

University of Pittsburgh
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BIOGRAPHICAL

Name: Cecile D. Ladouceur, Ph.D.

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EDUCATION AND TRAINING

UNDERGRADUATE:

1988-1992 University of Ottawa B.A., 1992 Psychology
Ottawa, Ontario, Canada

GRADUATE:

1992-1999 Université du Québec à Montréal, Ph.D., 1999 Psychology
Montréal, Québec

1993 Department of Psychology and Pre-doctoral
Child Psychiatry, Ste-Justine Hospital Clinical Internship
Montreal, Québec

1996-1997 Division of Child Psychiatry Pre-doctoral
Douglas Hospital, Verdun, Québec Clinical Internship

POSTGRADUATE:

2001-2005 University of Pittsburgh, Pittsburgh, PA Developmental Affective
Neuroscience

APPOINTMENTS AND POSITIONS

ACADEMIC:

03/2005-11/2005 Department of Psychiatry Visiting Assistant Professor of
School of Medicine Psychiatry
University of Pittsburgh
Pittsburgh, PA

12/2005-05/2015 Department of Psychiatry Assistant Professor of Psychiatry
School of Medicine in the Appointment stream
University of Pittsburgh *Primary appointment*
Pittsburgh, PA

2010-2015 Department of Psychology Assistant Professor
University of Pittsburgh *Secondary appointment*
Pittsburgh, PA

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2013-present	Cognitive-Affective Neuroscience & Development (CAN-D) Laboratory	Founder and Director
2015-present	University of Pittsburgh and Carnegie Mellon University Center for Neural Basis of Cognition (CNBC), Pittsburgh, PA	Faculty
2015-2020	Department of Psychiatry School of Medicine University of Pittsburgh Pittsburgh, PA	Associate Professor of Psychiatry in the Appointment stream <i>Primary appointment</i>
2015-present	Department of Psychology University of Pittsburgh Pittsburgh, PA	Associate Professor <i>Secondary appointment</i>
2019-present	Graduate Studies	Faculty
2020-present	Center for Neuroscience University of Pittsburgh Pittsburgh, PA	Training Faculty
2020-2021	Department of Psychiatry School of Medicine University of Pittsburgh Pittsburgh, PA	Associate Professor of Psychiatry with Tenure <i>Primary appointment</i>
2021-present	Department of Psychiatry School of Medicine University of Pittsburgh Pittsburgh, PA	Professor of Psychiatry with Tenure <i>Primary appointment</i>

CLINICAL:

1999-2000	Mental Health Services for Children, Adolescents, & Families Cornwall, Ontario	Child therapist (completed licensing hours)
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CERTIFICATION AND LICENSURE

2004-present The State Board of Psychology, Commonwealth of Pennsylvania (license # PS015192)

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2003- 2005- 2009-	Association for Psychological Science (APS) Society for Research in Child Development (SRCD) Society of Biological Psychiatry (SOBP)
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2011-	International Society for Research on Child and Adolescent Psychopathology (ISRCAP)
2013-	Flux Society
2016-	Social and Affective Neuroscience Society (SANS)
2016-	Society for Research in Psychopathology (SRP)
2018-	Society for Research on Adolescence (SRA)
2021-	American College of Neuropsychopharmacology (ACNP)

HONORS

1988	University of Ottawa - Scholarship of Excellence in Social Sciences
1990-1991	Natural Sciences and Engineering Research Council (NSERC) – Research Scholarship
1992-1994	UQAM Graduate Studies – Research Scholarship
1994-1997	Social Sciences and Humanities Research Council of Canada (SSHRC) – Doctoral Scholarship
2000-2002	Fondation de Recherche en Santé du Québec (FRSQ) – Post-doctoral Fellowship
2002-2004	Canadian Institutes for Health Research (CIHR) – Post-doctoral Fellowship
2002	American Psychological Association – Advanced Training Institute Fellowship
2002	Health Emotions Research Institute, University of Wisconsin – Travel Award
2004	New York Academy of Sciences Travel Award
2008-2013	NIH Mentored Research Scientist Development Award (K01)
2006-2008	NARSAD Young Investigator Award
2008-2010	NARSAD Young Investigator Award
2008	NARSAD Blowitz-Ridgeway Foundation Investigator
2020	Association for Psychological Science (APS), Fellow
2021	American College of Neuropsychopharmacology (ACNP), Member

PUBLICATIONS

Original Peer Reviewed Articles

- 1) Steiger H, Léonard S, Ying Kin NMK, **Ladouceur C**, Ramdoyal D, Young S. Childhood abuse and platelet titrated-paroxetine binding in bulimia nervosa: implications of borderline personality disorder. *Journal of Clinical Psychiatry* 2000 61:428-435. PMID: 10901341.
- 2) Bastien CH, **Ladouceur C**, Campbell K. EEG characteristics prior to and following the evoked K-Complex. *Canadian Journal of Experimental Psychology* 2000 54(4):255-265. PMID: 11195716
- 3) **Ladouceur C**, Reid L, Jacques A. Construction et validation du questionnaire des réactions parentales aux émotions positives exprimées par l'enfant (QRPEPE) [Construction and validation of the Parents' Reaction to Children's Positive Emotions Scale (PRCPS)]. *Canadian Journal of Behavioral Sciences*. 2000 34(1): 20-30.
- 4) **Ladouceur CD**, Dahl RE, Carter, CS. ERP correlates of action monitoring in adolescence. *Annals of New York Academy of Sciences*. 2004 1021:329-330. PMID: 15251905.
- 5) **Ladouceur CD**, Dahl RE, Birmaher B, Williamson DE, Ryan ND, Casey BJ. Altered emotional processing in pediatric anxiety, depression, and comorbid anxiety-depression. *Journal of Child Abnormal Psychology*. 2005 33(2):165-177. PMID: 15839495.
- 6) **Ladouceur CD**, Dahl RE, Williamson DE, Birmaher B, Ryan ND, Casey BJ. Processing emotional facial expressions influences performance on a Go/NoGo task in pediatric anxiety and depression. *Journal of Child Psychology and Psychiatry and Allied Disciplines*. 2006 47(11):1107-1115. PMID: 17076749.
- 7) **Ladouceur CD**, Dahl RE, Birmaher B, Axelson DA, Ryan ND. Increased error-related negativity (ERN) in childhood anxiety disorders: ERP and source localization. *Journal of Child Psychology and*

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- Psychiatry and Allied Disciplines. 2006; 47(10):1073-1082. PMID: 17073986.
- 8) Forbes EE, May JC, Siegle GJ, **Ladouceur CD**, Ryan ND, Carter CS, Dahl RE. Reward-related decision-making in pediatric anxiety and major depressive disorders: an fMRI study. *Journal of Child Psychology and Psychiatry and Allied Disciplines*. 2006 47(10):1031-1040. PMID: 17073982; PMCID: PMC2129133
 - 9) **Ladouceur CD**, Dahl RE, Carter CS. Development of action monitoring through adolescence into adulthood: ERP and source localization. *Developmental Science*. 2007 10(6):874-891. PMID: 17973802.
 - 10) **Ladouceur CD**, Almeida JRC, Birmaher B, Axelson DA, Nau S, Kalas C, Monk K, Kupfer DJ, Phillips ML. Subcortical gray matter volume abnormalities in healthy bipolar offspring: potential neuroanatomical risk marker for bipolar disorder? *Journal of the American Academy of Child and Adolescent Psychiatry*. 2008 47(5):532-539. PMID: 18356765; PMCID: PMC2711512.
 - 11) Yap BH, Allen NB, **Ladouceur CD**. Maternal socialization of positive affect: The impact of invalidation on adolescent emotion regulation and depressive symptomatology. *Child Development*. 2008 79(5):1415-1431. PMID: 18826533.
 - 12) Phillips ML, **Ladouceur CD**, Drevets WC. A neural model of voluntary and automatic emotion regulation: implications for understanding the pathophysiology and neurodevelopment of bipolar disorder. *Molecular Psychiatry*. 2008 13(9):833-857. PMID: 18574483; PMCID: PMC2745893
 - 13) Hassel S, Almeida JRC, Kerr N, Nau SA, **Ladouceur CD**, Fissell K, Kupfer DJ, Phillips ML. Elevated striatal but not amygdala activity to positive emotional stimuli in bipolar disorder: comorbid anxiety, illness duration and medication effects. *Bipolar Disorders*. 2008 10(8):916-927. PMID: 19594507; PMCID: PMC2711546.
 - 14) Silk JS, Siegle GJ, Whalen DJ, Ostapenko L, **Ladouceur CD**, Dahl RE. Pubertal changes in emotional information processing: pupillary, behavioral, and subjective evidence during emotional word identification. *Development and Psychopathology*. 2009 21(1):7-26. PMID: 19144220; PMCID: PMC2629078.
 - 15) **Ladouceur CD**, Silk JS, Dahl RE, Kronhaus D, Ostapenko L, Phillips ML. Fearful faces influence attentional control processes in anxious youth and adults. *Emotion*. 2009 9(6):855-864. PMID: 20001128.
 - 16) Versace A, **Ladouceur CD***, Romero S, Birmaher B, Axelson, DA, Phillips ML. Altered development of white matter in youth at high familial risk for bipolar disorder: a diffusion tensor imaging study. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2010 49(12):1249-1259 * **co-first author and corresponding author**. PMID: 21093774; PMCID: PMC2996850.
 - 17) Schlund MW, Siegle GJ, **Ladouceur CD**, Silk JS, Cataldo MF, Dahl RE, Ryan ND. Nothing to fear? Neural systems supporting avoidance behavior in healthy youths. *NeuroImage*. 2010 52(2):710-719. PMID: 20430103; PMCID: PMC3113722.
 - 18) **Ladouceur CD**, Conway A, Dahl RE. Attentional control moderates relations between negative affect and neural correlates of action monitoring in adolescence. *Developmental Neuropsychology*. 2010 35(2):194-211. PMID: 20390602.
 - 19) Schlund MW, Cataldo MF, Siegle GJ, **Ladouceur CD**, Silk JS, Forbes EE, Dahl RE, Ryan ND. Pediatric functional magnetic resonance neuroimaging: tactics for encouraging compliance. *Behavioral and Brain Functions*. 2011 7:10. PMID: 21548928; PMCID: PMC3113722.
 - 20) **Ladouceur CD**, Farchione T, Diwadkar V, Pruitt P, Radwan J, Axelson DA, Birmaher B, Phillips ML. Differential patterns of abnormal activity and functional connectivity in amygdala-prefrontal circuitry in bipolar-I and bipolar-NOS youth. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2011 50(12):1275-1289. PMID: 22115148; PMCID: PMC3268077.
 - 21) Bertocci MA, Bebko GM, Mullin BC, Langenecker S, **Ladouceur CD**, Almeida JRC, Phillips ML. Abnormal anterior cingulate cortical activity during emotional n-back performance distinguishes bipolar from unipolar depressed females. *Psychological Medicine*. 2012 42(7):1417-1428. PMID: 22099606; PMCID: PMC3601380.
 - 22) Kerestes R, **Ladouceur CD**, Meda S, Nathan P, Blumberg HP, Maloney K, Ruf B, Saricicek A,

