# VITA

# Nim Tottenham, Ph.D.

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Columbia University, Department of Psychology - 369 Schermerhorn Hall

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**EMPLOYMENT**

2014-present Associate Professor, Columbia University, Department of Psychology

2016-present Associate Professor, Adjunct in the Child Study Center, Yale School of Medicine

2014-present Faculty, Columbia University Sackler Institute for Developmental Psychobiology

2013-2014 Associate Professor (w/ tenure), UCLA, Department of Psychology

 Developmental and Behavioral Neuroscience Areas

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-present 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
Developmental and Behavioral Neuroscience Areas

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,
Minneapolis Mentors (UMN): Megan Gunnar, Ph.D., Charles Nelson, Ph.D.
Mentor (Sackler Institute): 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**

2017 Irene Jakob Memorial Lecture Award, U of Pittsburgh

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**

 NIMH 2R01MH091864 Tottenham/Milham (PIs)

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

Role: PI

07/01/2017-06/30/2022

Presidential Scholars in Society and Neuroscience Faculty Seed Grants for Interdisciplinary Projects in Society and Neuroscience

*Role of Music on Electrocortical and Autonomic Functions in Boys and Girls with Autism Spectrum Disorder*

(PIs: Sylvie Goldman, Nim Tottenham, Michael Myers, Rebecca Young)

Role: co-PI

07/01/2017-06/31/2019

 National Institute of Mental Health (1R01MH111640)

 *Functional Brain Networks Mediating Individual Differences in Valence Bias*

(PI: Maital 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: Tanja Jovanovic)

Role: Co-Investigator

9/23/2016-9/22/2021

National Science Foundation

*The Neurodevelopment of Social Buffering and Fear Learning: Integration and Crosstalk* [Workshop Grant]

(PI: Megan Gunnar)

Role: Co-Investigator

11/2014-10/2017

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: Kate McLaughlin)

Role: Consultant

6/2014-5/2019

**COMPLETED**

Dana Foundation

*Epigenetic Restructuring of Human DNA following Early- Life Stress*

Role: PI

September 2012-December 2016

Provost's Grants Program for Junior Faculty who Contribute to the Diversity Goals of the University

*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

*Hippocampal memory consolidation across human development: Multivoxel correlation pattern persistence during post-encoding rest*

Role: PI

7/16/2015-7/15/2016

National Institute of Mental Health (R01MH091864)

Biobehavioral Research Awards for Innovative New Scientists (BRAINS)

*Longitudinal Examination of Human Amygdala-vmPFC Development*

Role: PI

July 2010-June 2015

Frontiers of Innovation - Harvard Center for the

Developing Child

*“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*

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*

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*

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*.

Role: PI

2006-2008

**PENDING**

Russell Sage Foundation

*Biological Plasticity and Childhood Academic Resilience following Early-life Adversity*

Role: co-PI

6/1/2017-5/31/2019

NIA Widom (PI)

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

Role: co-I

04/01/2018-03/31/2023

Columbia’s Center for Population Research Tottenham/Champagne (MPIs)

*Biological Plasticity and Childhood Academic Resilience following Early-life Adversity*

Role: co-PI

07/01/2017-06/30/2019

**FUNDING AS A TRAINEE**

National Institute of Health - Research Education Grant (T32)

