

Curriculum Vitae

BIOGRAPHICAL

Name: Erika E. Forbes, Ph.D.

Office Address: Western Psychiatric Institute and Clinic **Email Address:** forbese@upmc.edu
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EDUCATION and TRAINING

UNDERGRADUATE:

1987-1991 Harvard University, Cambridge, MA AB 1991
History and Literature

GRADUATE:

1996-2003 University of Pittsburgh, Pittsburgh, PA PhD 2003
Clinical & Developmental Psychology Advisor: Jeffrey F. Cohn, Ph.D.

2002-2003 University of Pittsburgh, Pittsburgh, PA Psychology Internship
Clinical Psychology Directors: Paul A. Pilkonis, Ph.D., Marsha
A. Marcus, Ph.D.

POSTGRADUATE:

2003-2005 University of Pittsburgh, Pittsburgh, PA Postdoctoral Scholar
Developmental Affective Neuroscience Mentor: Ronald E. Dahl, M.D.

APPOINTMENTS and POSITIONS

ACADEMIC:

2005-2011 University of Pittsburgh, Pittsburgh, PA Assistant Professor of Psychiatry
(Visiting Assistant Professor in 9/2005; Assistant Professor as of 10/2005)

2007-2011 University of Pittsburgh, Pittsburgh, PA Assistant Professor of Psychology
(secondary)

2010- University of Pittsburgh, Pittsburgh, PA Membership in Graduate Faculty
2011- University of Pittsburgh, Pittsburgh, PA Associate Professor of Psychiatry
2011- University of Pittsburgh, Pittsburgh, PA Associate Professor of Psychology
(secondary)

2012- Center for the Neural Bases of Cognition Faculty
2013 University of Pittsburgh, Pittsburgh, PA Conferral of Tenure
2013 University of Pittsburgh, Pittsburgh, PA Associate Professor of Pediatrics
(secondary)

CERTIFICATION and LICENSURE

PROFESSIONAL LICENSURE:

Pennsylvania State Board of Psychology 2005- License # PS015739

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

American College of Neuropsychopharmacology	2011-
International Society for Research in Child and Adolescent Psychopathology	2011-
Society for Research in Psychopathology	2007-
Society of Biological Psychiatry	2005-
Society for Psychophysiological Research	2003-
American Psychological Association	1997-
Society for Research in Child Development	1997-

HONORS

Emerging Mentor Award, Department of Psychiatry, University of Pittsburgh	2013
Associate Member, American College of Neuropsychopharmacology (ACNP)	2011
ACNP Early Career Travel Award	2008
NARSAD Young Investigator Award	2006
NIH Mentored Research Scientist Development Award (K01)	2006-2011
Klingenstein Third Generation Foundation Postdoctoral Fellowship	2003
Bassell Award, University of Pittsburgh Clinical Psychology Program	2002
Scholarship Recipient, Cold Spring Harbor Laboratory course	2002
Travel Award Recipient, Wisconsin Symposium on Emotion	2001, 1999
Fellow, McDonnell Summer Institute in Cognitive Neuroscience	2000
National Science Foundation Graduate Research Fellowship	1997
A.B. Magna cum Laude, Harvard University	1991

PUBLICATIONS

1. Refereed articles

1. Miller A, Fox NA, Cohn JF, **Forbes EE**, Sherrill JT, Kovacs M. Regional patterns of brain activity in adults with a history of childhood-onset depression: Gender differences and clinical variability. *Am J Psychiatry*. 2002 Jun;159(6):934-40.
2. **Forbes EE**, Cohn JF, Allen NB, Lewinsohn PM. Infant affect during parent-infant interaction at 3 and 6 months: Differences between mothers and fathers and influence of parent history of depression. *Infancy*. 2004;5:61-84.

3. **Forbes EE**, Williamson DE, Ryan ND, Dahl RE. Positive and negative affect in depression: Influence of sex and puberty. *Ann N Y Acad Sci.* 2004 Jun;1021:341-7.
4. **Forbes EE**, Miller A, Cohn JF, Fox NA, Kovacs M. Affect-modulated startle in adults with childhood-onset depression: relations to bipolar course and number of lifetime depressive episodes. *Psychiatry Res.* 2005 Mar 30;134(1):11-25.
5. Williamson DE, **Forbes EE**, Dahl RE, Ryan ND. A genetic epidemiologic perspective on comorbidity of depression and anxiety. *Child Adolesc Psychiatr Clin N Am.* 2005 Oct;14(4):707-26, viii.
6. **Forbes EE**, Williamson DE, Ryan ND, Birmaher B, Axelson DA, Dahl RE. Peri-sleep-onset cortisol levels in children and adolescents with affective disorders. *Biol Psychiatry.* 2006 Jan 1;59(1):24-30.
7. **Forbes EE**, Shaw DS, Fox NA, Cohn JF, Silk JS, Kovacs M. Maternal depression, child frontal asymmetry, and child affective behavior as factors in child behavior problems. *J Child Psychol Psychiatry.* 2006 Jan;47(1):79-87.
8. Silk JS, Shaw DS, **Forbes EE**, Lane TL, Kovacs M. Maternal depression and child internalizing: the moderating role of child emotion regulation. *J Clin Child Adolesc Psychol.* 2006 Feb;35(1):116-26.
9. **Forbes EE**, Fox NA, Cohn JF, Galles SF, Kovacs M. Children's affect regulation during a disappointment: psychophysiological responses and relation to parent history of depression. *Biol Psychol.* 2006 Mar;71(3):264-77.
10. **Forbes EE**, May JC, Siegle GJ, Ladouceur CD, Ryan ND, Carter CS, Birmaher B, Axelson DA, Dahl RE. Reward-related decision-making in pediatric major depressive disorder: an fMRI study. *J Child Psychol Psychiatry.* 2006 Oct;47(10):1031-40.
11. **Forbes EE**, Shaw DS, Dahl RE. Alterations in reward-related decision making in boys with recent and future depression. *Biol Psychiatry.* 2007 Mar 1;61(5):633-9.
12. Silk JS, Vanderbilt-Adriance E, Shaw DS, **Forbes EE**, Whalen DJ, Ryan ND, Dahl RE. Resilience among children and adolescents at risk for depression: Mediation and moderation across social and neurobiological contexts. *Dev Psychopathol.* 2007 Summer;19(3):841-65.
13. Manuck SB, Brown SM, **Forbes EE**, Hariri AR. Temporal stability of individual differences in amygdala reactivity. *Am J Psychiatry.* 2007 Oct;164(10):1613-4.
14. Silk JS, Dahl RE, Ryan ND, **Forbes EE**, Axelson DA, Birmaher B, Siegle GJ. Pupillary reactivity to emotional information in child and adolescent depression: links to clinical and ecological measures. *Am J Psychiatry.* 2007 Dec;164(12):1873-80.
15. Dillman Carpentier F, Brown JD, Bertocci M, Silk JS, **Forbes EE**, Dahl RE. Sad kids, sad media? Applying mood management theory to depressed adolescents' use of media. *Media Psychol.* 2008 Jan;11(1): 143-166.
16. **Forbes EE**, Bertocci MA, Gregory AM, Ryan ND, Axelson DA, Birmaher B, Dahl RE. Objective sleep in pediatric anxiety disorders and major depressive disorder. *J Am Acad Child Adolesc Psychiatry.* 2008 Feb;47(2):148-55.
17. **Forbes EE**, Shaw DS, Silk JS, Feng X, Cohn JF, Fox NA, Kovacs M. Children's affect expression and frontal EEG asymmetry: transactional associations with mothers' depressive symptoms. *J Abnorm Child Psychol.* 2008 Feb;36(2):207-21.
18. Whalen DJ, Silk JS, Semel M, **Forbes EE**, Ryan ND, Axelson DA, Birmaher B, Dahl RE. Caffeine consumption, sleep, and affect in the natural environments of depressed youth and healthy controls. *J Pediatr Psychol.* 2008 May;33(4):358-67.
19. Liu X, **Forbes EE**, Ryan ND, Rofey D, Hannon TS, Dahl RE. Rapid eye movement sleep in relation to overweight in children and adolescents. *Arch Gen Psychiatry.* 2008 Aug;65(8):924-32.

20. **Forbes EE**, Brown SM, Kimak M, Ferrell RE, Manuck SB, Hariri AR. Genetic variation in components of dopamine neurotransmission impacts ventral striatal reactivity associated with impulsivity. *Mol Psychiatry*. 2009 Jan;14(1):60-70.
21. **Forbes EE**, Hariri AR, Martin SL, Silk JS, Moyles DL, Fisher PM, Brown SM, Ryan ND, Birmaher B, Axelson DA, Dahl RE. Altered striatal activation predicting real-world positive affect in adolescent major depressive disorder. *Am J Psychiatry*. 2009 Jan;166(1):64-73.
22. * Holm SM, **Forbes EE**, Ryan ND, Phillips ML, Tarr JA, Dahl RE. Reward-related brain function and sleep in pre/early pubertal and mid/late pubertal adolescents. *J Adolesc Health*. 2009 Oct;45(4):326-34.
23. **Forbes EE**, Ryan ND, Phillips ML, Manuck SB, Worthman CM, Moyles DL, Tarr JA, Sciarrillo SR, Dahl RE. Healthy adolescents' neural response to reward: Associations with puberty, positive affect, and depressive symptoms. *J Am Acad Child Adolesc Psychiatry*. 2010 Feb;49:162-72.
24. **Forbes EE**, Olinio TM, Ryan ND, Birmaher B, Axelson D, Moyles DL, Dahl RE. Reward-related brain function as a predictor of treatment response in adolescents with major depressive disorder. *Cogn Affect Behav Neurosci*. 2010 Mar;10(1):107-18.
25. Schlund M, Siegle GJ, Ladouceur CD, Silk JS, Cataldo MF, **Forbes EE**, Dahl RE, Ryan ND. Nothing to fear? Neural systems supporting avoidance behavior in healthy youths. *NeuroImage*. 2010 Aug 15;52(2):710-9.
26. Bramen J, Hranilovich J, Dahl R, **Forbes E**, Toga A, Dinov I, Worthman C, Sowell E. Puberty influences medial temporal lobe and cortical gray matter maturation differently in boys than girls matched for sexual maturity. *Cereb Cortex*. 2011. Mar;21(3):636-46.
27. **Forbes EE**, Hariri AR, Phillips ML, Ryan ND, Dahl RE. Neural systems of threat processing in adolescents: role of pubertal maturation and relation to measures of negative affect. *Dev Neuropsychol*. 2011. May;36(4):429-52.
28. Schlund MW, Cataldo MF, Siegle GJ, Ladouceur CD, Silk JS, **Forbes EE**, Dahl RE, Ryan ND. Pediatric functional magnetic resonance neuroimaging: tactics for encouraging task compliance. *Behav Brain Funct*. 2011 May 6;7:10.
29. Silk JS, **Forbes EE**, Whalen DJ, Jakubcak JL, Thompson WK, Ryan ND, Axelson DA, Birmaher B, Dahl RE. Daily emotional and social dynamics in depressed youth: A cell-phone ecological momentary assessment study. *J Exp Child Psychol*. 2011 Oct;110(2):241-57.
30. Cousins JC, Whalen DJ, Dahl RE, **Forbes EE**, Olinio TM, Ryan ND, Silk JS. The bi-directional association between daytime affect and nighttime sleep in youth with anxiety and depression. *J Pediatr Psychol*. 2011 Oct;36(9):969-79.
31. Gregory AM, Cousins JC, **Forbes EE**, Trubnick L, Ryan ND, Axelson DA, Birmaher B, Sadeh A, Dahl RE. Sleep items in the Child Behavior Checklist: A comparison with sleep diaries, actigraphy and polysomnography. *J Am Acad Child Adolesc Psychiatry*. 2011 May;50(5):499-507.
32. Olinio TM, McMakin DL, Dahl RE, Ryan ND, Silk JS, Birmaher B, Axelson DA, **Forbes EE**. "I won, but I'm not getting my hopes up": Depression moderates the relationship between outcomes and reward anticipation. *Psychiatry Res: Neuroimaging*. 2011 Dec 30;194(3):393-5.
33. Whittle S, Yücel M, **Forbes EE**, Davey CG, Harding IH, Sheeber L, Yap MBH, Allen NB. Adolescents' depressive symptoms moderate neural responses to their mothers' positive behavior. *Soc Cogn Affect Neurosci*. 2012 Jan;7(1):23-34.
34. Tan PZ, **Forbes EE**, Dahl RE, Ryan ND, Siegle GS, Ladouceur CD, Silk JS. Emotional reactivity and regulation in anxious and non-anxious youth: A cell-phone ecological momentary assessment study. *J Child Psychol Psychiatry*. 2012 Feb;53(2):197-206.