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- Pearlson G, Bhagwagar Z, Phillips ML. Abnormal prefrontal activity subserving attentional control of emotion in remitted depressed patients during a working memory task with emotional distracters. *Psychological Medicine*. 2012 42(1):29-40. PMID: 21733287
- 23) Tan PZ, Forbes EE, Dahl RE, Ryan ND, Siegle GJ, **Ladouceur CD**, Silk JS. Emotional reactivity and regulation in anxious and non-anxious youth: a cell-phone ecological momentary assessment study. *Journal of Child Psychology and Psychiatry and Allied Disciplines*. 2012 53(2):197-206. PMID: 22176136; PMCID: PMC3258378.
- 24) Mullin BC, Perlman SB, Versace A, Almeida JRC, Klein C, LaBarbara EJ, **Ladouceur CD**, Phillips ML. An fMRI study of attentional control in the context of emotional distracters in euthymic adults with bipolar disorder. *Psychiatry Research: Neuroimaging*. 2012 201(3):196-205. PMID: 22510433; PMCID: PMC3361638.
- 25) **Ladouceur CD**, Slifka J, Dahl RE, Birmaher B, Axelson DA, Ryan ND. Altered error-related brain activity in youth with major depression. *Developmental Cognitive Neuroscience*. 2012 2(3):351-362. PMID: 22669036; PMCID: PMC3369189.
- 26) Kerestes R, Bhagwagar Z, Nathan PJ, Meda SA, **Ladouceur CD**, Maloney K, Matuskey D, Ruf B, Aybala S, Wang F, Pearlson GD, Phillips ML, Blumberg HP. Prefrontal cortical response to emotional faces in individuals with major depressive disorder in remission. *Psychiatry Research: Neuroimaging*. 2012 202(1):30-37. PMID: 22595508; PMCID: PMC3995357.
- 27) Mourão-Miranda J, Oliveira L, **Ladouceur CD**, Marquand A, Brammer M, Birmaher B, Axelson DA, Phillips ML. Pattern recognition and functional neuroimaging help to discriminate healthy adolescents at risk for mood disorders from low-risk adolescents. *PLoS ONE*. 2012, 7(2): e29482. PMID: 22355302; PMCID: PMC3280237.
- 28) Price RB, Siegle GJ, Silk JS, **Ladouceur CD**, McFarland A, Dahl RE, Ryan ND. Sustained neural alterations in anxious youth performing an attentional bias task: a pupillometry study. *Depression and Anxiety*. 2013 30(1):22-30. PMID: 22700457; PMCID: PMC3480547.
- 29) Conner OL, Siegle GJ, Mcfarland AM, Silk JS, **Ladouceur CD**, Dahl RE, Coan JA, Ryan ND. Mom – it helps when you’re right here! Attenuation of neural stress markers in anxious youths whose caregivers are present during fMRI. *PLoS ONE*. 2013 7(12):e50680. PMID: 23236383; PMCID: PMC3517514.
- 30) Belleau EL, Phillips ML, Birmaher B, Axelson DA, **Ladouceur CD**. Aberrant executive attention in unaffected youth at familial risk for mood disorders. *Journal of Affective Disorders*. 2013 147(1):397–400. PMID: 22980403; PMCID: PMC3526671.
- 31) **Ladouceur CD**, Diwadkar V, White R., Bass J., Birmaher B, Axelson DA, Phillips ML. Fronto-limbic function in unaffected offspring at familial risk for bipolar disorder during an emotional working memory paradigm. *Developmental Cognitive Neuroscience*. 2013 5:185-196. PMID: 23590840; PMCID: PMC3676715.
- 32) Diler RS, **Ladouceur CD**, Segreti AM, Almeida JRC, Birmaher B, Axelson DA, Phillips ML, Pan L. Neural correlates of treatment response in depressed bipolar adolescents during emotion processing. *Brain Imaging and Behaviors*. 2013 7(2):227-235. PMID: 23355265.
- 33) Diler RS, Segreti AM, **Ladouceur CD**, Almeida JRC, Birmaher B, Axelson DA, Phillips ML, Pan L. Neural correlates of treatment in adolescents with bipolar depression during response inhibition. *Journal of Child and Adolescent Psychopharmacology*. 2013, 23(3):214-21. PMID: 23607410; PMCID: PMC3678567.
- 34) Oliveira L, **Ladouceur CD**, Phillips ML, Brammer M, Mourão-Miranda J. What does brain response to neutral faces tell us about major depression? Evidence from machine learning and fMRI. *PLoS ONE*. 2013 8(4):e60121. doi: 10.1371/journal.pone.0060121. PMID: 23560073; PMCID: PMC3613341.
- 35) Birmaher B, Goldstein B, Axelson DA, Monk K, Hickey MB, Fan J, Iyengar S, Ha W, Brent D, **Ladouceur CD**, Sakolsky D, Kupfer D. Mood lability symptomatology among offspring of parents with bipolar disorder and community controls. *Bipolar Disorders*. 2013 15(3):253-63. PMID: 23551755; PMCID: PMC3644367.
- 36) 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. *Journal of Anxiety Disorders*. 2013 27(5):439-446. PMID: 23851000; PMCID: PMC3766422.
- 37) Diler RS, Almeida JR, **Ladouceur CD**, Birmaher B, Axelson A, Phillips ML. Neural activity to intense positive versus negative stimuli can help differentiate bipolar disorder from unipolar major depressive disorder in depressed adolescents: a pilot fMRI study. *Psychiatry Research*. 2013 214(3):277-284. PMID: 24080517; PMCID: PMC3856642.
- 38) Tavitian LR, **Ladouceur CD**, Nahas Z, Khater B, Brent D, Maalouf F. Neutral face distracters differentiates performance between depressed and healthy adolescents during an emotional working memory task. *European Child & Adolescent Psychiatry*. 2014 23(8):659-667. PMID: 24248754; PMCID: PMC3601380.
- 39) Diler RS, Pan LA, Segreti AM, **Ladouceur CD**, Forbes EE, Romero-Cela S, Almeida JRC, Birmaher B, Axelson DA, Phillips ML. Differential anterior cingulate activity during response inhibition in depressed adolescents with bipolar and unipolar major depressive disorder. *Journal of the Canadian Academy of Child and Adolescent Psychiatry*. 2014 23(1):10-19. PMID: 24516473; PMCID: PMC3917665.
- 40) Price RB, Siegle GJ, Silk JS, **Ladouceur CD**, McFarland A, Dahl RE, Ryan ND. Looking under the hood of the dot-probe task: an fMRI study in anxious youth. *Depression and Anxiety*. 2014 31(3):178-187. PMID: 24578016; PMCID: PMC3992818.
- 41) Sparks GM, Axelson DA, Yu H, Ha W, Ballester J, Diler RS, Goldstein B, Goldstein T, Hickey MB, **Ladouceur CD**, Monk K, Sakolsky D, Birmaher B. Disruptive mood dysregulation disorder and chronic irritability in youth at familial risk for bipolar disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2014 53(4):408-416. PMID: 24655650; PMCID: PMC4049528.
- 42) Spielberg JM, Forbes EE, **Ladouceur CD**, Worthman CM, Olino TM, Ryan ND, Dahl RE. Pubertal testosterone influences threat-related amygdala-orbitofrontal coupling. *Social Cognitive and Affective Neuroscience Journal*. 2015 10(3):408-415. PMID: 24795438; PMCID: PMC4350481.
- 43) Price RB, Kuckertz JM, Siegle GJ, **Ladouceur CD**, Silk JS, Ryan ND, Dahl RE, Amir N. Empirical recommendations for improving the stability of the dot-probe task in clinical research. *Psychological Assessment*. 27(2):365-376. Erratum in: *Psychol Assess*. 2015 Jun; 27(2):376. PMID: 25419646; PMCID: PMC4442069.
- 44) Manelis A, **Ladouceur CD**, Graur S, Monk K, Bonar LK., Hickey MB, Dwojak AC, Axelson D, Goldstein BI, Goldstein TR, Bebko G, Bertocci MA, Hafeman DM, Gill MK, Birmaher B, Phillips ML. Altered amygdala-prefrontal response to facial emotion in offspring of parents with bipolar disorder. *Brain*. 2015 138(9):2777-2790. PMID: 26112339; PMCID: PMC4643621.
- 45) Spielberg JM, Galarce EM, **Ladouceur CD**, McMakin DL, Olino TM, Forbes EE, Silk JS, Ryan ND, Dahl RE. Adolescent development of inhibition as a function of SES and gender: Converging evidence from behavior and fMRI. *Human Brain Mapping*. 2015 36(8):3194-3203. PMID: 24795438; PMCID: PMC4513362.
- 46) Manelis A, **Ladouceur CD**, Graur S, Mond K, Bonar L, Hickey MB, Dwojak AC, Axelson D, Goldstein BI, Goldstein TR, Bebko G, Bertocci MA, Gill MK, Birmaher B, Phillips ML. Altered functioning of reward circuitry in youth offspring of parents with bipolar disorder. *Psychological Medicine*. 2016 46(1):197-208. PMID: 26112339; PMCID: PMC4674341.
- 47) Allen KB, Silk JS, Meller S, Tan PZ, **Ladouceur CD**, Sheeber LB, Forbes EE, Dahl RE, Siegle GJ, McMakin DL, Ryan ND. Parental autonomy granting and child perceived control: Effects on the everyday emotional experience of anxious youth. *Journal of Child Psychology and Psychiatry*. 2016 57(7):835-842. PMID: 26549516; PMCID: PMC4861695.
- 48) Price RB, Rosen D, Siegle GJ, **Ladouceur CD**, Tang K, Benoit Allen K, Ryan ND, Dahl RE, Forbes EE, Silk JS. From anxious youth to depressed adolescents: prospective prediction of 2-year depression symptoms via attentional bias measures. *Journal of Abnormal Psychology*. 2016 125(2):267-278. PMID: 26595463; PMCID: PMC4747845.
- 49) Silk JS, Tan PZ, **Ladouceur CD**, Meller SM, Siegle GJ, McMakin DL, Forbes EE, Dahl EE, Kendall