Weill Cornell Medial 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**

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. **Tottenham, N.** & Gabard-Durnam, L.J. (in press). The developing amygdala: a student of the world and a teacher of the cortex. *Current Opinion in Psychology.*
2. Flannery, J., Gabard-Durnam, L., Shapiro, M., Goff, B., Caldera, C., Louie, J., Gee, D.G., Telzer, E., Humphreys, K., Lumian, D, & **Tottenham, N.** (in press). Diurnal Cortisol after Early Institutional Care - Age Matters. *Developmental Cognitive Neuroscience.*
3. Silvers, J.A., Goff, B., Gabard-Durnam, L.J., Gee, D.G., Fareri, D.S., Caldera, C., & **Tottenham, N.** (in press). Vigilance, the Amygdala, and Anxiety in Youth with a History of Institutional Care. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging.*
4. Fareri, D.S., Gabard-Durnam L, Goff B, Flannery J, Gee DG, Lumian DS, Caldera C, **Tottenham, N.** (in press). Alterations to corticostriatal connectivity mediates association between early caregiver deprivation and social problems in adolescence. *Development and Psychopathology.*
5. Merz, E., **Tottenham, N**., & Noble, K. (in press). Socioeconomic Status, Amygdala Volume, and Internalizing Symptoms in Children and Adolescents. *Journal of Clinical Child and Adolescent Psychology.*
6. VanTieghem, M. & **Tottenham, N.** (in press). Neurobiological programming of early life stress: Functional development of amygdala-prefrontal circuitry and vulnerability for stress-related psychopathology. *Current Topics in Behavioral Neurosciences*.
7. 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.** (in press). Adaptation and attachment following early institutional caregiving: Effects of positive valence bias and parent-child relationship security on internalizing problems. *Development and Psychopathology.*
8. Humphreys, K., **Tottenham**, N., & Lee, S.S. (in press). Risky Decision-making in Children with and without ADHD: A Prospective Study. *Child Neuropsychology.*
9. 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*.* PMC5030125
10. **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.
11. van Rooij, S.J., Cross, D., Stevens, J.S., Vance, L.A., Kim, Y.J., Bradley, B., **Tottenham**, N., & Jovanovic, T. (in press). Maternal buffering of fear-potentiated startle in children and adolescents with trauma exposure. *Social Neuroscience.*
12. 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. PMC5015779
13. Fareri, D. & **Tottenham**, N. (2016). Effects of early life stress on amygdala and striatal development. *Developmental Cognitive Neuroscience, 19*, 233-47. PMC4912892
14. Gabard-Durnam, L.\*, Gee, D.G\*, Goff, B., Flannery, J., Telzer, E; Humphreys, K., Lumian, D; Fareri, DS; 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
15. 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.*
16. 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
17. 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
18. 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.
19. Galvan, A. & **Tottenham, N.** (2016). Adolescent Brain Development. *Developmental Psychopathology, 3d Edition*. Ed: Dante Cicchetti.
20. 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.
21. 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.
22. 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.
23. 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.
24. **Tottenham**, N. (2015). Social Scaffolding of Human Amygdala-mPFC Circuit Development. *Social Neuroscience, 10*(5), 489-499. PMC4890612
25. 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.
26. 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.
27. Goff, B. & **Tottenham,** N. (2015). Early-life adversity and adolescent depression: Mechanisms involving the ventral striatum. *CNS Spectrums, 20*(4), 337-345.
28. 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. PMC4302248
29. 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
30. 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
31. 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
32. 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
33. **Tottenham, N.**, Hertzig, M.E., Gillespie-Lynch, K., Gilhooly, T., Millner, A., & Casey, BJ. (2014). Elevated amygdala response to faces and gaze aversion in autism spectrum disorder. *Social Cognitive, & Affective Neuroscience, 9*(1), 106-117*.* PMC3871735
34. **Tottenham, N.** (2014). 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*
35. 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
36. Malter-Cohen, M., Jing, D., Yang, R.R., Lee\*, F.S., **Tottenham\*, N.**, & Casey\*, BJ. (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
37. 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
38. Green, S., Rudie, J.D., Colich, N., Wood, J.J., Shirinyan, D., Hernandex, 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.
39. 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
40. 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
41. 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
42. 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
43. **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.
44. 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*.
45. **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
46. 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
47. 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
48. 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
49. **Tottenham, N.** (2012). Risk and developmental heterogeneity in previously-institutionalized children, *Journal of Adolescent Health, 51*(2, Supplement), S29-S33. PMC3400928
50. **Tottenham, N.** (2012). Human amygdala development in the absence of species-expected caregiving. *Developmental Psychobiology, 54*(6):598-611*.* PMC3404246
51. **Tottenham, N.**, Shapiro, M., Telzer, E., & Humphreys, K. (2012). Amygdala response to mother. *Developmental Science, 15*(3), 307-19. PMC3522470
52. Li, L. & **Tottenham, N.** (2011). Seeing yourself helps you see others. *Emotion, 11*(5):1235-41. *[PubMed - indexed for MEDLINE]*
53. **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
54. 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
55. **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
56. 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
57. **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
58. 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
59. **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*.**
60. **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**

