral mechanisms of persistence to setbacks during childhood. Poster presented at Flux Congress. Choy*, T., Humphreys*, K., Gee*, D., Gabard-Durnam*, L., Goff*, B., Telzer*, E., Flannery*, ., Caldera*, C., **Tottenham**, N. (2019). *Cognitive Empathy following Early Institutional Care: Associations with Cognitive Control*. Poster presented at International Society for Developmental Psychobiology, Chicago, IL.

Tanner, G. R., **Tottenham**, N., Francone, V., Frye, C. A., Basu, A. C., Trapani, J. G., Linden, M. L., Ahern, T. H., & Betz, A. J. (2019). The 32nd northeast undergraduate and graduate research organization for neuroscience (NEURON) conference held at Quinnipiac University's Frank H. Netter M.D. School of Medicine in North Haven, CT. Poster at SFN 2019.

Goldman, S., Isler, J., Yamane, N., Wyne, S., Myers, M. & **Tottenham**, N. (2019). *An EEG Study of Speech and Music Processing in Children with Autism Spectrum Disorder*. Poster at the Biennial Meeting of the Society for Music Perception and Cognition.

- Tottenham, N.** (2019). Early Environments and Emotional Brain Development. Talk at the Eastern Psychological Association.
- Tottenham, N.** (2019). Consequences of Early Life Adversity: Neurobiological and Public Health Perspectives. Talk at the American Academy for the Advancement of Science.
- Reed, H.* , Wusinich, C., Fields* , A., Rodriguez, D. Fifer, W., & **Tottenham, N.** (2018). Postnatal Limbic Connectivity and Later Emotional Development. Poster presented at AACAP.
- VanTieghem* , M., Korom* , M., Flannery* , J., Varman* , L., Choy* , T., Caldera* , C., Gabard-Durnam* , L., Goff* , B., Gee* , D., Humphreys* , K., Telzer* , E., Shapiro* , M., Louie* , J. Y., Fareri* , D., Bolger* , N., **Tottenham, N.** *Developmental trajectories of stress physiology and neurobiology following early caregiving adversity.* Poster presented at Flux Congress, Berlin Germany (August 2018).
- Fields* , A., Harmon* , C., Lee* , Z., Louie* , J.Y., & **Tottenham, N.** (November 2018). Parental anxiety mediates the association between normative stress exposure and preschool behavior. Poster presented at The International Society for Developmental Psychobiology, San Diego, CA.
- Bloom, P.A.* , VanTieghem, M.* , Gabard-Durnam* , L.J., Gee* , D.G., Flannery* , J., Caldera* , C., Goff* , B., Telzer* , E.H., Humphreys* , K.L., Shapiro* , M., & **Tottenham, N.** (2018). Longitudinal Change in Amygdala Reactivity to Emotional Faces from Early Childhood Through Young Adulthood. Poster presented at the International Society for Developmental Psychobiology
- VanTieghem* , M., Fields* , A., Choy* , T., Callaghan* , B., Silvers* , J., Wilbrecht, L., **Tottenham, N.** Developmental changes in four-choice reversal learning coincide with pubertal onset. Poster presentation at Flux Congress, Portland OR (September 2017) and ISDP, Washington, DC (November 2017).
- VanTieghem* , M., Telzer* , E., Gabard-Durnam* , L., Flannery* , J., Goff* , B., Gee* , D.G., Humphreys* , K.L., Caldera* , C., Shapiro* , M., Louie* , J., **Tottenham, N.** (April, 2017). *Neurobiological and Hormonal Predictors of Internalizing Psychopathology Following Early Institutional Caregiving.* Talk presented in paper symposium at the Society for Research on Child Development Biennial meeting, Austin Tx.
- Knobloch, H. S., Kim, E. J., Gabard-Durnam* , L., Hodgson, N., Fudge, J. L., **Tottenham, N.**, Lee, F. S., Cameron, J. L., Hensch, T. K. (2017). "Prefrontal cortex BDNF levels and anxiety reversal in females after early life stress." Poster presented at the Society for Neuroscience.
- Tottenham, N.** (2016). "Caregiver-Deprivation Related Depression is Predicted by Telomere Weathering and Nucleus Accumbens Hypoactivity." Oral presentation at SRCD.
- Alba* , L., Flannery* , J., Shapiro* , M., Caldera* , C., Goff* , B., Gabard-Durnam* , L., Humphreys* , K., Telzer* , E., Louie* , J., & **Tottenham, N.** Working Memory Mediates the Association between Early Institutional Care and Separation Anxiety in Adolescence. Poster presented at the Society for Research in Child Development.
- VanTieghem* , M., Wilbrecht, L., **Tottenham, N.** (2017). Developmental change in four-choice reversal learning coincides with puberty onset. Poster presented at the Flux Congress.
- Callaghan* , B.L., Choy* , T., O'Sullivan* , K., Routhier, E., Koutruba, N., Goode, V., Klein, T. & **Tottenham, N.** (2017). Threat Learning Via Emotional Eavesdropping In The Toddler Period. Poster presented at the International Society for Developmental Psychobiology.
- Silvers* , J.A., Goff* , B., Gabard-Durnam* , L.J., Gee* , D.G., Fareri* , D.S., Caldera* , C. & **Tottenham, N.** (2017). The Amygdala as A Biological Link Between Adversity and Anxiety. Poster Presented at The International Society for Developmental Psychobiology.
- Harmon* , C.M., Gabard-Durnam* , L., Gee* , D.G., Goff* , B., Fareri* , D.S., Caldera* , C., Flannery* , J., Telzer* , E.H., Humphreys* , K.L., & **Tottenham, N.** (2017). Earlier and Atypical Structural Connectivity Following Early Caregiver Deprivation. Poster Presented at The International Society for Developmental Psychobiology.
- VanTieghem* , M.R., Wilbrecht, L., & **Tottenham, N.** (2017). Developmental Change in Four-Choice Reversal Learning Coincides With Puberty Onset. Poster Presented at The International Society For