- PC, Mannarino A, Ryan ND. A randomized clinical trial comparing individual cognitive behavioral therapy and child-centered therapy for child anxiety disorders. *Journal of Clinical Child and Adolescent Psychology*. 2016 16:1-13. PMID: 26983904; PMCID: PMC5218980.
- 50) Oppenheimer CW, **Ladouceur CD**, Waller JM, Ryan ND, Benoit Allen K, Sheeber L, Forbes EE, Dahl RE, & Silk J. Emotion socialization in anxious youth: parenting buffers emotional reactivity to peer negative events. *Journal of Abnormal Child Psychology*. 2016 44(7):1267-78. PMID: 26783026; PMCID: PMC4955624.
- 51) Kerestes R, Segreti AM, Pan LA, Phillips ML, Birmaher B, Brent DA, **Ladouceur CD**. Altered neural function to happy faces in adolescents with and at risk for depression. *Journal of Affective Disorders*. 2016 1(192):143-152. PMID: 26724693; PMCID: PMC4837954.
- 52) Price RB*, Allen KB*, Silk JS, **Ladouceur CD**, Ryan ND, Dahl RE, Forbes EE, Siegle GJ. Vigilance in the laboratory predicts avoidance in the real world: a dimensional analysis of neural, behavioral, and ecological momentary data in anxious youth. *Developmental Cognitive Neuroscience*. 2016 3(19):128-136. PMID 27010577; PMCID: PMC4912858. ***co-first author**
- 53) Soehner AM, Bertocci MA, Manelis A, Bebko G, **Ladouceur CD**, Graur S, Monk K, Bonar LK, Hickey MB, Axelson D, Goldstein BI, Goldstein TR, Birmaher B, Phillips ML. Preliminary investigation of the relationships between sleep duration, reward circuitry function, and mood dysregulation in youth offspring of parents with bipolar disorder. *Journal of Affective Disorders*. 2016 205:144-153. PMID: 27442458; PMCID: PMC5129838.
- 54) Bertocci MA, Bebko G, Dwojak A, Iyengar S, **Ladouceur CD**, Fournier J, Versace A, Perlman SB, Almeida JR, Travis M, Gill MK, Bonar L, Schirda C, Diwadkar VA, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Frazier TW, Arnold LE, Fristad MA, Youngstrom EA, Findling RL, Phillips ML. Longitudinal relationships among activity in attention redirection neural circuitry and symptom severity in youth. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. 2017 2(4):336-345. PMID: 28480336; PMCID: PMC5416876.
- 55) Wallace ML, Silk JS, Rosen D, Forbes EE, **Ladouceur CD**, Ryan ND, Siegle GJ, Dahl RE, Kendall PC, Mannarino A, McMakin DL. The role of day-to-day emotions, sleep, and social interactions in pediatric anxiety treatment. *Behaviour Research and Therapy*. 2017 90:87-95. PMID: 28013054; PMCID: PMC5272778.
- 56) Morgan JK, Lee GE, Wright AGC, Gilchrist DE, Forbes EE, McMakin DL, Dahl RE, **Ladouceur CD**, Siegle GJ, Ryan ND, Silk JS. Altered positive affect in clinically anxious youth: The role of social context and anxiety subtype. *Journal of Abnormal Psychology*. 2017 45(7):1461-1472. PMID: 28032272; PMCID: PMC5491376.
- 57) Kerestes R, Chase HW, Phillips ML, **Ladouceur CD**, Eickhoff SB. Multimodal evaluation of the amygdala's functional connectivity. *NeuroImage*. 2017. 148:219-229. PMID: 28089676; PMCID: PMC5416470.
- 58) Silk JS, Lee KH, Kerestes R, Griffith J, Dahl RE, & **Ladouceur CD**. "Loser" or "Popular"? Neural response to social status words in adolescents with major depressive disorder. *Developmental Cognitive Neuroscience*. 2018 28:1-11. PMID: 29028595; PMCID: PMC5783544.
- 59) Griffith, JM, Silk, JS, Oppenheimer, CW, Morgan, JK, **Ladouceur CD**, Forbes, EE, Dahl, RE. Maternal affective expression and adolescents' subjective experience of positive affect in natural settings. *Journal of Research on Adolescence*. 2018 28(2):537-550. PMID: 29057589; PMCID: PMC5913005.
- 60) **Ladouceur CD**, Schlund MW, Segreti AM. Positive reinforcement modulates fronto-limbic systems subserving emotional interference in adolescents. *Behavioural Brain Research*. 2018 15;338:109-117. PMID: 29079512; PMCID: PMC6338073.
- 61) Lee KH, Oppenheimer CW, Siegle GJ, **Ladouceur CD**, Lee GE, Dahl RE, Silk JS. Prefrontal cortical response to negative social words links social risk to depressive symptoms in adolescence. *Journal of Research on Adolescence*. 2018 28(1):87-102. PMID: 29460362; PMCID: PMC5926184.
- 62) **Ladouceur CD**, Tan P, Sharma V, Bylsma L, Silk J, Siegle G, Forbes E, McMakin DL, Dahl RE, Kendall PC, Mannarino A, Ryan ND. Error-related brain activity in pediatric anxiety disorders remains