1. **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.
2. (\*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
3. 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
4. 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*.*
5. 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
6. **Tottenham, N.**, Leon, A.C., & Casey, B.J. (2006). The Face behind the mask: a developmental study. *Developmental Science*, 9 (3), 288-294.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. (\*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.
17. 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.
18. 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, C*linical Child Psychology and Psychiatry, 7* (1), 115-124.
19. 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.
20. **Tottenham, N.** *Instructor's Manual to Brain, Mind, and Behavior, 3rd Edition*, Bloom, F. and Nelson, C.A. New York: Worth Publishers, (2000).
21. **Tottenham, N.** & Davis E. (2000) *Manual on Cognitive Development*. Teaching Module for the Erikson Institute, Chicago.
22. 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*. Journal of Sex Education and Therapy, 24,* 81-88.

(Manuscripts under review)

1. Gabard-Durnam, LJ\*, O’Muircheartaigh, J. \*, Dirks, H., Dean III, D.C., **Tottenham**, N., Deoni, S. (under revision) Emergence of human amygdala functional and structural networks in early childhood (from 3 months to 5 years of age).\*authors contributed equally
2. Humphreys, K. L., McKenzie, M., **Tottenham**, N. & Lee, S.S. (submitted). Validating Primary and Secondary Subgroups of Psychopathy in Children.
3. Odriozola, P., Dajani, D.R., Burrows, C.A., Gabard-Durnam, L.J., **Tottenham, N**., Gee, D.G., Uddin, L.Q. (submitted). Adolescence as a key developmental period for amygdala functional connectivity and social impairment in autism.
4. Callaghan, B., Gee, D.G., Gabard-Durnam, L., & **Tottenham, N**. (submitted) Gut microbiome and hippocampal-prefrontal cortex development following early adversity in humans.
5. Goff, B., Gabard-Durnam, L.,,Gee, D.G., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C., Glatt, C., & **Tottenham, N.** (submitted). Nucleus Accumbens Reactivity Mediates Relationship Between Human Chromosomal Modification and Future Early Adversity-Induced Depression.
6. Callaghan, B., Gee, D.G., Gabard-Durnam, L., & **Tottenham, N**. (submitted). Diminished parental buffering of human amygdala following early parental deprivation.
7. Linick, J., Leonard, N.L., Cleland, C.M., **Tottenham, N**., Massey, Z., & Gwadz, M.V. (submitted). Emotion Recognition, Emotion Regulation, and Callous-Unemotional Traits in Incarcerated Male Youth.
8. Humphreys, K. L., Gabard-Durnam, L. J., Goff, B., Telzer, E. H., Flannery, J., Gee, D.G., Park, V., Lee, S. S., & **Tottenham**, N. (submitted). Friendship and Social Functioning following Early Parental Deprivation: The Role of ADHD Symptoms.