35. Feng X, **Forbes EE**, Kovacs M, George CJ, Lopez-Duran NL, Fox NA, Cohn JF. Children's depressive symptoms in relation to EEG frontal asymmetry and maternal depression. *J Abnorm Child Psychol.* 2012 Feb;40(2):265-76.
36. **Forbes EE**, Dahl RE, Almeida JRC, Ferrell RE, Nimgaonkar VL, Mansour H, Sciarrillo SR, Holm SM, Rodriguez EE, Phillips ML. *PER2 rs2304672* Polymorphism moderates circadian-relevant reward circuitry activity in adolescents. *Biol Psychiatry.* 2012 Mar 1;71(5):451-7.
37. **Forbes EE**, Stepp SD, Dahl RE, Ryan ND, Whalen D, Axelson DA, Birmaher B, Silk JS. Real-world affect and social context as predictors of treatment response in child and adolescent depression and anxiety: An ecological momentary assessment study. *J Child Adolesc Psychopharmacol.* 2012 Feb;22(1):37-47.
38. Nusslock R, Almeida JRC, **Forbes EE**, Versace A, LaBarbara EJ, Klein CR, Phillips ML. Waiting to win: Elevated striatal and orbitofrontal cortical activity during reward anticipation in euthymic bipolar adults. *Bipolar Disord.* 2012 May;14(3):249-60
39. Bramen JE, Hranilovich JA, Dahl RE, Rosso C, Chen JE, **Forbes EE**, Toga AW, Dinov ID, Sowell ER. Sex matters during adolescence: Testosterone-related cortical thickness maturation differs between boys and girls. *PLoS ONE.* 2012;7(3).
40. Morgan JK, Olino TM, McMakin DL, Ryan ND, **Forbes EE**. Neural response to reward as a predictor of rise in depressive symptoms in adolescence. *Neurobiol Dis.* 2013 Apr;52:66-74.
41. Hasler BP, Dahl RE, Holm SM, Jakubcak JL, Ryan ND, Silk J, Phillips ML, **Forbes EE**. Weekend-weekday advances in sleep timing are associated with altered reward-related brain function in healthy adolescents. *Biol Psychol.* 2012 Dec;91(3):334-41.
42. Mullin BC, Phillips ML, Siegle GJ, Buysse DJ, **Forbes EE**, Franzen PL. Sleep deprivation amplifies striatal activation to monetary reward. *Psychol Med.* 2013 Jan;4:1-11.
43. Troxel WM, Trentacosta C, **Forbes EE**, Campbell SB. Negative emotionality moderates associations among attachment, sleep in toddlerhood, and later problem behaviors. *J Fam Psychol.* 2013 Feb; 27(1):127-36.
44. Silk JS, Sheeber L, Tan PZ, Ladouceur CD, **Forbes EE**, McMakin DL, Dahl RE, Siegle GJ, Kendall PC, Mannarino A, Ryan ND. "You can do it!": The role of parental encouragement of bravery in child anxiety treatment. *J Anxiety Disord.* 2013 Jun;27(5):439-46.
45. Morgan JK, Shaw DS, **Forbes EE**. Physiological and behavioral engagement in social contexts as predictors of adolescent depressive symptoms. *J Youth Adolesc.* 2013 Aug;42(8):1117-27.
46. Noone DM, Willis TA, Cox J, Harkness F, Ogilvie J, **Forbes E**, Sterr A, Gregory AM. Catastrophizing and poor sleep quality in early adolescent females. *Behav Sleep Med.* in press.
47. Bebek G, Bertocci MA, Fournier JC, Hinze AK, Bonar L, Almeida JRC, Perlman SB, Versace A, Schirda C, Travis M, Gill MK, Demeter C, Diwadkar VA, Ciuffetelli G, Rodriguez E, Olino T, **Forbes E**, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Arnold LE, Fristad MA, Youngstrom EA, Findling RL, Phillips ML. Parsing dimensional versus diagnostic category-related patterns of reward circuitry function in mood dysregulated youth in the Longitudinal Assessment of Manic Symptoms (LAMS) study. *JAMA Psychiatry.* in press.
48. Olino TM, Yu L, McMakin DL, **Forbes EE**, Seeley JR, Lewinsohn PM, Pilkonis PA. Comparisons across depression assessment instruments in adolescence and young adulthood: An Item Response Theory study using two linking methods. *J Abnorm Child Psychol.* in press.
49. Chase HW, Nusslock R, Almeida JRC, **Forbes EE**, LaBarbara E, Phillips ML. Dissociable patterns of abnormal frontal cortical activation during anticipation of an uncertain reward or loss in bipolar versus major depression. *Bipolar Disord.* In press.
50. Hasler BP, Shaw DS, Sitnick S, **Forbes EE**. An altered neural response to reward may contribute to alcohol problems among late adolescents with an evening chronotype. *Psychiatry Res: Neuroimaging.* In press.

51. Morgan JK, Shaw DS, **Forbes EE**. Maternal depression and warmth during childhood predict age 20 neural response to reward. *J Am Acad Child Adolesc Psychiatry*. In press.
52. Sweitzer MM, Geier CF, Joel DL, McGurrin P, Denlinger R, **Forbes EE**, Donny E. Dissociated effects of anticipating smoking versus monetary reward in the caudate as a function of smoking abstinence. *Biol Psychiatry*. In press.

*first author was a medical student trainee engaged in a mentored research project

2. Reviews, Invited Published Papers, Proceedings, Books, and Book Chapters

Reviews

1. **Forbes EE**, Dahl RE. Neural systems of positive affect: Relevance to understanding child and adolescent depression? *Dev Psychopathol*. 2005 Summer;17:827-50.
2. **Forbes EE**, Dahl RE. Pubertal development and behavior: hormonal activation of social and motivational tendencies. *Brain Cogn*. 2010 Feb;72(1):66-72.
3. **Forbes EE**, Dahl RE. Altered reward function in adolescent depression: What, when, and how? *J Child Psychol Psychiatry* 2012 Jan;53(1):3-15.
4. Silk JS, Davis S, McMakin DL, Dahl RE, **Forbes EE**. Why do anxious children become depressed teenagers? The role of social evaluative threat and reward processing. *Psychol Med*. 2012 Feb 17:1-13.
5. Farris C, Akers AY, Downs JS, **Forbes EE**. Translational research applications for the study of adolescent sexual decision making. *Clin Transl Sci*. 2013 Feb; 6(1):78-81.

Invited Reviews and Editorials

1. **Forbes EE**. Where's the fun in that? Broadening the focus on reward function in depression. *Biol Psychiatry*. 2009 Aug 1;66(3):199-200. (invited editorial).
2. **Forbes EE**. fMRI Studies of Reward Processing in Adolescent Depression. *Neuropsychopharmacology*. 2011 Jan;36(1)372-3. (invited review).

Book Chapters

1. Hariri AR, **Forbes EE** (2007). Genetics of emotion regulation. In J. Gross (Ed.), *Handbook of emotion regulation* (pp. 110-132). New York: Guilford.
2. Viding E, Williamson DE, **Forbes EE**, Hariri AR. (2008). Developmental imaging genetics: Challenges and promises for translational research. In C. Nelson (Ed.), *Handbook of developmental cognitive neuroscience*, 2nd ed. Cambridge, MA: MIT.
3. **Forbes EE**, Silk JS, Dahl RE. (2009). Neurobiological processes in depressive disorders: Links with adolescent brain development. In N. B. Allen & L. Sheeber (Eds.), *Adolescent emotional development and the emergence of depressive disorders* (pp. 116-134). Cambridge, England: Cambridge.
4. Hariri AR, **Forbes EE**, Bigos KL. (2009). Genetics of corticolimbic function and emotional reactivity. In T. Goldberg & D. Weinberger (Eds.), *The genetics of cognitive neuroscience* (pp. 145-158). Cambridge, MA: MIT.
5. **Forbes EE** (2009). Neural systems of reward. In R. Ingram (Ed.), *International encyclopedia of depression* (pp. 408-410). New York: Springer.

6. Siegle GJ, **Forbes EE**, Silk JS. (2013). Positive affect systems in depression: The road less traveled. In J. Gruber & J. Moskowitz (Eds.), *Positive Emotion: The Light Sides and Dark Sides*. New York: Oxford.

3. **Published Abstracts**

*denotes published abstract (below)

Proceedings of Conferences and Symposia

Posters Presented

1. **Forbes EE**, Zlochower AJ, Cohn JF. (1998, April). Infant affect at 10 months: The influences of infant affective stability, maternal mood, and maternal affective behavior. Poster presented at the International Conference on Infant Studies, Atlanta, GA.
2. **Forbes EE**, Cohn JF, Moore GA, Allen N, Liu D, Jankel C. (1999, April). Mothers' and fathers' personality and their affective behaviors during parent-infant play. Poster presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.
3. Jankowski M, **Forbes EE**, Cohn JF. (1999, April). Infants' affective behavior during face-to-face interactions with mothers and fathers. Poster presented at the Laurel Highlands Undergraduate Research Conference, Johnstown, PA.
4. *Liu D, Cohn JF, **Forbes EE**, Balik JM. (1999, October). Vagal tone varies with emotion valence and depression. Poster presented at the annual meeting of the Society for Psychophysiological Research, Granada, Spain.
5. **Forbes EE**, Moore GA, Cohn JF, Allen N, Lewinsohn PM. (2000, April). Parent affect: differences between mothers and fathers, relation to trait emotion, and determinants. Poster presented at the biennial meeting of the Greater Pittsburgh Psychological Association, Pittsburgh, PA.
6. **Forbes EE**, Cohn JF, Lewinsohn PM, Moore GA. (2000, July). Mother-father differences in parent and infant affect during face-to-face interaction. Poster presented at the International Conference on Infant Studies, Brighton, England.
7. ***Forbes EE**, Miller A, Monaco V, LeMenager MS, Cohn JF, Fox NA, Kovacs M. (2000, October). Affective startle blink magnitude in relation to history of childhood-onset depression. Poster presented at the annual meeting of the Society for Psychophysiological Research, San Diego, CA.
8. *Keener AD, Monaco V, LeMenager MS, **Forbes EE**, Peters BA, Cohn JF, Fox NA, Kovacs M. (2000, October). Electroencephalographic asymmetry in adults with a history of childhood-onset depression. Poster presented at the annual meeting of the Society for Psychophysiological Research, San Diego, CA.
9. **Forbes EE**, Miller A., Cohn JF. (2001, April). Patterns of EEG asymmetry, problem behavior, and emotion expression in children of parents with childhood-onset depression. Poster presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.
10. **Forbes EE**, Williamson D, Ryan ND, Dahl RE. (2003, September). Positive and negative affect in depression: Influence of sex and puberty. Poster presented at the New York Academy of Sciences Conference on Adolescent Brain Development, New York, NY.
11. ***Forbes EE**, Fox NA, Cohn JF, Galles SG. (2003, October). Children's emotion regulation during a disappointment: Frontal EEG asymmetry, vagal tone, and heart period in relation to behavior and risk for depression. Poster presented at the annual meeting of the Society for Psychophysiological Research, Chicago, IL.