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- elevated following individual therapy: a randomized clinical trial. *Journal of Child Psychology and Psychiatry*. 2018 59(11):1152-1161. PMID: 29603219; PMCID: PMC6165715.
- 63) Ricketts E, Price R, Siegle G.J., Silk JS, Forbes EE, **Ladouceur CD**, Harvey AG, Ryan ND, Dahl RE, McMakin DL. Vigilant attention to threat, sleep disturbance and anxiety in peri-pubertal youth. *Journal of Child Psychology and Psychiatry*. 2018 59(12):1309-1322. PMID: 29718535; PMCID: PMC6214801.
- 64) Versace A, **Ladouceur CD**, Graur S, Acuff HE, Bonar L, Monk K, McCaffrey A, Yendiki A, Leemans A, Travis M, Diwadkar D, Holland S, Sunshine J, Kowatch R, Horwitz S, Frazier T, Arnold E, Fristad M, Youngstrom E, Findling R, Goldstein B, Goldstein T, Axelson D, Birmaher B, Phillips ML. Diffusion imaging markers of bipolar versus general psychopathology risk in youth at-risk. *Neuropsychopharmacology*. 2018 43(11):2212-2220. PMID: 29795244; PMCID: PMC6135796.
- 65) Tan PZ, Silk JS, Dahl RE, Kronhaus D, **Ladouceur CD**. Age-related developmental and individual differences in the influence of social and non-social distractors on cognitive performance. *Frontiers Psychology*. 2018 Jun 8;9:863. PMID: 29937742; PMCID: PMC6002742.
- 66) Acuff HE, Versace A, Bertocci MA, **Ladouceur CD**, Hanford LC, Manelis A, Monk K, Bonar L, McCaffrey A, Goldstein BI, Goldstein TR, Sakolsky D, Axelson D, Birmaher B, Phillips ML, LAMS Consortium. Association of neuroimaging measures of emotion processing and regulation neural circuitries with symptoms of Bipolar Disorder in offspring at risk for Bipolar Disorder. *Journal of the American Medical Association Psychiatry*. 2018 75(12):1241-125. PMID: 30193355; PMCID: PMC6528787.
- 67) Bertocci MA, Hanford L, Manelis A, Iyengar S, Youngstrom EA, Gill MK, Monk K, Versace A, Bonar L, Bebko G, **Ladouceur CD**, Perlman SB, Diler R, Horwitz SM, Arnold LE, Hafeman D, Travis MJ, Kowatch R, Holland SK, Fristad MA, Findling RL, Birmaher B, Phillips ML. Clinical, cortical thickness and neural activity predictors of future affective lability in youth at risk for bipolar disorder: Initial discovery and independent sample replication. *Molecular Psychiatry*. 2019 24:1856–1867 PMID: 31628415; PMCID: PMC6814510.
- 68) Acuff HE, Versace A, Bertocci MA, Hanford LC, **Ladouceur CD**, Manelis A, Monk K, Bonar L, McCaffrey A, Goldstein BI, Goldstein TR, Sakolsky D, Axelson D, LAMS Consortium, Birmaher B, Phillips ML. White matter - emotion processing activity relationships in youth offspring of bipolar parents. *Journal of Affective Disorders*. 2018 243:153-164. PMID: 30243195; PMCID: PMC6476540.
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- 3) **Ladouceur C**, Pagé P, & Gravel F (July 1994). Component analysis of preschool children's social thinking: an empirical study. 13th Biennial International Society for the Study of Behavioural Development (ISSBD), Amsterdam, The Netherlands, (Abstract p. 342).
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- 5) **Ladouceur C** & Reid L (August 1996). Reliability and construct validity of the Parents' Reaction to Children's Positive Emotions Scale (PRCPS). 14th Biennial International Society for the Study of

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 - 7) **Ladouceur C** & Reid L (June 2000). Social interaction and children's representational understanding of emotions. 13th Annual Meeting of the Jean Piaget Society, Montreal, Quebec.
 - 8) **Ladouceur CD**, Dahl RE, Casey BJ, Birmaher B, Williamson DE, Ryan ND (May 2002). Altered emotion-related information processing in pediatric anxiety and depression. 57th Annual Convention of the Society of Biological Psychiatry, Philadelphia, PA, 51(8), 38S.
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 - 11) Dahl RE, Lerner J, Hariri AR, **Ladouceur CD**, Carter C, Ryan ND (December 2005). Affective influences on decision making in adolescents. Meeting of The American College of Neuropsychopharmacology (ACNP), St Juan, Puerto Rico, 29, p. S4-S5.
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- 35) Kerestes K, **Ladouceur CD**, Meda S, Blumberg H, Nathan P, Maloney K, Rufl B, Saricicek A, Pearlson G, Bhagwagar Z, Phillips ML. (June 2009) A novel paradigm for examining interfering effects of emotional distracters during a working memory task. Human Brain Mapping, San Francisco, CA.
- 36) Kerestes K, **Ladouceur CD**, Meda S, Blumberg H, Nathan P, Maloney K, Ruf B, Saricicek A, Pearlson G, Bhagwagar Z. Phillips ML. (May 2010). Persisting abnormal lateral PFC activation in remitted depressed patients during the performance of an emotional working memory paradigm. Society for Biological Psychiatry Conference, New Orleans, Louisiana, 67(9), 141S.
- 37) **Ladouceur CD**, Farchione TR, Pruitt P, Diwadkar V, Axelson DA, Birmaher B, & Phillips ML. (May 2010). Reduced lateral prefrontal cortex activation during an emotional working memory task in pediatric bipolar disorder. Society for Biological Psychiatry Conference, May 20-23, 2010, New Orleans, Louisiana, 67(9), 65S.
- 38) **Ladouceur CD**, Farchione TR, Birmaher B, Axelson DA, Kupfer DJ, Phillips ML. (October 2010). Neural systems underlying voluntary attentional control processes in the context of emotion in youth at risk for and diagnosed with bipolar disorder. In **CD Ladouceur** and M DelBello (Chairs), Neural Systems of Emotion Regulation and Early Intervention in Youth at Risk for Bipolar Disorder, American Academy of Child and Adolescent Psychiatry, New York, New York.
- 39) **Ladouceur CD**, Farchione TR, Diwadkar V, Pruitt P, Radwan J, Axelson DA, Birmaher B, & Phillips ML. (December 2010). Differential patterns of abnormal amygdala-prefrontal cortical activity and connectivity to emotional faces in bipolar and bipolar NOS youth. Meeting of The American College of Neuropsychopharmacology (ACNP), Hollywood, Florida (Abstract #141).
- 40) **Ladouceur CD**, Dahl RE, Birmaher B, Axelson DA, Ryan ND. (April 2011). Response monitoring ERPs in childhood anxiety and depression. In JC McPartland and MJ Crowley (Chairs), Child Psychopathology and Neural Probes of Core Processes, Society for Research in Child Development, Montreal, Canada.
- 41) Perlman S, **Ladouceur CD**, Farchione TR, Romero S, Birmaher B, Axelson DA, Phillips ML. (April 2011). Neural mechanisms for attentional control in adolescents at-risk for bipolar disorder. Society for Research in Child Development, Montreal, Canada.
- 42) Conner OL, McFarland A, Ichikawa N, Silk JS, **Ladouceur CD**, Siegle GJ. (March 2011). Mom, it helps when you're right here! attenuation of neural stress markers in anxious adolescents whose mothers are present during fMRI. 31st Annual Conference of Anxiety Disorders Association of America. New Orleans, Louisiana. (Abstract #63).
- 43) Siegle GJ, Ichikawa NI, McFarland A, **Ladouceur CD**, Silk JS, Dahl RE, Ryan ND. (March 2011). Prediction of response to CBT for adolescent anxiety using fMRI. 31st Annual Conference of Anxiety Disorders Association of America. New Orleans, Louisiana. (Abstract #107).
- 44) Mandel DL, Ichikawa N, McFarland A, Silk JS, **Ladouceur CD**, Ryan ND, Siegle GJ. (March 2011). Neural correlates of somatic symptomatology in anxious youth. 31st Annual Conference of Anxiety Disorders Association of America. New Orleans, Louisiana. (Abstract #108).
- 45) **Ladouceur CD**, Belleau ES, Birmaher B, Axelson DA, Phillips ML. (May 2011). Deficits in attentional control processes in youth at high familial risk for bipolar disorder and unipolar depression: potential endophenotype for mood disorders? In ML Phillips and H. Young (Chairs), Unipolar versus Bipolar Depression: Neurobiology Informing Diagnosis and Future Intervention, 66th Annual Convention of the Society for Biological Psychiatry Conference, San Francisco, 69(9), 100S.
- 46) **Ladouceur CD**, Dahl RE, Birmaher B, Axelson DA, Phillips ML. (May 2011). Influence of puberty on neural systems of emotion processing and regulation in healthy bipolar offspring: preliminary data. 66th Annual Convention of the Society for Biological Psychiatry Conference, San Francisco, 69(9), 159S.
- 47) **Ladouceur CD**, Versace A, Phillips ML, Velanova K, Luna B, Pelham WE, Wilson T, Gnagy E, Molina B. (May 2011). Altered prefrontal activation during an emotional working memory task in adults with childhood ADHD relative to healthy adults: preliminary findings. 66th Annual Convention of