**OTHER PUBLICATIONS**

1. **Tottenham, N**. (in press). Award for Distinguished Scientific Early Career Contribution to Psychology. *American Psychologist.*

**SPECIAL INVITED NATIONAL/INTERNATIONAL TALKS & INVITED WORKSHOPS**

2018 Neurobiology of Stress Conference, Banff, 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 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)

2016-present NIH “Reversibility” Network (Salt Lake City, UT)

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 Psychopharmacology, 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)

##### INVITED TALKS

2017 Irene Jakab Lecture, U of Pittsburgh

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 Neuropsychopharmocology, Hollywood, FL

2012 Society for Neuroscience, New Orleans, LA

2012 American Academy of Child & Adolescent Psychiatry, San Francisco, CA

2012 La Foundation 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.

**ORGANIZED CONFERENCES, PRECONFERENCES, & SYMPOSIA**

Scientific Program Director: *Flux Congress* 2017

Portland, Oregon

Symposium Organizer & Chair: 2017

*Society for Research in Child Development*

Scientific Program Committee: *Flux Congress* 2016-2018

St. Louis, MO.

Scientific Program Committee: Sackler Winter Meeting 2014-present

NSF Workshops: *The Neurodevelopment of Social Buffering 2015, 2016*

*and Fear Learning: Integration and Crosstalk*

Symposium Organizer & Co-Chair: International Society for 2015

Developmental Psychobiology, Washington, D.C.

Symposium selected as special *Sackler Symposium*

*Development of Limbic-Based Learning in Humans*

Symposium Chair: SRCD Symposium on Brain Development 2015

Symposium Organizer & Co-Chair: International Society for 2014

Developmental Psychobiology, Washington, D.C.

Symposium selected as special *Sackler Symposium*

Scientific Program Committee: Inaugural *Flux Congress* 2013

Pittsburgh, PA.

Funding Committee: Inaugural *Flux Congress* 2013

Pittsburgh, PA.

Symposium Organizer and Chair: *Biological Psychiatry* 2011

Symposium*: “*The Neurobiology of Emotional

Learning in Development”

Organizer & Chair : Society for Neuroscience 2009

Minisymposium: Developmental Affective Neuroscience Symposium

Organizer & Co-chair: Society for Research in Child Development 2009

Preconference: Culture, Brain, & Development Pre-Conference

Co-Director: John Merck Fund Summer Institute for 2005

Developmental Disabilities

 **INVITED COLLOQUIA/GRAND ROUNDS**

University of Minnesota, Child Development 2017; Mayo Clinic 2017; Queen’s University 2017; Cambridge University, MRC-CBU 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. FrameWorks Institute - further public understanding of scientific and social problems by translating scholarly research on adolescent development. October 2016
2. *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>
3. *Dr. Radio,* September 27, 2015
4. *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>
5. *Jonah Lehrer Blog* “Learning to be alone,” October 2014 *(http://www.jonahlehrer.com/blog/2014/10/22/how-to-be-alone)*
6. *National Public Radio*, July 2014, “The Value of Play”
7. *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?utm_campaign=storyshare&utm_source=share&utm_medium=facebook)” (<http://www.npr.org/blogs/health/2014/02/20/280237833/orphans-lonely-beginnings-reveal-how-parents-shape-a-childs-brain>)
8. *Science News*, August 13, 2013 (http://www.sciencenews.org/view/generic/id/352381/description/Racial\_homogeneity\_in\_early\_childhood\_may\_affect\_brain)
9. Medical Daily, October 18, 2012
10. *The Atlantic*, October 17, 2012
11. *Pittsburgh Post Gazette,* March 29, 2012
12. *Los Angeles Times*, May 30, 2011
13. *Time Magazine*, Vol 177, No. 11, March 21, 2011
14. NIMH Director’s Blog, February 18, 2011
15. ABC News
(<http://abclocal.go.com/wabc/story?section=news/health&id=6133399>) May 2008

**PROFESSIONAL SERVICE**

**STIMULUS SET SHARING:** Creation and Management of the NimStim Set of Facial Expressions– approximately 1000 downloads/year for the past 8 years <http://www.schedulebabybrain.com/nimstimdownload.asp>