12. ***Forbes EE**, Williamson D, Ryan ND, Dahl RE. (2004, April). Sleep-onset cortisol in childhood depression and childhood anxiety. Poster presented at the annual meeting of the Society of Biological Psychiatry, New York, NY.
13. **Forbes EE**, Shaw DS, Cohn JF, Fox NA, Gesselman T. (2005, April). Do children's emotion regulation characteristics influence change in mothers' depressive and anxiety symptoms? Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
14. *Moses-Kolko EL, Wisner KL, Berga SL, Grace AA, Price J, Mathis C, **Forbes EE**, Confer AL, Meltzer, C. C. (2005, May). [C-11]raclopride-PET measurement of CNS D2 receptor binding is altered in postpartum depressed women. Poster presented at the annual meeting of the Society of Biological Psychiatry, Atlanta, GA.
15. ***Forbes EE**, Shaw DS, Dahl RE. (2006, May). Reward-related decisions in boys with depressive and anxiety disorders. Poster presented at the annual meeting of the Society of Biological Psychiatry, Toronto, ON.
16. ***Forbes EE**, Silk JS, Axelson DA, Bertocci M, Ryan ND, Dahl RE. (2006, May). Positive affect in children and adolescents with major depressive disorder: An experience sampling approach. Poster presented at the annual meeting of the Society of Biological Psychiatry, Toronto, ON.
17. **Forbes EE**, Bertocci MA., Kane IL, Ryan ND, Birmaher B, Axelson DA, Dahl RE. (2007, March-April). Objective and subjective sleep quality in young people with anxiety and depression. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
18. **Forbes EE**, Hariri AR, Martin SL, Brown SM, Fisher PM, Silk JS, Ryan ND, Dahl RE. (2007, December). Brain activation to reward predicting real-world positive affect is altered in early-onset major depressive disorder. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Boca Raton, FL.
19. ***Forbes EE**, Hariri AR, Fiez JA, Ryan ND, Manuck SB, Brown SM, Tarr J, Walser E, Moyles DL, Dahl RE. (2008, May). Development of reward-related brain function from childhood to adulthood: A cross-sectional study. Poster presented at the Annual Meeting of the Society of Biological Psychiatry, Washington, DC.
20. Bertocci MA, Silk JS, **Forbes EE**, Carpentier F, Klein RD, Dahl RE. (2008, August). Media use in children and adolescents with and without psychopathology. Poster presented at the annual convention of the American Psychological Association, Boston, MA.
21. Trentacosta CJ, Troxel WM, **Forbes EE**, Campbell SB. (2008, August). Distal and proximal social influences on sleep problems in toddlers. Poster presented at the Annual Convention of the American Psychological Association, Boston, MA.
22. **Forbes EE**, Bramen J, Sowell ER, Dahl RE. (2008, December). Development of brain structure and reward-related brain function during adolescence: Associations with sexual maturation and reproductive hormones. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Scottsdale, AZ.
23. ***Forbes EE**, Phillips ML, Ryan ND, Moyles DL, Tarr JA, Dahl RE. (2009, May). Threat-related brain function in adolescents: Effects of pubertal maturation and relation to subjective negative affect and depressive symptoms. Poster presented at the annual meeting of the Society of Biological Psychiatry, Vancouver, BC.
24. *Nusslock R, Almeida J, **Forbes EE**, Phillips ML. (2009, May). Increased right ventrolateral prefrontal cortical activity during reward anticipation in euthymic bipolar adults. Poster presented at the annual meeting of the Society of Biological Psychiatry, Vancouver, BC.

25. *Olino TM, Dahl RE, Ryan ND, Birmaher B, Axelson DA, **Forbes EE**. (2009, May). Depressed adolescents' neural response to reward anticipation after monetary wins and losses. Poster presented at the annual meeting of the Society of Biological Psychiatry, Vancouver, BC.
26. Gregory AM, Hasler J, **Forbes EE**, Trubnick L, Ryan ND, Axelson DA, Birmaher B, Sadeh A, Dahl RE. (2009, June). Sleep items in the Child Behavior Checklist: A comparison with sleep diaries, actigraphy and polysomnography in a sample of anxious, depressed, and control youth. Poster presented at the annual meeting of the Associated Professional Sleep Societies, Seattle, WA.
27. Holm SM, **Forbes EE**, Ryan ND, Dahl RE. (2009, June). Pubertal maturation, reward-related brain function, and sleep in adolescents. Poster presented at the annual meeting of the Associated Professional Sleep Societies, Seattle, WA.
28. ***Forbes EE**, Allen NB, Sheeber LB. (2009, October). A novel paradigm for examining adolescents' neural response to parents' affect. Poster presented at the 49th Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.
29. *Olino TM, Dahl RE, Ryan ND, Johnston A, Birmaher B, Axelson D, **Forbes EE**. (2009, October). Reward anticipation following monetary gain and loss in depressed and healthy youth. Poster presented at the 49th Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.
30. *Nusslock CR, Almeida JR, **Forbes EE**, Versace A, LaBarbara EJ, Klein C, Phillips ML. (2009, October). Right ventrolateral prefrontal cortical activity is increased during reward anticipation in euthymic bipolar adults. Poster presented at the 49th Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.
31. Bramen JE, Hranilovich JA, Dahl RE, Dinov I, **Forbes EE**, Toga AW, Sowell ER. (2009, June). Testosterone levels predict cortical thinning in peripubertal boys and girls and cortical thickening of primary sensory and limbic structures in boys. Poster presented at the 15th Annual Meeting of the Organization of Human Brain Mapping, San Francisco, CA.
32. *Olino TM, McMakin DL, Dahl RE, Ryan ND, Silk JS, Birmaher B, Axelson, D., **Forbes EE**. (2010, May). Altered reward anticipation in youth at-risk for depression following winning, losing, and neutral outcomes. Poster presented at the annual meeting of the Society of Biological Psychiatry, New Orleans, LA.
33. *Travis MJ, **Forbes EE**, Mason NS, Almeida J, Batezati S, Velasquez N, Rodriguez E, Frankle G, Narendran R, Phillips ML. (2010, May). Combining an fMRI-based reward processing task and C11-Raclopride PET to identify the role of ventral striatal dopaminergic mechanisms in reward processing: Preliminary data. Poster presented at the annual meeting of the Society of Biological Psychiatry, New Orleans, LA.
34. ***Forbes EE**, Phillips ML, Ferrell RE, Nimgaonkar VL, Mansour H, Sciarrillo SR, Dahl RE. (2010, May). Per2 Genotype and Circadian-Related Neural Response to Reward in Adolescents. Poster presented at a special *Late Breaking Abstracts* session at the annual meeting of the Society of Biological Psychiatry, New Orleans, LA.
35. Morgan JK, Shaw D, **Forbes EE**. (2010, October). Role of RSA reactivity and social withdrawal as risk factors in the development of depression in high-risk boys. Poster presented at the annual meeting of the Society for Research in Psychopathology, Seattle, WA.
36. **Forbes EE**, Olino TM, Ryan ND, Birmaher B, Axelson DA, Moyles DL, Dahl RE. (2010, November). Reward-related brain function as a predictor of treatment response in adolescents with depression. Poster presented at the annual meeting of the Association of Behavioral and Cognitive Therapies, San Francisco, CA.
37. Travis MJ, **Forbes E**, Mason NS, Almeida J, Batezati S, Velasquez N, Rodriguez E, Frankle WG, Narendran R, Phillips ML. (2010, December). Elucidating functional relationships between

- ventral striatal dopamine release and prefrontal cortical-striatal activity in human reward circuitry with fMRI and [11C]raclopride PET: Preliminary data. Poster presented at the American College of Neuropsychopharmacology, Miami, FL.
38. **Forbes EE**, Ryan ND, Ferrell RE, Phillips ML, Rodriguez EE, Holm SM, Dahl RE. (2010, December). Dopamine D2 receptor C957T polymorphism influences reward-related brain function relevant to sensation seeking in healthy adolescents. Poster presented at the American College of Neuropsychopharmacology, Miami, FL.
 39. Feng X, **Forbes EE**, Kovacs M, George CJ, Lopez NL, Fox NA, Cohn JF. (2011, March). Children's depressive symptoms in relation to frontal EEG asymmetry and maternal depression. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
 40. Holm SM, Dahl RE, Worthman C, Phillips ML, Ryan N, Tarr JA, Kustra TA, Worthman C, **Forbes EE**. (2011, March). Rebel with a cause: Brain activation associated with testosterone levels may explain increased sensation seeking in adolescents. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
 41. Olino TM, McMakin DL, Nicely TE, **Forbes EE**, Silk JS, Dahl RE. (2011, March). Affective displays in mother-child interactions and development of adolescent depressive symptoms over eighteen months. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
 42. Tan PZ, Dahl RE, **Forbes EE**, Ryan N, Siegle GJ, Silk JS. (2011, March). Comparing the emotion regulation of anxious and non-anxious youth in their home environments. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
 43. Dominick A, Shaw DS, Sitnick S, **Forbes EE**. (2011, May). Neural response to reward in young men with cannabis use disorders. Poster presented at the annual meeting of the Society of Biological Psychiatry, San Francisco, CA.
 44. **Forbes EE**, Rodriguez EE, Hariri AR, Keating P, Himes M, Narendran R. (2011, May). Alcohol dependence: Altered neural response to monetary reward? Poster presented at the annual meeting of the Society of Biological Psychiatry, San Francisco, CA.
 45. Olino TM, **Forbes EE**. (2011, December). Neural response to monetary reward in depression: a meta-analysis. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Waikoloa, HI.
 46. Hasler BP, Sitnick SL, Shaw DS, **Forbes EE**. (2012, May). Late adolescents who are evening chronotypes display behavioral and psychological dysregulation, sleep disturbance, and altered reward-related brain function. Poster presented at the 67th Annual Scientific Convention & Meeting of the Society of Biological Psychiatry, Philadelphia, PA.
 47. Hasler BP, Shaw DS, Sitnick SL, **Forbes EE**. (2012, June). Late adolescents with an evening chronotype display behavioral and psychological dysregulation, sleep disturbance, and altered reward-related brain function. *Sleep*, 35, A332, 2012. Poster presented at the 26th Annual Meeting of the Associated Professional Sleep Societies, Boston, MA.
 48. Hasler BP, Sitnick SL, Shaw DS, **Forbes EE**. (2012, June). Late adolescents with an evening chronotype exhibit both increased alcohol dependence and altered reward-related brain function. *Alcoholism Clinical & Experimental Research*, 36(6) Supplement, 46A, 2012. Poster presented at the 35th Annual Scientific Meeting of the Research Society on Alcoholism, San Francisco, CA.
 49. Sweitzer MM, Geier CF, Joel D, McGurrin P, Denlinger R, **Forbes EE**, Donny EC. (2012, October). Dissociated effects of anticipation of smoking versus monetary reward in the striatum as a function of abstinence. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.

50. **Forbes EE**, Healey KL, Olino TM, Coffman E. (2012, December). Anhedonia and neural response to reward in adolescents. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Hollywood, FL.
51. McMakin DL, Silk JS, Olino TM, Dahl RE, Lee KH, **Forbes EE**, Ryan ND, Siegle GJ. (2012, December). Depressed adolescents show less enhancement of positive affect and weaker fronto-striatal connectivity while recalling a positive experience. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Hollywood, FL.
52. Morgan JK, Shaw DS, **Forbes EE**. (2013, May). Maternal depression and warmth during childhood predict neural response to reward. Poster presented at the Society for Biological Psychiatry Annual Meeting, San Francisco, California.
53. Hoffman AM, McAloon RL, Keenan KE, Guyer AE, Hipwell A, Musselman SC, Casement M, **Forbes EE**. (2013, May). Proximal life stress and personality affect reward processing in adolescents. Poster presented at the 25th annual convention of the Association for Psychological Science, Washington, DC.
54. McAloon RL, Hoffman AM, Keenan KE, Guyer AE, Hipwell A, Musselman SC, Casement M, **Forbes EE**. (2013, May). Relevance of life stress and socioeconomic status in predicting adolescent reward processing. Poster presented at the 25th annual convention of the Association for Psychological Science, Washington, DC.
55. Morgan JK, Shaw DS, **Forbes EE**. (2013, June). Maternal depression and positive affect during childhood predict neural response to reward. Poster presented at the Biennial Meeting of the International Society for Research on Child and Adolescent Psychopathology, Leuven, Belgium.
56. Casement MD, Hasler BP, Shaw DS, Sitnick SL, Germain A, **Forbes EE**. (2013, June). Poor sleep quality predicts blunted processing of monetary reward and loss in the anterior cingulate cortex. Poster presented at the Twenty-seventh Annual Meeting of the Associated Professional Sleep Societies, Baltimore, MD.
57. Swanson MH, **Forbes E**, Germain A. (2013, June). Emotional numbing and brain glucose metabolism in reward-related structures during wake and REM sleep. Poster presented at the Twenty-seventh Annual Meeting of the Associated Professional Sleep Societies, Baltimore, MD.
58. Venable CM, Olino TM, McMakin DL, **Forbes EE**, Ryan ND, Dahl RE. (2013, June). Influence of developmental status and real world socio-emotional experiences on sleep patterns in adolescence. Poster presented at the Twenty-seventh Annual Meeting of the Associated Professional Sleep Societies, Baltimore, MD.
59. Romens SE, Keenan K, Hipwell A, Guyer AE, **Forbes EE**. (2013, September). Girls' exposure to life stress in childhood predicts neural response to reward in adolescence. Poster accepted for the 27th Annual Meeting of the Society for Research in Psychopathology, Oakland, CA.
60. Lee GE, Gilchrist DE, Morgan JK, **Forbes EE**, McMakin DL, Dahl RE, Ladouceur CD, Ryan ND, Silk JS. (2013, November). Positive peer interactions in anxious children: An ecological momentary study. Poster to be presented at the 47th annual Association for Behavioral and Cognitive Therapies Convention, Nashville, Tennessee.