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- the Society for Biological Psychiatry Conference, San Francisco, 69(9), 46S
- 48) Versace A, **Ladouceur CD**, Phillips ML, Velanova K, Luna B, Pelham WE, Wilson T, Gnagy E, Molina B. (May 2011). White matter integrity in adults with childhood ADHD relative to healthy adults: preliminary findings. 66th Annual Convention of the Society for Biological Psychiatry Conference, San Francisco, 69(9), 159S.
- 49) Versace A, **Ladouceur C.**, Farchione TR, Phillips ML. (May 2011). White matter integrity in bipolar youth relative to high and low risk healthy youth. 66th Annual Convention of the Society for Biological Psychiatry Conference, San Francisco, 69(9), 254S.
- 50) Kerestes R, Bhagwagar Z, Meda S, **Ladouceur CD**, Nathan P, Maloney K, Ruf B, Saricicek A, Wang F, Pearlson G, Phillips ML, Blumberg H. (May 2011). Prefrontal dysfunction during implicit emotional face processing in remitted major depressive disorder. 66th Annual Convention of the Society for Biological Psychiatry Conference, San Francisco, 69(9), 167S.
- 51) Bertocci MA, Bebko GM, Mullin BC, **Ladouceur CD**, Almeida JRC, Phillips ML. (May 2011). Differential patterns of abnormally elevated dorsal anterior mid cingulate cortical and putamen activity during emotion regulation in bipolar and recurrent unipolar depressed females. 66th Annual Convention of the Society for Biological Psychiatry Conference, San Francisco, 69(9), 47S.
- 52) Olino TM, McMakin DL, Ryan ND, **Ladouceur CD**, Forbes EE, Siegle GJ, Dahl RE, Kendall PC, & Silk JS. (April 2012). Therapeutic alliance differentially moderates treatment response across phases of CBT in anxious youth. 32nd Annual Meeting of the Anxiety Disorders Association of America, Arlington, VA.
- 53) **Ladouceur CD**, Versace A, Phillips ML, Velanova K, Pelham WE, Wilson T, Gnagy E, Molina BSG. (June 2011). Prefrontal activation implicated in attentional control of emotion in adult ADHD. International Society for Research in Child and Adolescent Psychopathology Conference, Chicago, IL.
- 54) Versace A, **Ladouceur CD**, Phillips ML, Velanova K, Pelham WE, Wilson T, Gnagy E, Molina BSG. (June 2011) White matter integrity in adults with childhood ADHD relative to healthy adults: preliminary findings. International Society for Research in Child and Adolescent Psychopathology Conference, Chicago, IL.
- 55) **Ladouceur CD**, Dahl RE. (October 2011). Developmental neuroscience and treatment studies: identifying windows of new opportunity. In CA Boyce and SD Lynne-Landsman (Chairs), Innovations for Integrating Translational Neuroscience and Adolescent Drug Abuse Treatment, American Academy of Child and Adolescent Psychiatry, Toronto, ON, Canada.
- 56) Siegle GJ, Thompson WS, Friedman ES, Thase ME, Collier A, McFarland A, **Ladouceur CD**, Silk JS, Dahl RE, Ryan ND. (May 2011) Neural similarities between anxious youth and depressed adults. 67th Annual Convention of the Society for Biological Psychiatry Conference, San Francisco, CA.
- 57) Sparks GM, Axelson DA, Ha W, Ballester J, Diler RS, Goldstein B, Goldstein T, Hickey MB, **Ladouceur CD**, Monk K, Salolsky D, Birmaher B. (October 2011). Disruptive mood dysregulation disorder in youth at familial risk for bipolar disorder. Poster, American Academy of Child and Adolescent Psychiatry Annual Meeting.
- 58) Diler RS, Phillips ML, Birmaher B, Almeida JR, **Ladouceur CD**, Axelson D. (October 2011). Neural activity to positive stimuli may differentiate bipolar disorder from major depressive disorder in depressed youth. Scientific Proceedings of the AACAP and CACAP Joint Annual Meeting, Toronto, Canada, pp. 335.
- 59) Diler RS, Phillips ML, Birmaher B, Almeida JR, **Ladouceur CD**, Axelson D. (March, 2012). Emotional face processing in depressed youth with bipolar disorder versus major depressive disorder. 5th Biennial Conference of the International Society of Bipolar Disorders, Istanbul, Turkey.
- 60) Velanova K, Versace A, **Ladouceur CD**, Luna B, Molina B. (June 2011). Functional-anatomic correlates of controlled processing in adult ADHD: impairment and IQ. Poster presented at the Poster presented at the 17th annual meeting of the Human Brain Mapping. Quebec, QC, Canada.
- 61) Diler RS, Pan L, Tomlanovich AM Almeida JR, **Ladouceur CD**, Axelson D, Birmaher B, Phillips ML. (October 2012). Increased anterior cingulate activity in depressed adolescents during response

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- inhibition is associated with bipolar disorder not unipolar major depressive disorder. Scientific Proceedings of the 59th AACAP Annual Meeting, San Francisco, LA, pp. 228.
- 62) Phillips ML, Chase H, **Ladouceur CD**. (May, 2013). Amygdala-ventrolateral prefrontal cortical functional connectivity: risk biomarkers for bipolar disorder in adults and youth. 68th Annual Convention of the Society for Biological Psychiatry, San Francisco, CA.
- 63) **Ladouceur CD**, Dahl RE, Birmaher B., Axelson DA, Phillips ML. (April 2013). Influence of puberty on neural systems implicated in emotion regulation in unaffected bipolar offspring. In **CD Ladouceur** (Chair), Endocrine Influences on Adolescent Brain Development: Implications for Psychopathology, Society for Research in Child Development, Seattle, WA.
- 64) Tan P, **Ladouceur CD**, Silk JS. (April 2013). Developmental differences in the processing of dynamic facial expressions. Society for Research in Child Development, Seattle, WA.
- 65) Lee KH, Siegle GJ, Lee GE, **Ladouceur CD**, Dahl RE, & Silk JS. (June 2013). Neural response to negative socioemotional information in adolescents with major depressive disorder. 19th annual meeting of the Human Brain Mapping. Seattle, WA.
- 66) **Ladouceur CD**, Schlund M, Anticevic M, Anticevic A, Barch D. (September 2013). Effects of emotional distracters and reinforcement on neural systems of attentional control in adolescents. Flux Conference, Pittsburgh, PA.
- 67) Schlund M, **Ladouceur CD**, Anticevic A, Barch D, Magee S, Cataldo M. (November 2013). Neuroimaging attentional control in adolescents: effects of emotional distracters and reinforcement. Society for Neuroscience, San Diego, CA.
- 68) Lee GE, Gilchrist DE, Morgan JK, Forbes EE, McMakin DL, Dahl RE, **Ladouceur CD**, Ryan ND, & Silk JS. (November 2013). Positive peer interactions in anxious children: an ecological momentary study. 47th annual Association for Behavioral and Cognitive Therapies Convention, Nashville, Tennessee.
- 69) Meller S, Silk JS, Tan P, McMakin DL, Forbes EE, **Ladouceur CD**, Siegle GJ, & Ryan ND. (November 2013). Parental expressed emotion and one year treatment outcome in child anxiety. Positive peer interactions in anxious children: an ecological momentary study. Poster presented at the 47th annual Association for Behavioral and Cognitive Therapies Convention, Nashville, Tennessee.
- 70) Price R, Silk JS, Siegle GJ, **Ladouceur CD**, McFarland A, Dahl RE, & Ryan ND. (November 2013). Looking under the hood of the Dot-Probe Task: an fMRI study in anxious youth neural mechanisms. Paper presented in Symposium entitled Neural mechanisms of Attention Bias and Attention Bias Modification: Cognitive Neuroscience Meets Cognitive-Behavioral Theory at the 47th annual Association for Behavioral and Cognitive Therapies Convention, Nashville, Tennessee.
- 71) Siegle GJ, Graur S, Price R, **Ladouceur CD**, Silk JS, & Ryan ND. (November 2013). Changes in neural mechanisms of vigilance and avoidance in CBT for youth anxiety. Paper presented in Symposium entitled Dimensional Constructs and Neural Correlates of CBT Treatment Outcome in Anxiety Disorders at the 47th annual Association for Behavioral and Cognitive Therapies Convention, Nashville, Tennessee.
- 72) Allen KB, Meller S, Ryan ND, Ladouceur CD, Sheeber L, Forbes EE, Dahl R., Siegle GJ, McMakin D, & Silk JS, (March 2014). Parental anxiety and anxiogenic parenting: effects on the everyday emotional experience of anxious children. Paper presented at the Anxiety and Depression Association of America Meeting, Chicago, IL.
- 73) **Ladouceur CD**. (April 2014). Adolescent fronto-limbic development, puberty and affective disorders. In Janice Juraska (Chair) Sex Differences in Neural Development during Adolescence and Affective Disorder Vulnerabilities. Symposium presented at the Organization for the Study of Sex Differences, Minneapolis, MN.
- 74) Manelis A, **Ladouceur CD**, Graur S, Monk K, Bonar LK, Hickey MB, Bebko G, Bertocci MA, Birmaher B, Phillips ML. (May 2014). Altered functioning of reward circuitry during processing of loss in youth at-risk for bipolar disorder. Poster presented at the Society for Research in Biological Psychiatry, 75 (9), 198S.