Developmental Psychobiology.

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

Callaghan*, B., Fields*, A., **Tottenham, N.** (2016). Microbiome alterations following early parental deprivation in the developing human: Links to anxiety and emotion neurobiology. Poster presented at New York Academy of Sciences: Advances in Human Microbiome Science: Gut-Brain Interaction, New York, NY.

Silvers*, J., Callaghan*, B., O'Sullivan*, K., VanTieghem*, M., & **Tottenham, N.** (2016). Transgenerational transmission of learned fears via observational conditioning, Poster presented at the Flux Congress.

VanTieghem*, M., Telzer*, E., Gabard-Durnam*, L., Flannery*, J., Goff*, B., Gee*, D., Humphreys*, K., Caldera*, C., Shapiro*, M., Louie*, J., **Tottenham, N.** (2016). The effects of early adversity on amygdala-prefrontal circuitry during emotional face processing in children and adolescents. Poster presented at the Flux Congress.

Harmon*, C.M., Gabard-Durnam*, L., Gee*, D.G., Goff*, B., Fareri*, D.S., Caldera*, C., Flannery*, J., Telzer*, E.H., Humphreys*, K.L., & **Tottenham, N.** (2017). Earlier and atypical structural connectivity following early caregiver deprivation. Poster presented at the Flux Congress.

Callaghan*, B.L., Gee*, D.G., Gabard-Durnam*, L., Fields*, A., Caldera*, C., Humphreys*, K.L., Goff*, B., Flannery*, J., Telzer*, E.H., Shapiro*, M., & **Tottenham, N.** (2016). The Neuroenvironmental Loop of Plasticity: Parental & Peripheral Regulation Of Emotion Neurobiology Across The Lifespan. Poster presented at the International Society for Developmental Psychobiology.