**GRANT REVIEWS**

NIMH: Special Emphasis Panel 2016 - present

NSF Grant Review Panel*: Behavioral and Cognitive Sciences*  2015

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 2011

*Administration for Children and Families*

**OTHER PROFESSIONAL SERVICES**

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 2016-present

Child Development

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-present

*Wiley* 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 2009-2014

Disabilities Research Center (UCLA – Tarjan Center)

Member: UCLA Intellectual and Developmental Disabilities 2009-2014

Research Center

**EDITORIAL DUTIES**

Editorial Board: *Social Neuroscience* 2017-present

Review Editor: Frontiers for Young Minds 2017-present

Associate Editor: *Frontiers in Behavioral Neuroscience* 2014-

Guest Editor for Special Issue on 2013

Development in *Biology of Mood & Anxiety Disorders*

Editorial Board: *Biology of Mood & Anxiety Disorders* 2010-2015

Review Editor: *Frontiers in Developmental Psychology* 2010-

Consulting Editor: *Emotion* 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 2015-present

 Anxiety and Depression Association of America 2013-2015

 American Psychological Society 2012-2014

 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**

Precision Medicine and Society Steering Committee (2017-present)

Colloquium Organizer (2016-present)

Graduate Admissions Committee (2015-present)

Faculty Search Committee (2015-present)

Research Initiatives in Science & Engineering (RISE) grant reviewer (2015-present)

Bridge Scholars Mentor/Faculty (2016-present)

Columbia Committee on Science Instruction (COSI) (2015-2016)

Director of Undergraduate Studies, Psychology Department (2015-2016)

NSOP Science and Mathematics Panel (2015)

CUMC T32 Research Fellows in Child Psychiatry (2015)

 *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:

Legal Aid Society 2017

United Nations – IBREA presentation (2016)

Hypothe-kids Summer Tours/Internships (2016-present)

Provide science internships for high school students

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*

Bridget Callaghan, Ph.D. Postdoctoral Fellow (2014-present)

Shula Green, Ph.D. (2016-present) NIMH K08 co-Mentor

*Former*

Jennifer Silvers, Ph.D. Postdoctoral Fellow (2014-2016) current: Assistant Professor, UCLA

Dominic Fareri, Ph.D., Postdoctoal Fellow (2013-2015) current: Assistant Professor,

 Adelphi University

DOCTORAL STUDENTS

*Present*

Michelle VanTieghem, Columbia graduate student (2014-present)

Chelsea Harmon, Columbia graduate student (2016-present)

*Former*

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

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

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: Postdoc, 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

 Laura Alba, M.A. (2015-2017), current doctoral students UC Davis

 Amber Zhong, M.A. (2015-2017), Outstanding Achievement Award

**ADVISEE AWARDS**

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 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**

Rebecca Martin (2017) (Columbia)

Bruce Dore (2016) (Columbia)

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). National Art Education Association. Emotional Learning, Empathy, and the Role of Art: A Research Study.

*STUDENT TALKS (\*students)*

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.

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

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)*

**Tottenham, N. (2017).** AACAP's 64th Annual Meeting, Washington, DC, 2017.

H. S. Knobloch, E. J. Kim, L. Gabard-Durnam\*, N. Hodgson, J. L. Fudge, N. **Tottenham**, F. S. Lee, J. L. Cameron, T. K. Hensch. (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.

Laura Alba, Jessica Flannery, Mor Shapiro, Christina Caldera, Bonnie Goff, Laurel Gabard-Durnam, Kathryn Humphreys, Eva Telzer, Jennifer Louie, & Nim **Tottenham**. Working Memory Mediates the Association between Early Institutional Care and Separation Anxiety in Adolescence. Poster presented at the Society for Research in Child Development.

Gabard-Durnam, L.\* & **Tottenham**, N. (2017). Poster presented at the Society for Research in Child Development.

A childhood sensitive period for medial prefrontal cortex regulatory signal learning

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.

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.  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\*, LJ., 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\*, LJ., 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\*, LJ, **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 Neuerosience, 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 adaptions 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, BJ. (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, BJ (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.