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- 75) Manelis A, **Ladouceur CD**, Graur S, Monk K, Bonar LK, Hickey MB, Bebko G, Bertocci MA, Birmaher B, Phillips ML. (May 2014). Youth at risk of bipolar disorder show altered patterns of activation in striatal and visual cortical regions during processing of happy and angry faces. Poster presented at the Society for Research in Biological Psychiatry, 75 (9), 328S.
- 76) Graur S, **Ladouceur CD**, Manelis A., Monk K, Bonar LK, Bebko G, Bertocci MA, Birmaher B, Phillips ML. (May 2014). Early impulsivity in youth at familial risk of bipolar disorder. Poster presented at the Society for Research in Biological Psychiatry, 75 (9), 330S.
- 77) **Ladouceur CD**, Birmaher B, Phillips ML, Dahl RE. (May 2014). Greater amygdalar response to fearful faces with increasing pubertal status in unaffected girls at familial risk for mood disorders. Poster presented at the Society for Research in Biological Psychiatry, 75(9), 331S.
- 78) Forbes EE, Silk JS, **Ladouceur CD**, Dahl RE, Siegle G, Musselman S, Schlund M, Ryan ND. (November 2014). Frontostriatal response to monetary reward predicts response to cognitive behavioral therapy in youth with anxiety. In JS Silk (Chair), First Look at Results From the Pittsburgh Child Anxiety Treatment Study. Symposium presented at the 48th Annual Convention of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA, November, 2014.
- 79) **Ladouceur CD**, Tan P, Silk JS, Allen KB, Sharma V, Siegle GJ, Dahl RE, & Ryan N. (March 2015). Parenting strategies during a stressful event are linked to error-related brain activity in anxious youth. In C. D. Ladouceur (Chair), Neurobiological influences of parenting in emotionally salient contexts: Implications for adolescent physical and mental health. Symposium presented at the Society for Research on Child Development Meeting, Philadelphia, PA.
- 80) Silk JS, Elliott R, **Ladouceur CD**, Dahl RE, Forbes EE, Ryan N., & Siegle GJ (March 2015). Parental socialization of anxiety is associated with early adolescents' neural response to threat. In **CD Ladouceur** (Chair), Neurobiological influences of parenting in emotionally salient contexts: Implications for adolescent physical and mental health. Symposium presented at the Society for Research on Child Development Meeting, Philadelphia, PA.
- 81) **Ladouceur CD**. (March 2015). The influence of puberty on the functioning of frontolimbic circuitry in girls at familial risk of mood disorders. In CD Ladouceur (Chair), The Role of Sex Hormones in Emotions and Behavior: Implications for Understanding Vulnerability for Psychopathology. Symposium presented at the International Convention of Psychological Science (ICPS), Amsterdam, The Netherlands.
- 82) **Ladouceur CD** (March 2015). Discussant in S. Schweizer (Chair). Affective working memory: insights from cognitive sciences, neuroscience, genetics, clinical sciences and training studies. Symposium presented at the International Convention of Psychological Science (ICPS), Amsterdam, The Netherlands.
- 83) Lee KH, Silk JS, Lee G, **Ladouceur CD**, Dahl RE, & Siegle GJ. (March 2015). Neural response to social status information mediates the relationship between depressive symptoms and peer victimization. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- 84) Morgan J, Lee G, Gilchrist D, Forbes EE, McMakin D, Dahl RE, **Ladouceur CD**, Siegle GJ, Ryan ND, & Silk JS. (March 2015). The social context of positive affect in clinically anxious youth. In E. van Roekel (Chair), Momentary positive emotions and experiences in adolescence: Relations with depressive symptoms, anxiety, and resilience. Symposium presented at the Society for Research on Child Development Meeting, Philadelphia, PA.
- 85) **Ladouceur CD**, Tan P, Silk JS, Allen KB, Sharma V, Siegle GJ, Dahl RE, & Ryan ND (May 2015). Parent's socialization of emotion regulation is associated with error-related brain activity in anxious youth. In R. J. Brooker (Chair), The margins of error: Characterizing the developing ERN in association with markers of mental health from preschool to late childhood. Symposium presented at the Association for Psychological Science Meeting, New York, NY.
- 86) Graur, S, **Ladouceur CD**, Manelis A, Monk K, Bonar LK, Hickey MB, Dwojak AC, Axelson D, Goldstein BI, Goldstein TR, Bebko GM, Bertocci MA, Hafeman DM, Gill MK, Birmaher B, Phillips ML. (May 2015). Age-related effects on response inhibition in youth at familial risk for bipolar disorder.

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Society of Biological Psychiatry 70th Annual Meeting. Toronto, ON, Canada.

- 87) Kerestes R, Segreti AM, Pan L, Phillips ML, Birmaher B, **Ladouceur CD** (May 2015). Distinct patterns of functional connectivity in emotion processing neural circuitry to happy faces in adolescents with and at risk for major depressive disorder. Society of Biological Psychiatry 70th Annual Meeting. Toronto, ON, Canada.
- 88) Manelis A, **Ladouceur CD**, Graur S, Monk K, Bonar LK, Hickey MB, Axelson D, Goldstein BI, Goldstein TR, Bebko G, Hafeman DM, Gill MK, Birmaher B, Phillips ML. (May 2015). Prediction of excessive mood lability in offspring of bipolar parents by abnormally elevated functional connectivity between right amygdala (amygdala) and left ventrolateral prefrontal cortex (LvIPFC). Society of Biological Psychiatry 70th Annual Meeting. Toronto, ON, Canada.
- 89) Bertocci MA, Bebko G, Dwojak A, **Ladouceur CD**, Versace A, Fournier J, Almeida JRC, Perlman SB, Travis MJ, Gill MK, Bonar L, Schirda C, Diwadkar VA, Sunshine JL, Holland SK, Kowatch RA, Birmaher B, Axelson D, Horwitz SM, Arnold LE, Fristad MA, Findling RL, Phillips ML. (May 2015). An examination of change in neural function supporting change in measures of dysregulation. Society of Biological Psychiatry 70th Annual Meeting. May 2015. Toronto, ON, Canada.
- 90) Soehner AM, Bertocci M, **Ladouceur CD**, Graur S, Monk K, Bonar LK, Hickey MB, Axelson D, Goldstein BI, Goldstein TR, Bebko G, Hafeman DM, Gill MK, Birmaher B, Phillips ML (May 2015). Associations between sleep duration, neural activity and connectivity during an fMRI reward paradigm, and emerging manic symptoms in youth at risk for bipolar disorder. Society of Biological Psychiatry 70th Annual Meeting. Toronto, ON, Canada.
- 91) Soehner AM, Bertocci M, **Ladouceur CD**, Graur S, Monk K, Bonar LK, Hickey MB, Axelson D, Goldstein BI, Goldstein TR, Bebko G, Hafeman DM, Gill MK, Birmaher B, Phillips ML. (June 2015). Associations between sleep duration, neural activity and connectivity during an fMRI reward paradigm, and emerging manic symptoms in youth at risk for bipolar disorder. SLEEP Meeting. Seattle, WA, USA.
- 92) Stone LB, Silk JS, Waller J, **Ladouceur CD**, Forbes EE, & Ryan ND (November 2015). When social support fails: ecological momentary assessment of anxious youths' social regulation of negative affect with parents and peers in their daily lives. Poster presented at the Annual Meeting of the Association for Behavioral and Cognitive Therapy (ABCT), Chicago, IL.
- 93) Mennies RJ, Stone LB, **Ladouceur CD**, Ryan N, Jones N, & Silk JS. (November 2015). Worry and rumination in anxious youth: predictors of habituation during exposure therapy? Poster presented at the Annual Meeting of the Association for Behavioral and Cognitive Therapy (ABCT), Chicago, IL.
- 94) Allen KB, Tang K, Price RB, Siegle GJ, **Ladouceur CD**, Ryan ND, & Silk JS. (November 2015). Pupillary and eye tracking indices of attention bias predict the development of depressive symptoms in anxious youth. In R. B. Price (Chair), Beyond reaction time bias: Neural, physiological, ecological, and clinical correlates of information processing mechanisms. Annual Meeting of the Association for Behavioral and Cognitive Therapy (ABCT), Chicago, IL.
- 95) Binnig S, Berry AD, Brewer AT, Schlund MW, **Ladouceur CD** (March 2016). Delay discounting in adolescence: effects of age and puberty. Eastern Psychological Association. New York City, NY.
- 96) Adams A, Rajput M, Bylsma LM, **Ladouceur CD**. Dampening of positive affect in offspring of parents with depression: potential risk factor for depression. (May, 2016) American Psychological Science Annual Convention, Chicago, IL.
- 97) Kerestes R, Schlund MW, Brewer A, **Ladouceur CD**. (April, 2016). Sex and puberty-specific influences on brain activation during reward anticipation in healthy adolescents, and associations with reward sensitivity. Wisconsin Symposium on Emotion, Madison, Wisconsin.
- 98) Kerestes R, Chase HW, Phillips ML, **Ladouceur CD**, Eickhoff SB. (May 2016). Multimodal evaluation of the amygdala's functional connectivity. Society of Biological Psychiatry, Atlanta, Georgia.
- 99) Hanfor LC, Manelis A, **Ladouceur CD**, Graur S, Monk K, Bonar LK, Hickey MB, Dwojak AC, Axelson D, Goldstein BI, Goldstein TR, Bebko G, Bertocci MA, Gill MK, Birmaher B, Phillips ML (May 2016). Traumatic life events and emotion face processing in offspring of parents diagnosed with Bipolar Disorder (BIOS Study). Society of Biological Psychiatry, Atlanta, Georgia.