VanTieghem*, M., Telzer*, E., Gabard-Durnam*, L., Flannery*, J., Goff*, B., Gee*, D., Humphreys*, K., Caldera*, C., Shapiro*, M., Louie*, J., **Tottenham, N.** (2016). The Effects Of Early Adversity On Amygdala-Prefrontal Circuitry During Emotional Face Processing In Children And Adolescents. Poster presented at the International Society for Developmental Psychobiology.

Odriozola, P., Dajani, D.R., Burrows, C.B., Gabard-Durnam*, L.J., Gee, D.G., **Tottenham, N.**, Uddin, L.Q. (2016). Atypical development of amygdala functional connectivity in autism: a cross-sectional study. Poster presented at Flux Congress, St. Louis, MO.

Tottenham, N., Gee*, D.G., Gabard-Durnam*, L. (2015). The Caregiver Stimulus and Development of Human Amygdala-mPFC Circuitry. Oral presentation given at the Society for Research in Child Development, Philadelphia, PA.

VanTieghem*, M., Gabard-Durnam*, L., Flannery*, J., Goff*, B., Gee* D.G., Humphreys*, K., Telzer*, E., Caldera*, C., Hare, T., and **Tottenham, N.** (April 2015). The effects of early adversity on emotional appraisal: Implications for amygdala-prefrontal circuit development. Poster presentation at Social Affective Neuroscience Society Annual Meeting, 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.** (May 2015). Effect of early adversity on emotional appraisals: Implications for amygdala-prefrontal circuit development. Poster presented at Association for Psychological Science, New York, NY.

Fareri* DS, Gabard-Durnam* L, Goff*, B, Flannery* J, Gee* DG, Lumian* DS, Caldera* C, **Tottenham N.** (2015). Normative development of ventral striatal resting-state connectivity in humans. Poster presentation, 8th Annual Meeting of the Social and Affective Neuroscience Society. Boston, MA.

Tottenham, N. (2015). Human Amygdala-PFC Circuit Development as an Ontogenetic Adaptation Following Maternal Deprivation. Oral presentation given at the Society for Research in Child Development, Philadelphia, PA.

Fareri* DS, Gabard-Durnam* L, Goff* B, Flannery* J, Gee* DG, Lumian* DS, Caldera* C, **Tottenham, N.** (April, 2015). Normative development of ventral striatal resting-state connectivity in humans. Poster. 8th Annual Meeting of the Social and Affective Neuroscience Society, Boston, MA.

Callaghan*, B.L., Gee*, D., Gabard-Durnam*, L.J., Telzer*, E., Humphreys*, K., Goff*, B., Shapiro*, M., Flannery*, J., Lumian*, D., Fareri*, D., Caldera*, C., **Tottenham**, N. (2015). Amygdala buffering following early parental deprivation in human children and adolescents. Association for Psychological Science, New York.

Gee*, D.G., Goff*, B., Gabard-Durnam*, L., Caldera*, C., Fareri*, D., Lumian*, D., Flannery*, J., **Tottenham**, N. (2015, October). Experimental manipulation of prefrontal cortex differentially affects amygdala reactivity following early-life stress. Poster presented at Society for Neuroscience, Chicago, IL.

Gee*, D.G., Fareri*, D., Caldera*, C., Goff*, B., Gabard-Durnam*, L., Monti, M., Jovanovic, T., Casey, B.J., **Tottenham**, N. (2015, September). Safety signal learning as a novel mechanism for fear reduction during development. Poster presented at Flux International Congress, Leiden, Netherlands.

Gee*, D.G., Goff*, B., Gabard-Durnam*, L., Caldera*, C., Fareri*, D., Lumian*, D., Flannery*, J., **Tottenham**, N. (2015, May). Experimental manipulation of prefrontal recruitment has differential effects on amygdala reactivity in children and adolescents. Poster presented at Association for Psychological Science, New York, NY.

Gee*, D.G., Goff*, B., Gabard-Durnam*, L., Caldera*, C., Fareri*, D., Lumian*, D., Flannery*, J., **Tottenham**, N. (2015, April). Parental buffering of human amygdala-prefrontal circuitry during childhood but not adolescence. Poster presented at Anxiety and Depression Association of America, Miami, FL.