Papers Delivered and Symposia

1. Cohn JF, Tian Y, **Forbes EE**, Ambadar Z. (2000, July). Automated recognition of videotaped, real-time facial actions among infants and their caregivers. In D. S. Messinger (Chair), *New perspectives on smiles and their role in positive emotions*. Paper presented at the International Conference on Infant Studies, Brighton, England.

2. Henderson HA, **Forbes EE**. (2001, April). Temperamental exuberance: A unique behavioral and affective profile in early childhood. In M. Gunnar (Chair), *Exuberant Kids: Frontal Lobe Functioning, Behavior Regulation, and Social Context*. Paper presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.
3. Fox NA, Cohn JF, Keener AD, **Forbes EE**. (2001, May). EEG asymmetry and vagal tone in childhood onset depression probands and offspring. In J. Kennedy M. Kovacs (Chairs), *Childhood Onset Depression: A Multigenerational, Multidisciplinary Study*. Paper presented at the Biennial Meeting of the American Psychiatric Association, New Orleans, LA.
4. Fox NA, Cohn JF, **Forbes EE**, Keener-Miller A. (2001, June). Psychophysiology of risk for childhood-onset depression. Paper presented at the International Society for Research in Child and Adolescent Psychopathology, Vancouver, BC, Canada.
5. ***Forbes EE**, Miller A, Cohn JF, Fox NA, Kovacs M. (2001, October). Affective startle modulation and childhood-onset depression. In N. B. Allen (Chair), *Affective and Attentional Startle Modulation in Depression*. Paper presented at the annual meeting of the Society for Psychophysiological Research, Montreal, Quebec, Canada.
6. **Forbes EE**, Galles SG. (2003, April). Emotion regulation in children at risk for depression: Physiology and behavior at rest and during a disappointment. In P. Hastings (Chair), *New Approaches to Understanding the Psychophysiology of Emotional Development*. Paper presented at the biennial meeting of the Society for Research in Child Development, Tampa, Florida.
7. Fox NA, **Forbes EE**, Cohn JF, Miller A, Keich Y, Kovacs M. (2003, April). Frontal EEG asymmetry in the children of women with childhood onset depression: Effects on social behavior. In L. Sheeber (Chair), *Affect Regulation in Youth Experiencing or At-Risk for Emotional Disorders*. Paper presented at the biennial meeting of the Society for Research in Child Development, Tampa, Florida.
8. ***Forbes EE**, Shaw DS, Fox NA, Cohn JF, Silk JS. (2004, October). Maternal depression, child frontal EEG asymmetry, and mother-child affective behavior as factors in child behavior problems. In M. Miller (Chair), *Developmental Psychophysiology: Temperamental and Parental Contributions to the Development of Emotion Regulation and Internalizing and Externalizing Psychopathology*. Paper presented at the annual meeting of the Society for Psychophysiological Research, Santa Fe, NM.
9. *Siegle GJ, Silk JS, **Forbes EE**, Steinhauer SR, Dahl RE., Carter CS, Thase ME. (2004, October). Sustained pupil dilation to emotional information in depression: Developmental and mechanistic considerations. Paper presented at the annual meeting of the Society for Psychophysiological Research, Santa Fe, NM.
10. **Forbes EE**. (2005, September). Unusual reward processing in child and adolescent depression: Behavioral and fMRI evidence, and relevance to treatment. Paper presented at the biennial meeting of the Child Depression Consortium, Pittsburgh, PA.
11. **Forbes EE**, Bertocci M, Axelson DA, Dahl RE. (2006, April). Contributions of cortisol and REM sleep characteristics to recurrence and comorbid disorders in adolescents with Major Depressive Disorder. Paper presented at the biennial meeting of the Society for Research in Adolescence, San Francisco, CA.
12. **Forbes EE**, Shaw DS, George CJ, Lane T, Silk JS, Fox NA. (2007, March-April) Frontal EEG asymmetry, child affective behavior, and mother affective behavior: Contributions to children's internalizing problems. In L. Leve and D. S. Shaw (Chairs), *Integrating Biological and Environmental Perspectives on Internalizing Problems in Young Children*. Paper presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
13. **Forbes EE**, Silk JS, Dahl RE. (2007, March-April) Adolescent depression: The role of brain development in systems related to affect regulation In L. Sheeber and N. B. Allen (Chairs),

- Adolescent Emotional Development and the Emergence of Depressive Disorders*. Paper presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
14. Silk JS, **Forbes EE**, Whalen DJ, Bertocci MA, Prout J, Dahl RE. (2007, March-April). Daily emotional and social experience in child and adolescent depression: An ecological momentary assessment study. In J. S. Silk (Chair), *Daily Emotions and Activities: An Ecological Momentary Assessment Approach to Understanding Child Depressive Symptoms* Paper presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
 15. **Forbes EE**. (2007, September). fMRI investigation of reward processing and threat processing in young people with depression and anxiety. Paper presented at the biennial meeting of the Child Depression Consortium, Pittsburgh, PA.
 16. ***Forbes EE**, Brown SM, Martin SL, Hariri AR. (2007, October). Functional neuroimaging of fear circuitry in young people with depression or anxiety. In E. B. McClure (Chair), *The Role of the Amygdala in Social/Emotional Cognition Across Development*. Paper presented at the meeting of the Society for Psychophysiological Research, Savannah, GA.
 17. Silk JS, Siegle GJ, Dahl RE, Ryan ND, **Forbes EE**, Fisher PM, Williamson DE, Birmaher B, Axelson DA, Hariri AR. (2008, March). From scanners to cell-phones: fMRI brain activity is linked to ecological momentary assessment of emotion in adolescent daily life. In J. S. Silk (Chair), *Advances in Measuring Emotion Regulation in Adolescence: Bridging Between the Neuroscience Lab and Adolescents' Real Worlds*. Paper presented at the biennial meeting of the Society for Research in Adolescence, Chicago, IL.
 18. **Forbes EE**, Allen NB, Sheeber LB. (2009, April). A novel fMRI paradigm for affect regulation: Adolescents' brain function in response to parents' affect. In C. S. Monk (Chair), *New Research Directions in the Neuroscience of Developmental Psychopathology*. Paper presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
 19. **Forbes EE** (2009, April). Chair, *Reward Processing and Adolescent Psychopathology: Perspectives from Affective Neuroscience*. Symposium presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
 20. Silk JS, Stepp SD, **Forbes EE**, Whalen D, Jakubcak JL, Ryan ND, Dahl RE. (2009, November). Real-World Social and Emotional Predictors of Treatment Response for Youth Anxiety and Depression: An Ecological Momentary Assessment Study. Paper presented at the 43rd ABCT Annual Convention, New York, NY.
 21. **Forbes EE**, Hariri AR, Ryan ND, Birmaher B, Axelson DA, Dahl RE. (2010, May). Reward function in adolescent depression: Brain, behavior, mood, and treatment response. In M. L. Phillips (Chair), *Abnormalities in Reward-Related Neural Circuitry in Mood Disorders*. Paper presented at the annual meeting of the Society of Biological Psychiatry, New Orleans, LA.
 22. Nusslock CR, Almeida JRC, **Forbes EE**, Versace A, LaBarbara EJ, Klein C, Phillips ML. (2010, May). Increased striatal activation during reward anticipation in euthymic bipolar adults. In M. L. Phillips (Chair), *Abnormalities in Reward-Related Neural Circuitry in Mood Disorders*. Paper presented at the annual meeting of the Society of Biological Psychiatry, New Orleans, LA.
 23. **Forbes EE**, Phillips ML, Ferrell RE, Nimgaonkar VL, Mansour H, Sciarrillo SR, Dahl RE. (2010, June). Per2 Genotype Impacts Reward-Related Brain Function associated with Circadian Characteristics in Adolescents. In *Late Breaking Abstracts*. Paper presented at the annual meeting of the Associated Professional Sleep Societies, San Antonio, TX.
 24. **Forbes EE**, Ryan ND, Birmaher B, Axelson DA, Dahl RE. (2010, November). Developmental psychopathology of reward function and depression. In IH Gotlib & J Joormann (Chairs), *Risk Factors for Mood Disorders in Children and Adolescents: Integrating Psychological and Biological Perspectives*. Paper presented at the annual meeting of the Association of Behavioral and Cognitive Therapies, San Francisco, CA.

25. **Forbes EE**, Holm SM, Gregory A, Ryan ND, Axelson DA, Birmaher B, Dahl RE. (2010, November). Sleep and the developmental psychopathology of affective disorders during adolescence. In CL Weiner (Chair), *Sleep and Internalizing Disorders in Children and Adolescents*. Paper presented at the annual meeting of the Association of Behavioral and Cognitive Therapies, San Francisco, CA.
26. **Forbes EE** (2011, March). *Imaging Genetics and Developmental Psychopathology: Findings Relevant to Antisocial Behavior, Autism, and Affective Disorders*. Symposium presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
27. **Forbes EE**, Phillips ML, Almeida JRC, Ferrell RE, Nimgaonkar V, Mansour H, Sciarillo SR, Dahl RE. (2011, March). PER2 genotype and circadian-related neural response to reward in adolescents. In EE Forbes (Chair), *Imaging Genetics and Developmental Psychopathology: Findings Relevant to Antisocial Behavior, Autism, and Affective Disorders*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
28. **Forbes EE**, Ryan ND, Ferrell RE, Phillips ML, Rodriguez EE, Holm SM, Dahl RE. (2011, March). Reward-related brain function in adolescents: Relation to puberty, sensation-seeking, and dopamine genes. In J Pfeifer (Chair), *Rewards, Risks, and Regulation in Adolescence: New Insights from Studies of Neural Changes Associated with Pubertal Maturation*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
29. Cousins JC, Whalen DJ, Dahl RE, **Forbes EE**, Olinio TM, Ryan N, Silk JS. (2011, March). The Bi-directional association between daytime affect and nighttime sleep in youth with anxiety and depression. In C Gillen-O'Neel (Chair), *When and Why Sleep is Important During Adolescence: Daily and Longitudinal Associations Between Sleep and Adolescent Adjustment*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
30. Hyde LW, Shaw D, Forbes EE, Hariri AR. (2011, March). The development of antisocial behavior: An imaging genetics approach to mapping biological mechanisms. In EE Forbes (Chair), *Imaging Genetics and Developmental Psychopathology: Findings Relevant to Antisocial Behavior, Autism, and Affective Disorders*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
31. Trentacosta CJ, Troxel WM, **Forbes EE**, Dahl RE, Campbell SB. (2011, March). Sleep in toddlers: Relation to infant attachment security and later mood and behavior problems. In M Weinraub (Chair), *Sleep Patterns and Correlates from Infancy through Adolescence*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
32. Whittle S, Yücel M, Davey CG, Harding I, **Forbes EE**, Sheeber L, Allen NB. (2011, March). Brain function, the family, and risk for adolescent onset depression. In JL Wiggins and E Murphy (Chairs), *The Social Neuroscience of Developmental Psychopathology*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
33. **Forbes EE**, Olinio TM, Ryan ND, Dahl RE. (2011, June). Developmental psychopathology of reward function and depression. In A Guyer (Chair), *Translation of Behavioral Endophenotypes for Intervention for Adolescent Depression*. Paper presented at the biennial meeting of the International Society for Research in Child and Adolescent Psychopathology, Chicago, IL.
34. **Forbes EE**, Olinio TM, Ryan ND, Birmaher B, Axelson DA, Dahl RE. (2011, August). Developmental psychopathology of reward function and depression: Implications for Treatment. In J Sherrill (Chair), *Treatment of Depression in Youth: A Developmental Psychopathology Perspective*. Paper presented at annual convention of the American Psychological Association, Washington, DC.
35. **Forbes EE**. (2011, September). Reward function in the development of depression. In R Nusslock (Chair), *Reward Function across Forms of Psychopathology: A Research-Domain Criteria*

(RDoC) Perspective. Paper presented at the annual meeting of the Society for Research in Psychopathology, Boston, MA.