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- 100) Kerestes R, Yeh FC, Versace A, **Ladouceur CD** (June 2016). Sex and puberty-specific influences on the white matter microstructure of the uncinate fasciculus. Organization for Human Brain Mapping, Geneva, Switzerland.
- 101) Elliott RD, Silk JS, **Ladouceur CD**, Forbes EE, Dahl RE, Ryan ND (October 2016) Effects of positive parental behavior on depressive and anxious symptom trajectories during adolescence. Annual Meeting of the Association for Behavioral and Cognitive Therapy (ABCT), New York, New York.
- 102) Phillips ML, Bertocci MA, Bebko G, Dwojak A, Iyengar S, **Ladouceur CD**, Fournier JC (October 2016). Longitudinal relationships among emotion regulation neural circuitry function and symptom severity in at-risk youth with bipolar disorder. American Academy of Child and Adolescent Psychiatry Annual Conference, New York, New York.
- 103) Silk JS, Price R, **Ladouceur CD**, Forbes EE, McMakin D, Siegle JS, Dahl RE, Ryan N (April 2017). The role of anxiety treatment in preventing the development of depressive symptoms in adolescence. In K Burkhouse (Chair), Novel Approaches to Predicting Treatment Outcomes in Pediatric Anxiety: Insights from Neuroimaging and Longitudinal Designs. Symposium presented at the Society for Research on Child Development Meeting, Austin, TX.
- 104) **Ladouceur CD** and Schlund M (April 2017). The tipping point: assessment of approach-avoidance decision making and implications for anxiety disorders in adolescence. In G Hajcak (Chair), Developmental trajectories of anxiety: Neural and behavioral mechanisms related to threat sensitivity. Symposium presented at the Society for Research on Child Development Meeting, Austin, TX.
- 105) **Ladouceur CD**, Kerestes R, Binnig S, Berry A, Schlund M, Shirtcliff E, Dahl RE (April 2017). Sex and puberty-specific influences on striatal activation to reward cues in healthy adolescents. In **CD Ladouceur** (Chair), Sex Steroids and Adolescent Brain Development: A Translational Approach to Understanding Vulnerabilities for Affective Disorders. Symposium presented at the Society for Research on Child Development Meeting, Austin, TX.
- 106) Bylsma L and **Ladouceur CD** (April 2017). Neural correlates of reward processing in youth at high and low familial risk for depression. In J Loughheed (Chair), Linking Family Emotion Socialization, Behavior, and Physiological Processes: Reward, Relationships, and Positive Contexts. Symposium presented at the Society for Research on Child Development Meeting, Austin, TX.
- 107) **Ladouceur CD** (Discussant) in A Schermerhorn (Chair) (April, 2017), Electrophysiological Mechanisms and Individual Differences in Emotion-cognition Interrelations in Children. Symposium presented at the Society for Research on Child Development Meeting, Austin, TX.
- 108) Versace A, Allen, B, Pelham WE, Molina, BSG, & **Ladouceur CD** (May 2017). Global probabilistic tractography and symptoms of anger & irritability in a prospectively characterized sample of adults with a childhood diagnosis of attention deficit-hyperactivity disorder. Poster presented at the Society of Biological Psychiatry 71st Annual Meeting. San Diego, CA.
- 109) **Ladouceur CD**. (September 2017). Differential patterns of neural functioning underlying attentional control of emotion in offspring at risk for mood disorders. Society for Research in Psychopathology. Denver, Colorado.
- 110) **Ladouceur CD**, Kerestes R, Bining S, Berry A, Schlund M, Shirtcliff E, & Dahl RE (December 2017). Sex steroid influences on striatal activation to reward cues in adolescence. In Panel M. Ernst & CD Ladouceur (Chairs), Sex Steroids and Adolescent Brain Development: A Translational Approach to Understanding Vulnerabilities to Psychopathology in Adolescence. American College of Neuropsychopharmacology, Palm Springs, CA.
- 111) Griffith J, Sequeira S, **Ladouceur CD**, & Forbes EE. (April 2018) An ecological momentary assessment study of adolescent girls' peer experiences: associations with social anxiety and depression. Poster presented at the Society for Research on Adolescence, Minneapolis, MN.
- 112) **Ladouceur CD** (Chair) (April 2018). Neurobiological mechanisms underlying reward processing in adolescents: evidence from fMRI and endocrine studies. Symposium presented at the Society for Research on Adolescence, Minneapolis, MN. In **CD Ladouceur** (Chair), Neurobiological

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Mechanisms Underlying Reward Processing in Adolescents: Evidence from fMRI and Endocrine Studies. Symposium presented at the Society for Research on Adolescence, Minneapolis, MN.

- 113) **Ladouceur CD**, Petal H, Shirtcliff E, Binnig S, Berry A, Dahl RE (April 2018). Adolescents with elevated levels of circulating dehydroepiandrosterone (DHEA) show greater sensitivity to immediate rewards. In **CD Ladouceur** (Chair), *Neurobiological Mechanisms Underlying Reward Processing in Adolescents: Evidence from fMRI and Endocrine Studies*. Symposium presented at the Society for Research on Adolescence, Minneapolis, MN.
- 114) Lee Y, Shirtcliff E, Binnig S, Berry A, **Ladouceur CD** (April 2018). Association between striatal activation to reward cues and dehydroepiandrosterone (DHEA) reactivity in healthy adolescents. In **CD Ladouceur** (Chair), *Neurobiological Mechanisms Underlying Reward Processing in Adolescents: Evidence from fMRI and Endocrine Studies*. Symposium presented at the Society for Research on Adolescence, Minneapolis, MN.
- 115) Sequeira SL, Silk JS, **Ladouceur CD.**, Hanson JL, Ryan ND, Morgan JK, & Forbes EE. (May 2018). Reward-related neural predictors of treatment response in anxious youth. Society of Biological Psychiatry's 73rd Annual Meeting, New York, NY.
- 116) Bertocci M, Hanford L, Versace A, Monk K, Bonar L, Iyengar S, Hafeman D, Bebko G, **Ladouceur CD**, Birmaher B, Phillips ML. Predicting future affective lability From neural circuitry function and gray matter in youth at risk for bipolar disorder. (May 2018). Society of Biological Psychiatry's 73rd Annual Meeting, New York, NY.
- 117) Soehner AM, Hanford L, Bertocci MA, **Ladouceur CD**, Graur S, Mccaffrey A, Monk K, Bonar LK, Hickey MB, Axelson D, Diler R, Goldstein BI, Goldstein TR, Birmaher B, Phillips ML. (May 2018). Fronto-temporo-occipital cortical thickness measures predict poor sleep quality in at-risk youth. Society of Biological Psychiatry's 73rd Annual Meeting, New York, NY.
- 118) **Ladouceur CD**, Jones N, Schlund M, Kerestes R (August 2018). Positive reinforcement modulates fronto-limbic systems subserving emotional interference in adolescents. Poster presented at the Flux Congress (Flux: The Society for Developmental Cognitive Neuroscience) Meeting, Berlin, Germany.
- 119) Jones N, Molina BSG, Versace A, Lindstrom RA, Wilson TK, Gnagy E, Pelham WE, & **Ladouceur CD.** (August 2018). Inhibitory control deficits over the immediate impulse for reward in adults with a history of attention deficit hyperactivity disorder: the role of elevated inattention symptoms. Poster presented at the Flux Congress (Flux: The Society for Developmental Cognitive Neuroscience) Meeting, Berlin, Germany.
- 120) Molina BSG, Lindstrom RA, Jones NP, Gnagy EM, Versace A, Wilson TK, Pelham WE, & **Ladouceur, CD** (August 2018). Concordance of self- and collateral-reported ADHD symptoms, anger-irritability, and impairment in a study of neural correlates of adult outcome for children with ADHD. Poster presented at the Flux Congress (Flux: The Society for Developmental Cognitive Neuroscience) Meeting, Berlin, Germany.
- 121) Molina BSG, Lindstrom RA, Jones NP, Gnagy EM, Versace A, Wilson TK, Pelham WE, & **Ladouceur CD** (August 2018). Concordance of self- and collateral-reported ADHD symptoms, anger-irritability, and impairment in a study of neural correlates of adult outcome for children with ADHD. Poster presented at the Flux Congress (Flux: The Society for Developmental Cognitive Neuroscience) Meeting, Berlin, Germany.
- 122) Soehner AM, Hanford L, Bertocci MA, **Ladouceur CD**, Graur S, Mccaffrey A, Monk K, Bonar LK, Hickey MB, Axelson D, Diler R, Goldstein BI, Goldstein TR, Birmaher B, & Phillips ML (August 2018). Thalamic volume and posterior default-mode cortical thickness predict poor sleep quality in youth. Poster presented at the Flux Congress (Flux: The Society for Developmental Cognitive Neuroscience) Meeting, Berlin, Germany.
- 123) Lee Y, Kerestes R, Shirtcliff EA, Schlund M, Binning S, Berry A, & **Ladouceur CD** (September 2018). Associations between striatal activation to reward cues and testosterone reactivity in healthy adolescents. International Society of Psychoneuroendocrinology, Irvine, California.
- 124) Tan PZ, Bylsma L, Silk JS, Allen KE, Sharma V, Siegle GJ, Dahl, RE, Ryan ND, & **Ladouceur**