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

Kumar*, A., Choy*, T., Gabard-Durnam*, L.J., Goff*, B., **Tottenham**, N. Parental mediation of internalizing and externalizing problems for youth following early life stress. (2015). 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). Organization for Human Brain Mapping, Honolulu, Hawaii.

Silvers*, J.A., Lumian*, D.S., Gabard-Durnam*, L., Gee*, D., Goff*, B., Fareri*, D.S., Caldera*, C., Flannery*, J., Telzer*, E., Humphreys*, K., & **Tottenham**, N. (November, 2014). "Early maternal deprivation accelerates amygdala-based fear learning in humans." Society for Neuroscience's Annual Meeting, Washington, D.C.

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. (2014, November). Maternal buffering of human amygdala-prefrontal circuitry specifically during childhood. Poster presented at Society for Neuroscience, Washington, D.C.

Goff*, B., Gabard-Durnam* L., Gee*, D. G., Flannery*, J., Lumian*, D. L., Fareri*, D. S., Caldera*, C., **Tottenham**, N. (2014, September) Human chromosomal modification associated with early-life stress induced adolescent depression and nucleus accumbens hyporeactivity. Poster to be presented at Flux Congress, Los Angeles, CA

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

VanTieghem*, M. (December 2014). Emotional appraisals following early adversity: Implications for amygdala-prefrontal circuit development. First Year talk for Monday Seminar Series, Columbia Psychology Department, New York, NY.

Lumian*, D.S., Gabard-Durnam*, L., Goff*, B., Gee*, D., Flannery*, J., **Tottenham**, N. Developmental changes in amygdala-based fear learning: From early childhood through adulthood. Poster Presentation. International Society for Developmental Psychobiology, San Diego, CA, November, 2013.

Flannery*, J., Gabard-Durnam*, L., Gee*, D., Humphreys*, K., Goff*, B., Lumian*, D., **Tottenham, N.** The impact of early life adversity on diurnal HPA axis function across development. Poster presentation International Society for Developmental Psychobiology (November 2013).

Goff*, B., Gee*, D. G., Gabard-Durnam*, L., Flannery*, J., Telzer*, E. H., Humphreys*, K. L., Louie*, J. & **Tottenham, N.** (2013, November) Developmental changes in amygdala-insula connectivity mediates normative age-related increases in trust appraisals. Poster to be presented at Society for Neuroscience, San Diego, CA

Flannery*, J., Gabard-Durnam*, L., Gee*, D., Humphreys*, K., Goff*, B., Lumian*, D., **Tottenham, N.** The impact of early life adversity on diurnal HPA axis function across development. Poster presentation Society for Neuroscience (November 2013).

Lumian*, D.S., Gabard-Durnam*, L., Goff*, B., Gee*, D., Flannery*, J., **Tottenham, N.** Developmental changes in amygdala-based fear learning: From early childhood through adulthood. Poster Presentation. Society for Neuroscience, San Diego, CA, November, 2013.

Gee*, D.G., Goff*, B., Gabard-Durnam*, L., Flannery*, J., **Tottenham, N.** (2013, November). Experimental manipulation of prefrontal recruitment has differential effects on amygdala reactivity in children and adolescents. Poster to be presented at Society for Neuroscience annual meeting, San Diego, CA.

Gabard-Durnam*, L., Flannery*, J., Goff*, B., Gee*, D., Telzer*, E., Humphreys*, K., Hare, T., **Tottenham, N.** (September 2013) Development of human amygdala-cortical functional connectivity at rest. Poster presentation. Flux conference.

Goff*, B., Gee*, D. G., Gabard-Durnam*, L., Flannery*, J., Telzer*, E. H., Humphreys*, K. L., Louie*, J. & **Tottenham, N.** (2013, September) Developmental changes in amygdala-insula connectivity mediates normative age-related increases in trust appraisals. Poster to be presented at Flux Congress, Pittsburgh, PA

Gee*, D.G., Gabard-Durnam*, L., Flannery*, J., Goff*, B., Humphreys*, K., Telzer*, E., **Tottenham, N.** (2013, July). Early adversity alters the development of emotion regulation circuitry. Poster to be presented at American Psychological Association annual convention, Honolulu, HI.