36. **Forbes EE**, Kurapati N, Shaw DS. (2012, March). Neural aspects of positive affect in late adolescents with a history of depression: Ventral striatum connectivity during response to monetary reward. In D McMakin (Chair), *Developmental Trajectories of Positive Affect Systems and Reward-related Circuitry during Adolescence: A Focus on Risk for Depression*. Paper presented at the biennial meeting of the Society for Research on Adolescence, Vancouver, BC.
37. **Forbes EE**. (2012, March). Discussion: A neurobiological context for adolescents' experiences of positive events. In A Gentzler (Chair), *Why Adolescents' Experiences of Positive Events and Their Reactions to Them May Matter*. Paper presented at the biennial meeting of the Society for Research on Adolescence, Vancouver, BC.
38. **Forbes EE**. (2012, September). Reward function and the development, pathophysiology, and treatment of depression. Invited paper presented at the Developmental Affective Neuroscience Symposium, Pittsburgh, PA.
39. Morgan JK, Olino TM, McMakin DL, Ryan ND, **Forbes EE**. (2012, September). Neural response to reward as a predictor of increases in depressive symptoms in adolescence. Paper presented at the annual meeting of the Society for Research in Psychophysiology, New Orleans, LA.
40. **Forbes EE**. (2012, October). Depression and the adolescent brain: Ventral striatal connectivity in response to reward. In B Luna & S Ordaz (Organizers) and BJ Casey (Chair), *Cognitive Development: Structural and Functional Changes*. Paper presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.
41. **Forbes EE**, Healey KL, Olino TM, Musselman S, Schlund M, Pellen S. (2012, November). Caring about being liked: Adolescent depression and neural response to social reward. In D Bell (Chair), *Positive Affect in Youth Depression: Understanding Risk and Potential for Intervention*. Paper presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, MD.
42. **Forbes EE**, Morgan JK, Musselman S, Shaw DA. (2012, November). A long view of the dynamics of positive affect in adolescent depression: Social behavior, social physiology, and neural response to reward from age 10 to 20. In P Clasen (Chair), *Modeling emotional dynamics in depression*. Paper presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, MD.
43. Healey KL, Olino TM, Coffman EM, **Forbes EE**. (2012, December). Anhedonia and neural response to social reward in adolescents. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, Hollywood, FL.
44. Casement MD, **Forbes EE**, Shaw DS, Musselman S, Sitnick S. (2013, April). Life stress in adolescence is associated with reward function in the transition to adulthood. In EE Forbes (Chair), *Lasting connections between early social context and adolescent brain function: Longitudinal perspectives on brain-behavior associations*. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
45. Hyde LW, Shaw DS, **Forbes EE**, Manuck SB, Hariri AR. (2013, April). Amygdala reactivity as a marker of differential susceptibility to the environment. In M Pluess (Chair). *Mechanisms of differential susceptibility*. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
46. Olino TM, Durbin E, **Forbes EE**, Klein D. (2013, April). Positive emotionality and risk for depression: Evidence from behavioral and neurobiological indices. In *Is positive affect always a good thing?: Links to risk and resilience from both developmental and clinical perspectives*. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.

47. Sitnick SL, Brennan L, Russell E, Shaw DS, **Forbes EE**. (2013, April). Exploring risk factors for teen boys' involvement in pregnancy. Poster to be presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
48. Tan PZ, Lee KH, Dahl RD, Nelson EE, Stroud LJ, Siegle GJ, **Forbes EE**, Silk JS. (2013, April). Linking maternal negative affect with youths' neural responses to peer acceptance. In JS Silk (Chair), *The impact of familial Environments: Integrating Biological Influences on Emotion Reactivity and Psychopathology*. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
49. Whittle S, **Forbes EE**, Sheeber L, Yücel M, Simmons JG, Allen NBA. (2013, April). Emotional abuse is associated with altered amygdala processing of personally relevant social-emotional stimuli. In EE Forbes (Chair), *Lasting connections between early social context and adolescent brain function: Longitudinal perspectives on brain-behavior associations*. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
50. **Forbes EE**, Casement MD, Keenan KE, Guyer AE, Hipwell A. (2013, April). Girls' challenging social experiences in early adolescence predict neural response to reward at age 16. In EE Forbes (Chair), *Lasting connections between early social context and adolescent brain function: Longitudinal perspectives on brain-behavior associations*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
51. **Forbes EE**. (2013, April). Chair, *Lasting connections between early social context and adolescent brain function: Longitudinal perspectives on brain-behavior associations*. Symposium held at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
52. **Forbes EE**, Healey KL, Olino TM, Musselman SC, Morgan JK. (April, 2013). Anhedonia and neural response to peer social reward in adolescents. (2013, April). In D Saxbe (Chair), *Neural perspectives on peers: Sensitivity of the adolescent brain to social stimuli*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
53. McMakin DL, Harvey AG, Forbes EE, Cousins JC, Milbert MM, Trubnick LT, Ryan ND, Dahl RE. (2013, April). Treating sleep in early adolescents with anxiety: Implications for improving affective development. In AG Harvey (Chair), *Sleep in adolescence: Pathways, targets and treatments*. Invited symposium at the biennial meeting of the Society for Research on Child Development, Seattle, WA.
54. Guyer AE, Gelardi K., Yadav D, Hipwell A, **Forbes EE**, Keenan, K. (April, 2013). When attention turns to sadness: Emotional face processing in girls at risk for depression. In AE Guyer (Chair), *Faces in context: Brain- and behavior-based mechanisms of social anxiety and depression in adolescence and early adulthood*. Symposium paper presented at the 33rd Annual Conference of the Anxiety Disorders Association of America, La Jolla, California.
55. **Forbes EE**. (2013, June). Disrupted neural response to reward and the etiology and pathophysiology of adolescent depression. In A Scheres (Chair), *Reward processing in developmental psychopathology*. Symposium paper presented at the biennial meeting of the International Society for Research in Child and Adolescent Psychopathology, Leuven, Belgium.
56. Hyde LW, Shaw DS, **Forbes EE**, Hariri AR. (2013, June). Amygdala reactivity in a community sample of young adults: The role of callousness. In S White (Chair), *Psychopathy and the brain: Insights from fMRI*. Symposium paper presented at the Biennial Meeting of the Society for the Scientific Study of Psychology, Washington, DC.

PROFESSIONAL ACTIVITIES

TEACHING:

Curriculum Vitae
November 21, 2013

Erika E. Forbes, Ph.D.
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Admissions and Training Committee

Committee: Core Faculty Training Committee, WPIC Clinical Psychology Internship
Role: member; review applications, interview applicants, serve as clinical supervisor and research preceptor for interns
Location: University of Pittsburgh Department of Psychiatry
Date: 2006-

Mentorship of Career Development Award

Trainee: Thomas Olino, PhD
Title: *Reward-related Brain Functioning as an Endophenotype for Depression*
Role: primary mentor; provide training in the study of reward-related brain function in adolescents at risk for depression and career guidance
Location: WPIC, University of Pittsburgh
Date: 2010-

Trainee: Brant Hasler, PhD
Title: *Circadian Misalignment and Reward Function: A Novel Pathway to Substance Use*
Role: co-mentor; provide training in the study of reward-related brain function in adolescent development and substance use
Location: WPIC, University of Pittsburgh
Date: 2012-

Trainee: Judith K Morgan, PhD
Title: *Positive Affect and Reward-Related Brain Function in Preschoolers at Risk for Depression*
Role: primary mentor, provide training in the developmental psychopathology and neural response to reward in depression
Location: WPIC, University of Pittsburgh
Date: 2013-

Direction of Doctoral Dissertation

Trainee: Karen Muñoz, MS
Committee: dissertation committee
Title: *Threat-related Brain Function, Anxiety Disorders, and Puberty as Predictors of Alcohol and Tobacco Use in Adolescents*
Role: committee co-chair and graduate co-advisor; provide guidance on development of proposal, execution of research project, and preparation of dissertation and resulting publications
Location: Department of Psychology, University of Pittsburgh
Date: 2011-2012

Service on Doctoral Dissertation Committees

Trainee: Michele Bertocci, MEd

Committee: dissertation committee
Title: *Social Context of Media Use by Children and Adolescents with and without Depression*
Role: committee member; provide guidance on development of proposal, execution of research project, and preparation of dissertation and resulting publications
Location: Department of Psychology in Education, University of Pittsburgh
Date: 2009-2011

Trainee: Luke Hyde, MS
Committee: dissertation committee
Title: *Serotonin System Genes and Threat-Related Brain Function in Young Men with Antisocial Behavior and Substance Use*
Role: committee member; provide guidance on development of proposal, execution of research project, and preparation of dissertation and resulting publications
Location: Department of Psychology, University of Pittsburgh
Date: 2010-2012

Trainee: Maggie Mae Sweitzer, MS
Committee: dissertation committee
Title: *Abstinence-induced anhedonia as an endophenotype for nicotine dependence: Exploring behavioral, neural, and genetic pathways of risk for smoking relapse*
Role: committee member; provide guidance on development of proposal, execution of research project, and preparation of dissertation and resulting publications
Location: Department of Psychology, University of Pittsburgh
Date: 2011-2013

Trainee: Sarah Ordaz, MS
Committee: dissertation committee
Title: *Characterizing growth curves for the brain basis of inhibitory control*
Role: committee member; provide guidance on development of proposal, execution of research project, and preparation of dissertation and resulting publications
Location: Department of Psychology, University of Pittsburgh
Date: 2011-2012

Trainee: Meg Dennison, MS
Committee: dissertation committee
Title: *Influence of positive affect traits and depression on the structural development of the neural reward system across adolescence*
Role: committee member; read and provide written review of dissertation
Location: Department of Psychology, University of Melbourne, Australia
Date: 2012

Service on Predoctoral Committees

Trainee: Karen Muñoz, MS
Committee: masters thesis committee
Title: *Amygdala and Ventral Striatum Reactivity in Adolescents at Risk for Depression*
Role: committee member; guided development of research project and evaluated quality of resulting thesis

Location: Department of Psychology, University of Pittsburgh
Date: 2008-9

Trainee: Karen Muñoz, MS
Committee: comprehensive examination committee
Title: *Threat-related Brain Function, Social Context, and Serotonin-system Genes as Factors in the Internalizing Pathway to Adolescent Alcohol Use Problems*
Role: committee member; guided development of research project and evaluated quality of resulting thesis

Location: Department of Psychology, University of Pittsburgh
Date: 2010-2011

Trainee: Maggie Mae Sweitzer, MS
Committee: Integrative Graduate Education and Research Training committee
Title: *Genetic Sources of Nicotine Dependence: Dopamine Polymorphisms, Reward Dysfunction, and the Choice to Smoke*
Role: committee member for training and research project; contribute to neuroimaging training, study design, and data acquisition, analysis, interpretation
Location: Department of Psychology, University of Pittsburgh
Date: 2010-2012

Trainee: Mary Gilliam
Committee: masters thesis committee
Title: *Do Amygdala and/or Hippocampal Volume Mediate the Relationship between Early and/or Later Exposure to Maternal Depressive Symptoms and Problem Behavior in Early Adulthood?*
Role: committee member; guided development of research project and evaluated quality of resulting thesis
Location: Department of Psychology, University of Pittsburgh
Date: 2012-2013

Trainee: Sarah Lichtenstein
Committee: masters thesis committee
Title: *Frontostriatal Morphology and DRD2 Variation: Volumetric and Genetic Predictors of Resilience to Substance Use Disorders*
Role: committee member; guided development of research project and evaluated quality of resulting thesis
Location: Department of Psychology, University of Pittsburgh
Date: 2012-2013

Service on Postdoctoral Research Committees

Trainee: Tiffany Farchione, MD
Committee: special committee for K award proposal
Title: *Neurobiology of Emotion Regulation in Youth with Bipolar Disorder*
Role: guided development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh

Date: 2007-2008
Trainee: Nestor Lopez-Duran, PhD
Committee: special committee for K award proposal
Title: *Bio-Social Influences on Developmental Pathways to Major Depression in Youths at Familial Risk for Depression*
Role: guided development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2007-2008

Trainee: Karina Quevedo, PhD
Committee: special committee for K award proposal
Title: *The Neurobiology of Negative Self Attributions and of Negatively-Biased Self Recognition in Depressed Adolescents*
Role: guided development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2008-2010

Trainee: Jorge Almeida, MD, PhD
Committee: special committee for K award proposal
Title: *Determining Symptom Dimensions of Depression and Outcome Prediction Based on Brain Circuits Using Neuroimaging Objective Measures*
Role: guided development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2009-2010

Trainee: Susan Perlman, PhD
Committee: special committee for K award proposal
Title: *Determining Affective Neural Markers of Psychopathology from a Developmental Neuroscience Perspective*
Role: guide development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2012

Trainee: Brant Hasler, PhD
Committee: mentoring committee for K award proposal
Title: *Circadian Function and Reward Function in Adolescents at Risk for Substance Use*
Role: co-mentor of proposal; guide development of an NIH career development award proposal
Location: WPIC, University of Pittsburgh
Date: 2010-2012

Trainee: Benjamin Mullin, PhD
Committee: special committee for K award proposal

Title: *Sleep and Reward Processing in Adolescent Bipolar Disorder*
Role: guide development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2011

Trainee: Jay Fournier, PhD
Committee: special committee for K award proposal
Title: *Neural Markers of Automatic and Voluntary Emotion Regulation in Depression: Towards Understanding Individual Differences in Treatment Response*
Role: guide development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2011-2012