Gabard-Durnam*, L., Flannery*, J., Goff*, B., Gee*, D. G., Humphreys*, K. L., Telzer*, E. H., & **Tottenham, N.** Development of Human Amygdala-Cortical Functional Connectivity at Rest. Poster session presented at the Cognitive Neuroscience Society; 2013 April 13-16; San Francisco, CA.

Gee*, D.G., Goff*, B., Gabard-Durnam*, L., Flannery*, J., **Tottenham, N.** (2013, April). Sustained effects of cognitive load on amygdala reactivity among children and adolescents. Poster to be presented at Cognitive Neuroscience Society annual meeting, San Francisco, CA.

Goff*, B., Gee*, D. G., Telzer*, E. H., Humphreys*, K. L., Gabard-Durnam*, L., Flannery*, J., & **Tottenham, N.** Reduced nucleus accumbens reactivity and adolescent depression following early-life stress. Poster session presented at the Cognitive Neuroscience Society; 2013 April 13-16; San Francisco, CA.

Olsavsky* AK, Flannery J, Humphreys K, Telzer E, Shapiro M, **Tottenham N.** Early Maternal Deprivation Is Followed By Indiscriminant Amygdala Response To Mothers And Strangers. Society of Biological Psychiatry Annual Meeting. May 2012. Philadelphia, PA.

Humphreys*, K. L., & **Tottenham, N.** (2012, August). Developmental adaptations following early-life stress during risky decision making. Poster to be presented at the 120th annual convention for the American Psychological Association, Washington, DC.

Gee*, D. & **Tottenham, N.** (2011, November). Developmental Changes in Functional Connectivity of Neural Circuitry Subserving Emotion Regulation. Poster presented at Annual meeting for the Society for Neuroscience, 2011.

Wennerstrom*, L. & **Tottenham, N.** (2011, May). Childhood Peer Relationships Following Maternal Deprivation. Poster presented at the annual UCLA Psychology Undergraduate Research Conference,

Los Angeles, CA.

Tottenham, N., Shaprio*, M., Telzer*, E. (2011, April). "Children's Neural Response To Mother's Face: Effects Of Early Caregiving Experiences." Poster accepted at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Humphreys*, K. L., & **Tottenham, N.** (April, 2011). Postnatal adversity is associated with impaired emotional learning during childhood. Poster to be presented at the 18th Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Telzer*, E.H., Shapiro*, M., Humphreys*, K., & **Tottenham, N.L.** (2011, April). Children's understanding of socially-relevant categories: The role of the amygdala in racial/ethnic categorization. Poster accepted at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Louie*, J.Y., Lau, A., **Tottenham, N.** (2011, April). "Temperament Factors in the Psychobiological Development of Social Anxiety." Poster presented at the Paper Symposium presented at Society for Research in Child Development, Montreal, CA.

Linick, J., Leonard, N., Cleland, C. **Tottenham, N.** Massey, Z., & Gwadz, M. (2011, April) "Callous-Unemotional Traits, Fear Recognition, and Emotion Regulation in Incarcerated Youth". Poster presented at the Paper Symposium presented at Society for Research in Child Development, Montreal, CA.

Shapiro*, M., Telzer, E., Mayo, M., & **Tottenham, N.** (2010, November). Children's neural response to mother's face: effects of early caregiving experiences. Paper presentation at the International Society for Developmental Psychobiology Annual Meeting, San Diego, California.

Telzer*, E., Shapiro*, M. & **Tottenham, N.** "Neural sensitivity to race in children and adolescents". Poster presented at the Annual meeting for the Society for Neuroscience, 2010.

Tottenham, N. & Gillespie-Lynch, K. (2010) "The Development of Amygdala-Fusiform Structural Connectivity and Face Processing in High Functioning Autism". Poster presented at the International Meeting for Autism Research, Philadelphia.

Tottenham, N., Zaidel, E., Li, L., (2010). "Seeing Yourself Facilitates Perception of Others' Emotions". Poster presented at Annual meeting of the Cognitive Neuroscience Society, Montreal, CA.

Amso, D. & **Tottenham, N.** (2010). "Targeted Visual Exploration of Fearful But Not Happy Faces Supports Emotion Discrimination". Poster presented at the International Society for Infant Studies, Baltimore, MD.

Ganzel, B., Gilmore, H., **Tottenham, N.**, Temple, E. "Trauma and the developing brain: Neuroimaging evidence for long-term stress-related neural change in healthy children". Poster presented at Annual meeting of the Cognitive Neuroscience Society, Montreal, CA.

Tottenham, N. (2009) "The Neurobiology of Altered Social Behavior following Early Postnatal Neglect". Paper symposium presented at the Society for Neuroscience, Chicago, IL.

Cohen, M., **Tottenham, N.**, Hare, T., Millner, A., Gilhooly, T., Teslovich, T., Somerville, L., Casey, B.J. (2009) "Enriched environment helps learning systems recover in humans". Poster presented at the Society for Neuroscience, Chicago, IL.

Donzella, B. **Tottenham, N.**, Gunnar, M.R., (2009) Is That a Stress Response, or Was I Just Talking? The Importance of Controlling for Speech Conditions During the Trier (TSST). Paper Symposium presented at Society for Research in Child Development, Denver, CO.

Tottenham, N., Hare, T.A., Milner, A., Gilhooly, T., Casey, B.J. (2008). Early-life stress is associated with a neural bias towards emotionality. Poster presented at the Society for Neuroscience, Washington DC.

Tottenham, N., Gilhooly, T., Millner, A., Birch, S. (2008). Look into my eyes: The effect of looking behavior on face processing. Poster presented at the Annual meeting of the Cognitive Neuroscience Society, San Francisco.

Jones, RM, Zevin, JD, Skipper, J, Casey, BJ & **Tottenham**, N. (2008). The neural mosaics of face sensitivity across development: looking beyond peak activity. Poster presented at the Annual meeting of the Cognitive Neuroscience Society, San Francisco

Tottenham, N., Gilhooly, T., Soliman, F., Hare, T.A., Getz, S., Milner, A., Amso, D., & Casey, BJ (2007). Conditioning of Emotional Faces in Children, Adolescents, and Adults. Poster presented at Cognitive Neuroscience Society, New York.

M.J. Ward, N.L. **Tottenham**, T.A. Hare, M.C. Nurse, T.W. McCary, B.J. Casey (2007). Attachment Representation and Emotion Regulation in Children Adopted After Institutionalization. Poster presented at the Society for Research in Child Development, Boston, MA.

Tottenham, N., Davidson, M.C., Galvan, A., Spicer, J., Hare, T., & Casey, B.J. (April, 2006). "Fusiform gyrus activity modulated by facial expression in children, adolescents, and adults". Poster presented at Cognitive Neuroscience Society, New York.

Gunnar, M.R., Talge, N.M., **Tottenham**, N., Wewerka, S., Madsen, N. (April, 2005). "Paradoxical Decreases in Cortisol During Laboratory Challenges in Children: Associations with Age and Autonomic Activity". Paper symposium presented at the biannual meeting of the Society for Research in Child Development.

Davidson, M.C., **Tottenham**, N., Spicer, J.A., Galvan, A., Durston, S., Horvitz, J.C., & Casey, B.J. (April, 2005). "Neural Responses to Stimulus and Temporal Violations of Expectation: A Development fMRI Study". Poster presented at Cognitive Neuroscience Society, New York.

Tottenham, N., Davidson, M.C., Galvan, A., Spicer, J., Hare, T., Rossi, J., Worden, M.I., Whalen, P.J., & Casey, B.J. (April, 2005). "Neutral Faces Elicit more Ventral Amygdala Response than Calm Faces in Children". Poster presented at Cognitive Neuroscience Society, New York.