Trainee: Patricia Tan, PhD
Committee: special committee for K award proposal
Title: *Identifying Early Risk for Anxiety: Linking Threat Bias Components with Children's Real-world Responses to Negative Events*
Role: guide development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2012-

Trainee: Salvatore Insana, PhD
Committee: special committee for K award proposal
Title: *Sleep Disturbance and Threat Processing in Maltreated Children*
Role: guide development of an NIH career development award proposal as part of a committee appointed by the WPIC Research Committee
Location: WPIC, University of Pittsburgh
Date: 2012-

Service on Undergraduate Honors Thesis Committees

Trainee: John Skicki
Committee: senior honors thesis
Title: *Resilience and Its Association with Response to Stress via Affective Working Memory*
Role: committee member
Location: Department of Psychology, University of Pittsburgh
Date: 2012

Trainee: Charishma Soni
Committee: senior honors thesis
Title: *Mutual Influence of Daytime Mood and Nighttime Sleep in Adolescent Anxiety*
Role: chair
Location: Department of Psychology, University of Pittsburgh
Date: 2012

Trainee: Marissa Swanson
Committee: Bachelor of Philosophy (BPhil) thesis
Title: *The Neural Correlates of Emotional Numbing and Nicotine Use in Veterans during Wake and REM: An [¹⁸F]-FDG PET Imaging Study*
Role: committee member
Location: Department of Psychology, University of Pittsburgh
Date: 2012

Trainee Research and Career Awards

Trainee: Stephanie Holm, MD
Award: Bert and Sally O'Malley Award for Outstanding Medical Student Research
Awarded by: University of Pittsburgh School of Medicine
Date: 4/2011

Trainee: Judith Morgan, PhD
Award: Career Education and Enhancement for Health Care Research Diversity (CEED) Program
Awarded by: University of Pittsburgh School of Medicine
Date: 7/2013-

University Lectures

Title: *Processing of Reward and Positive Affect in Childhood Depression: A Proposed Study of Emotion Regulation*
Date: 3/2003
Venue: WPIC Child Psychiatry Research Colloquium
Audience: visiting expert and WPIC faculty, fellows, and residents

Title: *Choosing a Research Focus*
Date: 9/2004
Venue: WPIC Clinical Internship Didactic Meeting
Audience: clinical psychology interns

Title: *Clinical Licensure Considerations*
Date: 12/2004
Venue: WPIC Clinical Internship Didactic Meeting
Audience: clinical psychology interns

Title: *Reward Processing as an Indication of Altered Positive Affect in Child and Adolescent Depression*
Date: 3/2005
Venue: WPIC Child Psychiatry Research Colloquium
Audience: visiting expert and WPIC faculty, fellows, and residents

Title: *Reward Processing in Children and Adolescents with Depression: Behavioral and fMRI Evidence*
Date: 9/2005

Venue: Biennial Child and Adolescent Depression Consortium Meeting, Pittsburgh, PA
Audience: international group of pediatric depression researchers

Title: *Altered Reward Processing in Child and Adolescent Depression: Behavioral and fMRI Evidence*

Date: 1/2006

Venue: Department of Psychology Brown Bag Seminar, University of Pittsburgh

Audience: faculty and graduate students in psychology department

Title: *Anger, Anxiety, and Adolescence*

Date: 11/2006

Venue: WPIC-Wide Journal Club

Role: Chair for presentation by resident, Daisy Klingman, MD

Audience: faculty, fellows, and residents

Title: *Neural Response to Reward and Threat in Adolescents with Anxiety and Depression*

Date: 9/2007

Venue: Biennial Child and Adolescent Depression Consortium Meeting, Pittsburgh, PA

Audience: international group of pediatric depression researchers

Title: *Genes, Depression, and Mothering*

Date: 11/2007

Venue: WPIC-Wide Journal Club

Role: Chair for presentation by resident, Kalonda Bradshaw, MD

Audience: faculty, fellows, and residents

Title: *Normal Development of Reward Function during Adolescence*

Date: 3/2008

Venue: WPIC Child Psychiatry Research Colloquium

Audience: visiting experts and WPIC faculty, fellows, and residents

Title: *Developmental Affective Neuroscience of Depression: Scientific and Career Lessons*

Date: 3/2009

Venue: WPIC Clinical Internship Didactic Meeting

Audience: clinical psychology interns

Title: *Adolescence without the Fun: Examining Reward Function in Depression*

Date: 11/2009

Venue: Department of Psychology Cognitive Brown Bag Seminar, University of Pittsburgh

Audience: faculty and graduate students in psychology department

Title: *Adolescence without the Fun: Examining Reward Function in Depression*

Date: 12/2009

Venue: Laboratory of Neurocognitive Development, WPIC

Audience: faculty, graduate students, postdoctoral fellows, and staff

Title: *Scientific Management: Laboratory Leadership*

Date: 03/2010
Venue: WPIC Postdoctoral Survival Skills Seminar
Audience: faculty and postdoctoral fellows

Title: *Reward Processing in Adolescents with Inhibited Temperament*
Date: 03/2010
Venue: WPIC-Wide Journal Club
Role: Expert panelist for presentation by psychology intern, Judith Morgan, PhD
Audience: faculty, fellows, and residents

Title: *Reward Function in Adolescent Depression*
Date: 03/2011
Venue: Seminar in Emotion, Department of Psychology, University of Pittsburgh
Audience: undergraduate students

Title: *Neural correlates of emotion processing: A clue to the diagnostic boundaries of bipolar disorder in children?*
Date: 03/2011
Venue: WPIC-Wide Journal Club
Role: Expert panelist for presentation by psychiatry resident, Danella Hafeman, MD
Audience: faculty, fellows, and residents

Title: *Reward Function in Adolescent Depression*
Date: 04/2011
Venue: Mood, Brain, and Biology meeting
Audience: WPIC faculty with interests in the biological bases of mood disorders

Title: *Neural Response to Reward in Late Adolescents with Cannabis Use Disorders*
Date: 05/2011
Venue: Developmental Affective Science Collective
Audience: faculty, postdoctoral fellows, and graduate students

Title: *Not So Fun: Reward Function and the Development of Depression in Adolescence*
Date: 06/2011
Venue: WPIC Annual Research Day
Role: Invited speaker
Audience: faculty, fellows, residents, students, staff

Title: *Early Stress and the OFC*
Date: 06/2011
Venue: WPIC-Wide Journal Club
Role: Expert panelist for presentation by psychiatry resident, Amy Meadows, MD
Audience: faculty, fellows, and residents

Title: *Adolescent Reward Function: Typical Development and Associations with Depression and Substance Use*
Date: 11/2011
Venue: Center for Education and Drug Abuse Research (CEDAR), School of Pharmacy

Audience: faculty, graduate students, postdoctoral fellows, and staff

Title: *Not So Fun? Reward Function in Adolescent Depression and Substance Use*
Date: 1/2012
Venue: Department of Adolescent Medicine
Audience: faculty, medical students, residents, postdoctoral fellows, and staff

Title: *Disrupted Reward Function in Adolescent Depression and Substance Use*
Date: 1/2012
Venue: Psychiatric Epidemiology and Alcohol Training Grant Seminar
Audience: faculty and postdoctoral fellows

Title: *Measures of Positive Affect in Youth*
Date: 11/2012
Venue: Child Intervention, Prevention, and Services (CHIPS) Research Institute webinar
Audience: postdoctoral fellows and junior faculty

Title: *Clinical Imaging of Developmental Psychopathology: Reward Function in Adolescent Depression*
Date: 7/2013
Venue: Multimodal Neuroimaging Training Program, Center for the Neural Bases of Cognition
Audience: graduate students, postdoctoral fellows, and junior faculty

Title: *Insomnia: Translational Issues*
Date: 07/2013
Venue: WPIC Summer Seminar Series, *Sleep and Circadian Rhythms – From Bench to Bedside*
Role: Discussant for presentations by psychiatrist Daniel Buysse, MD, and neuroscientist Georgina Cano, PhD
Audience: faculty, fellows, and residents

Grand Rounds

Title: *The Development of Depression in Young People: Investigating the Role of Positive Affect and Neural Systems of Reward*
Setting: Psychiatry Grand Rounds, WPIC Young Investigator Lecture
Date: 4/20/2007
Audience: WPIC faculty, fellows, residents

Title: *Neural Response to Reward and the Development of Adolescent Depression*
Setting: Pediatric Grand Rounds, Children’s Hospital, University of Pittsburgh
Date: 5/2/2013
Audience: Pediatrics faculty, fellows, residents

Lecture for American Academy of Child and Adolescent Psychiatry Board Review Workshop

Title: *Normal Development: A Context for Understanding Disorders*
Date: 3/2012
Audience: Child and Adolescent Psychiatrists

Clinical Supervision for Research Study

Focus: Sleeping TIGERS, a sleep enhancement treatment for adolescents
Supervisees: Laura Trubnick, MSW; Melissa Milbert, MSW; Dana McMakin, PhD
Setting: Child Anxiety Treatment Study (CATS), Department of Psychiatry, University of Pittsburgh
Date: 2009-

Invited Clinical Presentation

Title: *Identifying and Targeting Decreased Positive Affect in Adolescent Depression*
Date: 1/2009
Venue: Clinical Case Conference, Department of Psychology, University of California at Los Angeles
Audience: clinical psychology faculty and graduate students

Clinical Workshop

Title: *Motivational Interviewing and Sleeping TIGERS*
Date: 3/2011
Audience: Clinicians and evaluators on two studies using a sleep treatment for adolescents
Location: Department of Psychiatry, University of Pittsburgh

Trainees

Undergraduate

- Marissa Jankowski, co-supervisor of undergraduate research project, Department of Psychology, University of Pittsburgh, 1998-1999. Project title: *Associations of Parent and Infant Affect during Face-to-Face Interaction*.
- Dawn Witherspoon, co-supervisor for undergraduate thesis, Department of Psychology, University of Pittsburgh, 1998-1999. Now clinical psychology graduate student at Case Western Reserve University. Project title: *Fathers, Mothers, and Infants: Role of Parent and Depression in Affective Behavior*.
- Nidhi Kaura, directed research supervisor, Department of Psychology, University of Pittsburgh, 2006-2007. Project title: *Adolescents' Mood and Behavior in Natural Environments*.
- Donna Moyles, directed research supervisor, Department of Psychology, University of Pittsburgh, 2006. Project title: *Adolescents' Mood and Companions in Natural Environments*.
- Kathryn Misero, directed research supervisor, Department of Psychology, University of Pittsburgh, 2007-2008. Project title: *Daily Activities of Depressed Adolescents*.
- Samantha Sciarillo, directed research supervisor, Department of Psychology, University of Pittsburgh, 2008-2009. Project title: *Reward-related Brain Function as a Predictor of Treatment Outcome in Adolescents with Depression*.

- Kelsey Ronan, directed research supervisor, Department of Psychology, University of Pittsburgh, 2008-2010. Project title: *Neural Reward Circuits and Adolescent Depression*.
- Kara Deal, directed research supervisor, Department of Psychology, University of Pittsburgh, 2008-2010. Project title: *Association of Reward-Related Brain Function with Adolescents' Depression Severity as Reported by Self, Mother, or Clinician*.
- Charishma Soni, directed research supervisor, Department of Psychology, University of Pittsburgh, 2009-present. Project title: *Functional Connectivity of Neural Reward Circuits in Adolescent Depression*.
- Ryan Arnot, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011. Project title: *Neural Response to Reward in Adolescent Depression*.
- Jillian Rodgers, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011. Project title: *Reward Function in Adolescent Depression and Typical Adolescent Development*.
- Julia Spevak, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011. Project title: *Neural and Behavioral Aspects of Reward Function in Adolescent Depression*.
- Corey Cornick, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011. Project title: *Behavioral Aspects of Reward Function in Preschoolers at Risk for Depression*.
- Joseph Staszl, directed research supervisor, Department of Neuroscience, University of Pittsburgh, 2011. Project title: *Neural Response to Monetary and Social Reward in Adolescent Depression*.
- Shelbi Pellen, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Motivation for Monetary and Social Reward in Adolescent Depression*.
- Charles Leslie, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Positive Affect and Reward-Seeking Behaviors in Adolescents' Daily Lives*.
- Kayla Rudisel, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Adolescents' Positive Affect Behavior in Peer Reward Contexts*.
- Gregory Hollinger, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Adolescents' Expression of Positive Affect in a Laboratory Peer Interaction*.
- Shaun Plotnick, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Adolescents' Neural Response to Reward and Their Engagement in Reward-Seeking Behaviors in Natural Settings*.
- Evan Knutson, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Adolescents' Neural Response to Familiar Social Reward and Standardized Monetary Reward*. Current position: Graduate Student in Rehabilitation Science.
- Sara Dugan, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Positive Affect Behavior in Preschool Children at Risk for Depression*.