Blau, V., Maurer, U., **Tottenham**, N., & McCandliss, B. (April 2005). The N170 ERP component is modulated by emotional facial expression, even after repeated exposure as task-irrelevant stimuli controlled for shape, contrast, and gender. Poster presented at Cognitive Neuroscience Society, New York.

Hare, T. **Tottenham**, N., Davidson, M.C., Spicer, J., Glover, G., & Casey, B.J. (April 2004). "Contributions of Striatal and Amygdala Activity in Affect Regulation". Poster presented at CNS, San Francisco.

Spicer, J., Davidson, M.C., Durston, S., **Tottenham**, N., Galvan, A., & Casey, B.J. (April 2004). "Neural Response to Violations in Expectation across Development". Poster presented at CNS, San Francisco.

Sarkar, R., **Tottenham**, N., Davidson, M.C., Worden, M., Spicer, J., Galvan, A., Eigsti, I., & Casey, B.J. (April 2004). "Amygdala Response to Happy and Neutral Faces in Children and Adults in an Event-Related fMRI Design". Poster presented at CNS, San Francisco.

Freed, P., **Tottenham**, N., Davidson, M.C., Galvan, A., Spicer, J., Hare, T.A., Worden, M.I., & Casey, B.J. (April 2004). "Calm vs. Neutral: Differential Amygdala Responses". Poster presented at CNS, San Francisco.

Durston, S., Davidson, M.C., **Tottenham**, N., Spicer, J., Galvan, A., Fossella, J.A., & Casey, B.J. (November 2004). "Longitudinal functional MRI of the development of cognitive control". Poster presented at Society for Neuroscience, San Diego.

Hare, T.A., **Tottenham**, N., Davidson, M.C., Glover, G., & Casey, B.J. (November 2004). "Contributions of striatal and amygdala activity in affect regulation". Poster presented at Society for Neuroscience, San Diego.

Spicer, J., Galvan, A., Hare, T., Davidson, M.C., **Tottenham**, N., Glover, G., & Casey, B.J. (April, 2004). "Human Striatal Activity in the Presence of Reward Probability Variation". Poster presented at CNS, New York.

Tottenham, N., Davidson, M.C., Worden, M.I., Haxby, J.V., Casey, B.J. (April 2003). "Activation of the Fusiform Face Area without Conscious Awareness". Poster presented at the OHBM, New York.

Davidson, M.C., Horvitz, J.C., **Tottenham**, N., Durston, S., Fosella, J.A. & Casey, B. J. (November 2003). "Investigation of neural circuitry modulated by violations in stimulus and temporal expectations". Poster presented at the Society for Neuroscience, New Orleans.

Galvan, A., Fossella, J.A., **Tottenham**, N., McClure, S., Spicer, J., Montague, P.R., & Casey, B.J. (November 2003) "Relation of genetic variation to responses to reward uncertainty and risk taking behavior". Poster presented at the Society for Neuroscience, New Orleans.

Tottenham, N., Eigsti, I., Davidson, M.C., Watts, R., Altemus, M., Aronson, J. & Casey, B.J. (2003). "Hippocampal and Amygdala Development following Institutionalization and Subsequent Adoption". Poster presented at NY Academy of Sciences, New York.

Tottenham, N., & Casey, B.J. (April, 2003). "The MacBrain Face Stimulus Set for Developmental Studies of Face and Emotion Processing: A More Versatile Stimulus Set". Poster presented at the Society for Research in Child Development, Tampa.

Tottenham, N., Haxby, J., Whalen, P.J., Worden, M.S., & Casey, B.J. (April, 2003). "Establishing age-appropriate presentation times for masked faces and houses". Poster presented at the Cognitive Neuroscience Society annual meeting, New York City.

Eigsti, I.M., **Tottenham**, N., Davidson, M.C., Casey, B.J. (April, 2003). "Effects Of Institutionalization And Adoption On Later Behavioral And Brain Development". Poster presented at the Cognitive Neuroscience Society annual meeting, New York City.