Predoctoral

- Christopher Trentacosta, MS, clinical supervisor, Clinical Psychology Internship, Department of Psychiatry, University of Pittsburgh, 2005-2006. Project title: *Developmental Psychopathology of Adolescence*. Current position: Assistant Professor of Psychology, Wayne State University, Detroit, MI.

- Thomas Olino, MS, clinical supervisor, Clinical Psychology Internship, Department of Psychiatry, University of Pittsburgh, 2007-2008. Project title: *Affective Disorders in Youth*. Current position: Assistant Professor of Psychology, Temple University, Philadelphia, PA.
- Stephen Wilson, MS, research mentor, Clinical Psychology Internship, Pittsburgh VA Medical Center, 2007-2008. Project title: *Reward-Related Brain Function and Adolescent Substance Use*. Current position: Assistant Professor, Department of Psychology, The Pennsylvania State University, State College, PA.
- Stephanie Koskowich Holm, BS, research mentor, School of Medicine, University of Pittsburgh, 2008-2011. Project title: *Sleep, Pubertal Maturation, Reward-Related Brain Function, and Affective Disorders*. Current position: Pediatrics Resident, Children's Hospital and Research Center Oakland, Oakland, CA.
- Robin Nusslock, MS, clinical supervisor, Clinical Psychology Internship, Department of Psychiatry, University of Pittsburgh, 2008-2009. Project title: *Affect Regulation in Depression and Bipolar Disorder*. Current position: Assistant Professor, Department of Psychology, Northwestern University, Evanston, IL.
- Judith Morgan, MS, clinical supervisor, Clinical Psychology Internship, Department of Psychiatry, University of Pittsburgh, 2009-2010. Project title: *Development of Affect Regulation and Depression in Youth*. Current position: Assistant Professor of Psychiatry, University of Pittsburgh.
- Martha Early, MS, NRSA Proposal Consultant, Department of Psychology, University of Missouri, 2009-present. Project title: *Development of Positive Affect Regulation in Children*.
- Maggie Mae Sweitzer, MS, Integrative Graduate Education and Research Training committee member, Department of Psychology, University of Pittsburgh, 2010-present. Project title: *Genetic Sources of Nicotine Dependence: Dopamine Polymorphisms, Reward Dysfunction, and the Choice to Smoke*. Current position: Postdoctoral Fellow, Duke University.
- Karen Muñoz, MS, co-advisor, Clinical Psychology PhD Program, Department of Psychology, University of Pittsburgh, 2011-2012. Project title: *Amygdala Reactivity and History of Psychopathology in Adolescent Alcohol Use*. Current position: Clinical Psychology Intern, NewYork-Presbyterian Hospital/Weill-Cornell Medical Center.
- Nikhil Kurapati, BS, research mentor, School of Medicine, University of Pittsburgh, 2011. Project title: *Functional Connectivity in Reward Circuitry and History of Depression*.
- Daniel Hackman, MS, clinical supervisor, Clinical Psychology Internship, Department of Psychiatry, University of Pittsburgh, 2011-2012. Project title: *Development of Affect Regulation and Psychopathology*. Current position: Postdoctoral fellow, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA.
- Sarah Romens, MS, clinical and research supervisor, Clinical Psychology Internship, Department of Psychiatry, University of Pittsburgh, 2011-2012. Project title: *Early Adversity and Adolescent Neural Response to Reward in High-Risk Girls*.
- Alexandra Antonesei, BS, masters internship supervisor, Cognitive and Clinical Neuroscience Graduate Program, Maastricht University, Netherlands, 2013. Project title: *Amygdala Response to Reward and Recognition of Pleasant Facial Stimuli in Adolescent Girls with Depression*.
- Sarah Lichtenstein, MS, graduate advisor, Clinical Psychology PhD Program, University of Pittsburgh, 2013-Present. Project title: *Development of Co-occurring Depression and Substance Use during Adolescence*.

Postdoctoral

- Wendy Troxel, PhD, supervisor for postdoctoral licensure hours, Department of Psychiatry, University of Pittsburgh, 2006-2008. Current position: RAND Corporation, Pittsburgh, PA.
- Robin Nusslock, PhD, supervisor for postdoctoral licensure hours, Department of Psychiatry, University of Pittsburgh, 2009-2010. Current position: Assistant Professor, Department of Psychology, Northwestern University.
- Thomas Olino, PhD, postdoctoral research mentor, Clinical Psychology Postdoctoral Program, Department of Psychiatry, University of Pittsburgh, 2008-2010. Project title: *Reward-Related Brain Function, Anhedonia, and Development of Depression*.
- Sarah Whittle, PhD, external referee/advisor, Department of Psychology, University of Melbourne, Australia, 2008-2010. Project title: *Depressed Adolescents' Neural Responses to Family Affect*.
- Judith Morgan, PhD, postdoctoral research mentor, Child Psychiatry Postdoctoral T32 Program, Department of Psychiatry, University of Pittsburgh, 2010-present. Project title: *Behavioral and Neural Aspects of Positive Affect in Preschoolers at Risk for Depression*.
- Karina Quevedo, PhD, supervisor for postdoctoral licensure hours, Department of Psychiatry, University of Pittsburgh, 2009-2012. Current position: Assistant Professor, Department of Psychiatry, University of Minnesota.
- Rebecca Price, PhD, supervisor for postdoctoral licensure hours, Department of Psychiatry, University of Pittsburgh, 2011-2012. Current position: Assistant Professor, University of Pittsburgh.
- Daniel Ewon Choe, PhD, postdoctoral research co-mentor, Department of Psychology, University of Pittsburgh, 2012-present. Project title: *Childhood Hostile Attribution Bias as a Predictor of Altered Corticolimbic Response to Threat in Young Men*.
- Melynda Casement, PhD, postdoctoral research mentor, Department of Psychiatry, University of Pittsburgh, 2012-present. Project title: *Stress, Sleep, Reward Function, and the Development of Depression*.

Junior Faculty: Career Development Awards

- Thomas Olino, PhD, K01 mentor, WPIC, University of Pittsburgh, 2010-
- Dana McMakin, PhD, K23 consultant, WPIC, University of Pittsburgh, 2010-
- Brant Hasler, PhD, K01 mentor, WPIC, University of Pittsburgh, 2012-
- Judith Morgan, PhD, K01 mentor, WPIC, University of Pittsburgh, 2013-

Mentorship of Trainees from Under-Represented Groups

Trainees

- Dawn Witherspoon, co-supervisor for undergraduate thesis, Department of Psychology, University of Pittsburgh, 1998-1999. Now clinical psychology graduate student at Case Western Reserve University. Project title: *Fathers, Mothers, and Infants: Role of Parent and Depression in Affective Behavior*.
- Samantha Sciarrillo, directed research supervisor, Department of Psychology, University of Pittsburgh, 2008-2009. Project title: *Reward-related Brain Function as a Predictor of Treatment Outcome in Adolescents with Depression*.
- Corey Cornick, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011. Project title: *Behavioral Aspects of Reward Function in Preschoolers at Risk for Depression*.

- Charles Leslie, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Positive Affect and Reward-Seeking Behaviors in Adolescents' Daily Lives*.
- Kayla Rudisel, directed research supervisor, Department of Psychology, University of Pittsburgh, 2011-present. Project title: *Adolescents' Positive Affect Behavior in Peer Reward Contexts*.
- Stephen Wilson, PhD, internship research mentor, Clinical Psychology Internship, Pittsburgh VA Medical Center, 2007-2008. Project title: *Reward-Related Brain Function and Adolescent Substance Use*.
- Judith Morgan, MS, clinical supervisor, postdoctoral mentor, K award mentor, Department of Psychiatry, University of Pittsburgh, 2009-
- Karen Muñoz, MS, co-advisor, Department of Psychology, University of Pittsburgh, 2011-2012. Project title: *Amygdala Reactivity and History of Psychopathology in Adolescent Alcohol Use*.
- Karina Quevedo, PhD, supervisor for postdoctoral licensure hours, Department of Psychiatry, University of Pittsburgh, 2009-2012. Current position: Assistant Professor, Department of Psychiatry, University of Minnesota.

Contributions to Training Programs

- Mentor, Career Education and Enhancement for Health Care Research Diversity (CEED) Program, University of Pittsburgh, 2013-2014
- Speaker, Graduate Student of Color Dinner Series, University of Pittsburgh and Carnegie Mellon University, 2012

Trainee Awards

- Judith Morgan, Minority Supplement to NIH T32 MH018951, *Clinical Research Training in Child Psychiatry*
- Judith Morgan, Career Education and Enhancement for Health Care Research Diversity (CEED) Program Scholar, 2013-2014

Courses Taught

Course: *Introduction to Psychology as a Natural Science*
 Date: 1996-1998
 Venue: Department of Psychology, University of Pittsburgh
 Role: Teaching Assistant
 Number of students: 200+
 Type of students: undergraduates
 Hours: 144
 Number of Lectures: 36

Course: *Introduction to Psychology as a Natural Science*
 Date: 1998
 Venue: Department of Psychology, University of Pittsburgh
 Role: Guest Lecturer
 Number of students: 200
 Type of students: undergraduates

Hours: 4
Number of Lectures: 1

Course: *Developmental Psychology*
Date: 2000
Venue: Department of Psychology, University of Pittsburgh
Role: Guest Lecturer
Number of students: 75
Type of students: undergraduates
Hours: 3
Number of Lectures: 1

Course: *Seminar in Emotion*
Date: 2001
Venue: Department of Psychology, University of Pittsburgh
Role: Guest Lecturer
Number of students: 20
Type of students: undergraduates
Hours: 3
Number of Lectures: 1

Course: *Career Development Institute in Psychiatry*
Date: 2006
Venue: WPIC, University of Pittsburgh
Role: Instructor
Number of students: 20
Type of students: residents and postdoctoral fellows
Hours: 3
Number of Lectures: 1

Course: *Developmental Processes*
Date: 2007-2008
Venue: WPIC, University of Pittsburgh
Role: Guest Lecturer
Number of students: 15
Type of students: PGY4/PGY5 residents
Hours: 10
Number of Lectures: 2

Course: *Career Development Institute in Psychiatry*
Date: 2008
Venue: WPIC, University of Pittsburgh
Role: Instructor
Number of students: 20
Type of students: residents and postdoctoral fellows
Hours: 3
Number of Lectures: 1

Course: *Developmental Processes*
Date: 2009-2010
Venue: WPIC, University of Pittsburgh
Role: Guest Lecturer
Number of students: 15
Type of students: PGY4/PGY5 residents
Hours: 5
Number of Lectures: 2

Course: *Postdoctoral Survival Skills Seminar*
Date: 2008-
Venue: WPIC, University of Pittsburgh
Role: Core Faculty Member
Number of students: 50-60
Type of students: postdoctoral fellows
Hours: 100
Number of Lectures: 25 sessions/academic year

Course: *Developmental Processes*
Date: 2009-2010
Venue: WPIC, University of Pittsburgh
Role: Guest Lecturer
Number of students: 15
Type of students: PGY4/PGY5 residents
Hours: 5
Number of Lectures: 2

Course: *Behavioral Sleep Medicine*
Date: 2010-2011
Venue: WPIC, University of Pittsburgh
Role: Guest Lecturer
Number of students: 15
Type of students: PGY III residents
Hours: 2
Number of Lectures: 1

Course: *PGY II Case Conference*
Date: 2010-2011
Venue: WPIC, University of Pittsburgh
Role: Guest Lecturer
Number of students: 10
Type of students: residents
Hours: 2
Number of Lectures: 1

Course: *Behavioral Sleep Medicine*
Date: 2011-2012
Venue: WPIC, University of Pittsburgh

Role: Guest Lecturer
Title: Pediatric Sleep Disorders
Number of students: 15
Type of students: PGY III residents
Hours: 2
Number of Lectures: 1

Course: *Developmental Processes*
Date: 2011-2012
Venue: WPIC, University of Pittsburgh
Role: Guest Lecturer
Title: Peer Relationships in Adolescence
Number of students: 15
Type of students: PGY4/PGY5 residents
Hours: 5
Number of Lectures: 2

Course: *Career Development Institute in Psychiatry*
Date: 2012
Venue: WPIC, University of Pittsburgh
Role: Instructor, Mentor
Number of students: 16
Type of students: residents and postdoctoral fellows
Hours: 7
Number of Lectures: 2

Course: *Behavioral Sleep Medicine*
Date: 2012-2013
Venue: WPIC, University of Pittsburgh
Role: Guest Lecturer
Number of students: 15
Type of students: PGY III residents
Hours: 2
Number of Lectures: 1

Course: *Developmental Psychopathology*
Date: 2013
Venue: Department of Psychology, University of Pittsburgh
Role: Guest Lecturer
Title: Reward Function and the Neurobiology of Depression
Number of students: 8
Type of students: child clinical psychology graduate students
Hours: 2
Number of Lectures: 1

Course: *Developmental Processes*
Date: 2012-2013
Venue: WPIC, University of Pittsburgh

Role: Guest Lecturer
 Title: Peer Relationships in Adolescence
 Number of students: 8
 Type of students: PGY4 child residents
 Hours: 5
 Number of Lectures: 2

Course: *Career Development Institute in Psychiatry*
 Date: May 2013
 Venue: Stanford University
 Role: Instructor, Mentor
 Number of students: 16
 Type of students: residents, postdoctoral fellows, and junior faculty
 Hours: 7
 Number of Lectures: 2

RESEARCH:

1. Grants

Current Grant Support

Grant Number	Grant Title	Role in Project and Percent Effort	Years Inclusive	Source Amount
R01 DA026222	"Substance Use in Young Men: Genes, Brain Function and Early Social Development"	MPI, 20%	2009-2014	\$3,930,466
R01 MH093605	"Changes in Brain Function during Adolescence and Risk for Depression in Girls"	MPI, 20%	2011-2016	\$3,113,954
R21 DA033612	"Self-Regulation of Reward in Adolescence"	PI, 15%	2011-2013	\$415,762
Administrative Supplement to R01 DA026222	"Substance Use in Young Men: Genes, Brain Function and Early Social Development"	PI, 10%	2012-2014	\$297,066
R01 MH091327	"Puberty and Threat/Reward Processing in the Trajectory from Anxiety to Depression"	Co-I, 10%	2010-2015	\$3,615,416
R01 DA033064	"Behavioral and Neural Consequences of Sleep Loss on Adolescent Affective Function"	Co-I, 5%	2011-2015	\$1,329,597
DoD	"Effects of Dose-Dependent Sleep Disruption on Fear and Reward Responses"	Co-I, 10%	2012-2017	\$709,693 (current year)

Prior Grant Support

Grant Number	Grant Title	Role in Project and Percent Effort	Years Inclusive	Source Amount
Klingenstein Third Generation Foundation Graduate Research Fellowship	"The Neurobiology of Positive Affect in Childhood Depression"	PI	2003-2005	\$60,000
R01 DA018910	"Pubertal Maturation and Drug Use Vulnerability"	Co-I, 10%	9/2004-8/2011	\$1,587,323
K01 MH074769	"Development, Positive Affect, and Adolescent Depression"	Principal Investigator (PI), 100%	2006-2011	\$735,696
R03 DA027441	"Polymorphisms Related to Dopamine Receptor Function and Smoking"	Co-I, 10%	2009-2011	\$427,720
RC1 MH088913	"Validation of a Functional MRI-Based Reward Processing Task as a Non-Invasive Tool to Identify the Role of Ventral Striatal Dopaminergic Abnormalities as Potential Disease Biomarkers"	Co-I, 10%	2009-2011	\$375,605
R21 DA024144	"Emotion Regulation in Adolescence: A Social Affective Neuroscience Approach"	Co-I, 5%	2007-2011	\$201,380
NARSAD Young Investigator Award	"A Neuroimaging Study of Positive Affect in Current and Remitted Adolescent Depression"	PI, 15%	2006-2010	\$60,000
P50 MH080215	"Transdisciplinary Studies of CBT for Anxiety in Youth"	Co-Investigator (Co-I) for 2 projects, Co-PI for 1 project, 20% total	2008-2013	\$9,795,710
R01 AA018330	"Imaging Cortical Dopamine Transmission in Alcohol Dependence"	Co-I, 10%	2009-2013	\$49,201

Seminars and Invited Lectureships

Title: *Psychophysiology of Emotion Regulation in Children at Risk for Depression*
Date: 5/2005
Venue: Department of Human Development and Family Studies, Pennsylvania State University
Audience: Faculty, postdoctoral fellows, and graduate students in HDFS and psychology departments

Title: *Development of Depression in Young People: Investigating the Role of Positive Affect and Neural Systems of Reward*

Date: 1/2008

Venue: Department of Psychology Colloquium, University of California at Los Angeles

Audience: Faculty, postdoctoral fellows, and graduate students in psychology department

Title: *Positive Affect and Neural Systems of Reward in Adolescent Depression*

Date: 1/2009

Venue: Department of Psychology Colloquium, University of Colorado

Audience: Faculty, postdoctoral fellows, and graduate students in psychology department

Title: *Reward Function in Adolescent Depression: Progress and Prospects*

Date: 2/2011

Venue: Department of Psychology Colloquium, University of Miami

Audience: Faculty and graduate students in psychology department

Title: *Reward Function and the Development, Pathophysiology, and Treatment of Depression*

Date: 2/2013

Venue: Department of Psychology Colloquium, University of Oregon

Audience: Faculty and graduate students in psychology department

Title: *Depression and Reward Circuitry: Development, Treatment, and Relevance to Gene-Brain-Behavior Associations*

Format: Invited Lecture

Date: 9/2013

Venue: Annual Meeting of the Italian Society of Biological Psychiatry, Naples, Italy

Audience: Researchers and clinicians

See also *Papers Delivered and Symposia* above.

Other Research-Related Activities

Editorial Board for Scientific Journals

- *Psychological Science*, 2012-
- *Journal of Abnormal Psychology*, 2012-

Editor, Special Section of Journal

- *Journal of Abnormal Psychology*, special section on Reward Function and Developmental Psychopathology, 2012-

Refereeing for Scientific Journals

- *Abnormal Psychology*, 2010-
- *Addiction*, 2008-
- *American Journal of Psychiatry*, 2008-
- *Archives of General Psychiatry*, 2009-

- *Biological Psychiatry*, 2008-
- *Biology of Mood and Anxiety Disorders*, 2011-
- *Brain Research*, 2008-
- *Cerebral Cortex*, 2008-
- *Child Development*, 2008-
- *Clinical Psychology Review*, 2012-
- *Clinical Psychology: Science and Practice*, 2013-
- *Cognitive, Affective, and Behavioral Neuroscience*, 2009-
- *Cognitive Neuropsychiatry*, 2009
- *Cognitive Therapy and Research*, 2007-
- *Current Directions in Psychological Science*, 2012-
- *Developmental Cognitive Neuroscience*, 2010-
- *Developmental Neuropsychology*, 2009-
- *Developmental Psychology*, 2010-
- *Development and Psychopathology*, 2005-
- *Human Brain Mapping*, 2009-
- *Infancy*, 2005-
- *International Journal of Behavioral Development*, 2008-
- *International Journal of Neuropsychopharmacology*, 2010-
- *Journal of Abnormal Child Psychology*, 2007-
- *Journal of Abnormal Psychology*, 2011-
- *Journal of the American Academy of Child and Adolescent Psychiatry*, 2007-
- *Journal of Child Psychology and Psychiatry*, 2004-
- *Journal of Early Adolescence*, 2007-
- *Journal of Sleep Research*, 2010-
- *Neurobiology of Disease*, 2012-
- *NeuroImage*, 2008-
- *Neuropsychologia*, 2008-
- *Neuropsychopharmacology*, 2008-
- *Neuroscience*, 2010
- *Neuroscience and Biobehavioral Reviews*, 2007-
- *Psychiatry Research: Neuroimaging*, 2010-
- *Psychological Medicine*, 2012-
- *Psychophysiology*, 2006-
- *Psychosomatic Medicine*, 2012-
- *Social, Cognitive, and Affective Neuroscience*, 2009-
- *Social Science and Medicine*, 2004

Grant Reviewing

Organization: WPIC Research Committee
 Date: 2003-Present
 Role: Reviewer for grant proposals and IRB protocols

Funding Organization: Ontario Mental Health Foundation
 Date: 12/2008

Role: External appraiser of research grant application

Funding Organization: *Medical Research Council (UK)*
 Date: 4/2010
 Role: Referee for Career Development Award Fellowship Proposal

Funding Organization: *National Institutes of Health*
 Date: 1/2011
 Scientific Review Group: RPHB-M (02), Member Conflict: Risk, Prevention and Health Behavior IRG (related to Psychosocial Development, Risk, and Prevention)
 Role: Ad hoc reviewer

Funding Organization: *Medical Research Council (UK)*
 Date: 4/2011
 Role: Referee for Research Grant

Funding Organization: *National Institutes of Health*
 Date: 6/2011
 Scientific Review Group: RPHB-A (02), Member Conflict: Risk, Prevention and Health Behavior IRG (related to Psychosocial Development, Risk, and Prevention)
 Role: Ad hoc reviewer

Funding Organization: *National Institutes of Health*
 Date: 9/2011
 Scientific Review Group: RPHB-B (02), Member Conflict: Risk, Prevention and Health Behavior IRG (related to Risk, Prevention and Intervention for Addictions)
 Role: Ad hoc reviewer

Funding Organization: *Netherlands Organisation for Health Research and Development (ZonMw)*
 Date: 1/2012
 Role: External Referee for Vidi Grant Programme

Funding Organization: *National Institutes of Health*
 Date: 6/2012
 Scientific Review Group: CP, Cognition and Perception Study Section
 Role: Ad hoc reviewer

Funding Organization: *Netherlands Organisation for Health Research and Development (ZonMw)*
 Date: 9/2012
 Role: External Referee for TOP Grant Programme

Funding Organization: *Netherlands Organization for Scientific Research (NWO)*
 Date: 12/2012
 Role: External Referee for Research Talent Grant Programme

Funding Organization: *National Institutes of Health*
 Date: 2/2013

Scientific Review Group: CPDD, Child Psychopathology and Developmental Disabilities Study Section
 Role: Ad hoc reviewer

Funding Organization: *Vanderbilt University*
 Date: 1/2013
 Role: External Referee for Discovery Grant Program

Funding Organization: *City University of New York*
 Date: 3/2013
 Role: External Referee for Collaborative Incentive Research Grant Program

CURRENT RESEARCH INTERESTS

- Developmental psychopathology of adolescent affective disorders
- Developmental psychopathology of substance use disorders
- Neurobiology of affect regulation
- Anhedonia
- Neural, behavioral, and subjective aspects of reward processing

SERVICE:

1. University and Medical School

1998–2001	Psychology Department Colloquium Committee, University of Pittsburgh
1999–2000	Graduate Student Representative, University of Pittsburgh Clinical Psychology Program
2000–2001	Faculty of Arts and Sciences Council, University of Pittsburgh
2001–2002	Developmental Psychology Program Faculty Search Committee, University of Pittsburgh
2003-present	Western Psychiatric Institute and Clinic, Research Committee Reviewer
2006-present	Western Psychiatric Institute and Clinic, Clinical Psychology Internship Steering Committee
2009-present	Western Psychiatric Institute and Clinic, Residency Program Recruitment Interviewer
2010-2012	Western Psychiatric Institute and Clinic, Search Committee for Faculty in Cortico-limbic Development
4/2011	Psy Chi Honor Society, Department of Psychology, Panel on Research Careers in Psychology
10/2012	Graduate Student of Color Dinner Series, University of Pittsburgh and Carnegie Mellon University, Presentation, <i>The Grant Review Process</i>

2. Community Activities

Title: *Affect-Related Brain Function in Children and Adolescents: Lessons for Community-Based Care of Troubled Youth*
 Date: 10/2007

Venue: Headquarters, Pressley Ridge, Pittsburgh, PA
Audience: President and organization leaders

Title: *Adolescent Anxiety: Understanding Brain Function, Social Functioning, and Treatment*
Date: 06/2009
Venue: Diocese of Pittsburgh, Department for Catholic Schools, Pittsburgh, PA
Audience: Superintendent, Assistant Superintendent for Elementary Schools, Assistant Superintendent for Secondary Schools

Title: *Anxiety and Depression in Young People: Emotional Characteristics and Treatment*
Date: 04/2010
Venue: Woodland Hills School District, Forest Hills, PA
Audience: Liaison to District School Board

Title: *Mood Disorders and Your Child's Developing Brain: What We Know and What We Don't*
Date: 06/2010
Venue: Child and Adolescent Bipolar Services (CABS) Parents' Group, Pittsburgh, PA
Audience: Parents of children with mood disorders

Title: *Sleep Problems in Children and Adolescents*
Date: 10/2012
Venue: Weekly Meeting of UPMC Children's Community Pediatrics Psychotherapists
Audience: Clinicians who treat children and adolescents for mental health problems