Davidson, M.C., Horvitz, J.C., **Tottenham**, N., Fossella, J.A., & Casey, B.J. (November 2002) "fMRI Investigation Of Saliency, Expectation And Reward Circuitry". Poster presented at the Society for Neuroscience, San Diego.

Tottenham, N., Borscheid, A., Ellertsen, K., Marcus, D.J., Nelson, C.A. (April, 2002). "Categorization of Facial Expressions in Children and Adults: Establishing a Larger Stimulus Set". Poster presented at the Cognitive Neuroscience Society annual meeting, San Francisco.

Eigsti, I.M., Munson, S.F., **Tottenham**, N., Thomas, K.M., Durston, S., Casey, B.J. (April, 2002). "Neural and Behavioral Correlates of Institutionalization". Poster presented at the Cognitive Neuroscience Society annual meeting, San Francisco.

Davidson, M.C, Fossella, J.A., Durston, S., **Tottenham**, N., Kunz, K.H., & Casey, B.J. (April, 2002). "Catecholaminergic Genes, Cognitive Control and Brain Morphology". Poster presented at Cognitive Neuroscience Society annual meeting, San Francisco.

Tottenham, N. Curtis, W.J. Zhuang, J.C., Hu, X., Nelson, C.A. (November, 2001). "The Development Of The Neural Correlates Of The Delayed Matching- And Nonmatching-To-Sample Memory Tasks: An Event-Related Functional MRI Approach". Poster presented at the annual meetings of the International Society for Developmental Psychobiology & the Society for Neuroscience, San Diego.

Casey, B.J., Munson, S.F., Thomas, K.M., Durston, S. & **Tottenham**, N. (November, 2001). "The Aftermath Of Neglect: Assessing The Neurobiological Development Of Post-Institutionalized Children". Paper presented at the International Society for Developmental Psychobiology Conference, San Diego.

Tottenham, N., Parker, S. W., & Liu, C. (April 2001) "Individual Differences In Cardiac And HPA Reactivity To A Psychological Stressor". Poster presented at the Society for Research in Child Development Bi-annual Meeting, Minneapolis.

Tottenham, N., Parker, S. W., Liu, C. & Gunnar, M. R. "Individual Differences In Cardiac And HPA Reactivity To A Psychological Stressor". Poster presented at the Cognitive Neuroscience Meeting, New York City (March 2001) and at the International Society for Developmental Psychobiology Conference, New Orleans (November 2000).

Tottenham, N. (April 1999) "The Autonomic Origins of Cardiac Reactivity To a Psychological Stressor in Adult Women". Talk presented at the Society for Research in Child Development Millennium Fellows Program.

Tottenham, N., Gwadz, M., Cisek, P., & Franzke, L. (May 1998). "New Treatments for AIDS: Adherence and attitudes among low-income mothers". Poster session presented at the 10th Annual APS Convention, Washington D.C.

Gwadz, M., Rotheram-Borus, M.J., James, N., Elliot, J., Cisek, T., **Tottenham**, N. (November 1998). "New caregivers of adolescents bereaved by AIDS". Paper presented at the 126th Annual Meeting of Public Health and Managed Care, Washington D.C.

Gwadz, M., Rotheram-Borus, M., Franzke, L., Lewis, P., James, N., Moore, S., **Tottenham**, N., Mohammed, T., & Leonard, N. (July 1997). "Picking up the pieces: caregivers of adolescents whose parents have died from HIV/AIDS". Poster presented at the NIMH Fifth Annual Research Conference on the Role of Families in Preventing and Adapting to HIV/AIDS, Baltimore, MD.

Gwadz, M., Rotheram-Borus, M., Lee, M., James, N., **Tottenham**, N., Leonard, J., & Bernal, R. (1997, July). "Interventions for parents living with AIDS and their adolescent children". Poster presented at the NIMH Fifth Annual Research Conference on the Role of Families in Preventing and Adapting to HIV/AIDS, Baltimore, MD.