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- CD** (October 2018). Relating electrocortical indices of performance monitoring to daily emotions in anxious youth. Society for Psychophysiological Research, Quebec, Quebec.
- 125) Hamilton JL, **Ladouceur CD**, Silk JS, & Bylsma LM. (October 2018). Social media and sleep among youth at risk for depression. Digital Media and Developing Minds 2nd annual conference. Cold Spring Harbor Laboratory, NY.
- 126) **Ladouceur CD**, Jones NP, & Silk JS (December 2018). Striatal activation to social reward anticipation predicts symptoms of social anxiety disorder in adolescent girls varying in level of risk for anxiety disorders. American College of Neuropsychopharmacology, Hollywood, FL.
- 127) **Ladouceur CD** and Silk JS (Co-chair) (March 2019), Neural systems underlying processing of social threat and reward in adolescence: implications for affective disorders. In Ladouceur CD & Silk JS (Co-chairs) Striatal activation to social reward anticipation predicts symptoms of social anxiety disorder in at-risk girls. Symposium presented at the Society for Research on Child Development Meeting, Baltimore, MD.
- 128) **Ladouceur CD**, Jones NP, & Silk JS (March 2019). Striatal activation to social reward anticipation predicts symptoms of social anxiety disorder in at-risk girls. Symposium presented at the Society for Research on Child Development Meeting, Baltimore, MD.
- 129) Silk JS, Sequeira S, Jones NP, Forbes EE, & **Ladouceur CD** (March 2019). Sensitivity to peer rejection in the scanner and in daily life: links to depression risk. In Ladouceur CD & Silk JS (Co-chairs) Striatal activation to social reward anticipation predicts symptoms of social anxiety disorder in at-risk girls. Symposium presented at the Society for Research on Child Development Meeting, Baltimore, MD.
- 130) Sequeira S, **Ladouceur CD**, Jones NP, & Silk JS (March 2019). Interactions between neural activation to social reward and experiences of social threat in adolescent girls. In Chaplin R (Chair) Neural reward reactivity and adolescent psychopathology and substance use: fMRI and ERP studies. Symposium presented at the Society for Research on Child Development Meeting, Baltimore, MD.
- 131) Sequeira S, Elliot RD, **Ladouceur CD**, Forbes EE, & Silk JS. (March 2019) Neural activation to maternal praise influences the development of depressive symptoms in at-risk adolescents. In Weeland J (Chair) Antecedents and Consequences of Parental Praise. Symposium presented at the Society for Research on Child Development Meeting, Baltimore, MD.
- 132) Hamilton J, **Ladouceur CD**, Silk JS, & Bylsma L. (March 2019). Sex differences in sleep dysfunction among youth with parental depression. In Wang F (Chair) Parental depression and youths' outcomes: Integrating advanced methods to gain novel insights. Symposium presented at the Society for Research on Child Development Meeting, Baltimore, MD.
- 133) Allen K, Bylsma LM, Tan P, Siegle GJ, Silk JS, Forbes EE, McMakin DL; Dahl RE, Ryan ND & **Ladouceur CD**. (March 2019). The effects of early visual attention to negative stimuli and anxiogenic parenting on treatment outcomes in anxious youth. In Fitzgerald K and Ip K (Co-Chairs) Multilevel mechanism of treatment effect for youth with internalizing problems. Symposium presented at the Anxiety and Depression Conference, Chicago, IL.
- 134) **Ladouceur CD**, Jones NP, Silk JS (May 2019). Pubertal maturation moderates the relationship between striatal activation to social reward and symptoms of social anxiety disorder in at-risk girls. Society of Biological Psychiatry, Chicago, IL.
- 135) Soehner AM, Bertocci MA, **Ladouceur CD**, Graur S, Maccaffrey A, Monk K, Bonar L, Hickey MB, Axelson D, Diler RS, Goldstein BI, Goldstein TR, Birmaher B, Phillips ML (May 2019). Identifying sensitive periods for the impact of sleep on reward-related brain function and depression in at-risk youth. Society of Biological Psychiatry, Chicago, IL.
- 136) Hamilton JL, **Ladouceur CD**, Silk JS, Franzen PL, & Bylsma LM. (June 2019). Sleep disturbance in youth at high and low risk for depression. *Sleep*, 42 (Suppl 1), A323, San Antonio, TX.
- 137) **Ladouceur CD**, Jones NP, Silk JS (September 2019). Pubertal maturation moderates the relationship between striatal activation to social reward and symptoms of social anxiety disorder in at-risk Girls. In **Ladouceur CD** and Silk JS (Co-Chair) Pubertal Maturation and Neurodevelopmental Pathways Underlying Risk for Psychopathology. Society for Research in Psychopathology, Buffalo,

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NY.

- 138) **Ladouceur CD** (October 2019). The influence of puberty on neural systems of social threat and reward: links to anxiety and depression risk. Delevich K and Herting M (Co-Chairs) The role of puberty in brain maturation: Relevance to psychiatric disease risk. Molecular Psychiatry, San Francisco, CA.
- 139) Sequeira SL, Rosen DK, Silk JS, **Ladouceur CD** (November, 2020). Linking fronto-amygdala functional connectivity to in vivo attentional biases towards social threat in adolescence. Poster presented at the Flux Congress (Flux: The Society for Developmental Cognitive Neuroscience) Meeting. Online meeting.
- 140) Lu C, Sequeira SL, Fitzgerald HN, Silk JS, **Ladouceur CD** (November, 2020). A Longitudinal assessment of perceived control and anxiety symptoms using ecological momentary assessment (EMA). Poster presented at the 54th Annual Meeting of the Association for Behavioral and Cognitive Therapies. Online meeting.
- 141) Morrow K, Do QB, **Ladouceur CD**, Silk JS (November, 2020). The mediating role of emotion socialization in maternal and child depressive symptoms. Poster presented at the 54th Annual Meeting of the Association for Behavioral and Cognitive Therapies. Online meeting.
- 142) Wang Y, Butterfield R, **Ladouceur CD**, Silk JS (November, 2020). Parental positive and negative affect in parent-child interactions as moderators in the longitudinal link between family stressors and Depressive Symptoms in Adolescent Girls. Poster presented at the 54th Annual Meeting of the Association for Behavioral and Cognitive Therapies. Online meeting.
- 143) Wang Y, Butterfield R, **Ladouceur CD**, Silk JS (November, 2020). The relationship between parent childhood trauma and child depression symptoms: Parental acceptance as a mediator. Poster presented at the 54th Annual Meeting of the Association for Behavioral and Cognitive Therapies. Online meeting.
- 144) Bylsma LM, Silk JS, **Ladouceur CD**. (January, 2020). Daily life affective dynamics and emotion regulation among adolescents varying in depression risk. Oral talk presented at the Society for Ambulatory Assessment in Melbourne, Australia.

PROFESSIONAL ACTIVITIES

TEACHING:

Courses

- 1992-1997 *Developmental Psychology – Department of Psychology, University of Quebec in Montreal, Montreal, QC.*
Served as a teaching assistant for undergraduate introductory course in developmental psychology covering theoretical approaches to human development related to cognitive, emotional, biological development.
(60 students, 45 hours per semester).
- 1995 *Differential Psychology of the Sexes - Department of Psychology, University of Quebec in Montreal, Montreal, QC.*
Served as a *teaching assistant* for undergraduate course on major theories of gender differences and development. The main responsibilities were to guide students in a research project with regard to methodology and data analyses.
(30 students, 45 hours).
- 1995 *Quantitative Analyses in Psychology - Department of Psychology, University of Quebec in Montreal, Montreal, QC.*
Served as a *teaching assistant* for undergraduate introductory statistics course covering descriptive statistics, graphing, and data exploration, correlation, and regression.

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(40 students, 45 hours).

- 1996 *Developmental Psychology 6-12 Age Span - Department of Psychology, University of Quebec in Montreal, Montreal, QC.*
Served as a *primary instructor* for undergraduate introductory course in developmental psychology covering theoretical approaches to human development related to cognitive, emotional, biological development focusing on the ages of 6 to 12. This course was given to students in the Education Department.
(30 students, 45 hours per semester).
- 1996 *Developmental Psychology 0 to 12 Age Span - Department of Psychology, University of Quebec in Montreal, Montreal, QC.*
Served as a *primary instructor* for undergraduate introductory course in developmental psychology covering theoretical approaches to human development related to cognitive, emotional, biological development focusing on the ages of 0 to 12. This course was given to students in the Education Department.
(30 students, 45 hours per semester)
- 2006 - 2013 *Psychological Theories and Development – School of Medicine, University of Pittsburgh*
Served as *co-director and lecturer* for 1st-year psychiatry resident (PGY1) course on theories of normal development.
(10 students, 1.5 hour for 10 weeks)
- 2013 – 2018 *Psychological Theories and Development – School of Medicine, University of Pittsburgh*
Serve as *director and lecturer* for 2nd-year psychiatry resident (PGY2) course on theories of normal development.
(10 students, 1.5 hour for 10 weeks)
- 2010 *Development Processes – School of Medicine, University of Pittsburgh*
Guest lecturer for psychiatry residents (PGY4/5)
(15 students, 1.5 hours)
- Introduction to Psychiatry Medical Student Education (Year 1) - School of Medicine, University of Pittsburgh*
Served as facilitator to introduce medical students to psychiatric interviewing with children/adolescents.
(9 students, 1 hour)
- 2011 *Case Conference Seminar - School of Medicine, University of Pittsburgh*
Guest lecturer for psychiatry residents (PGY1/5)
(10 students, 1 hour)
Title: "Neural Circuitry Underlying Emotion Regulation in Adolescents and Implications for Development of Mood Disorders"
- 2013-2018 Faculty member of the *Career & Research Development (CARD) Seminar*, (academic career pathways; grantsmanship; weekly seminar through academic year). Department of Psychiatry, University of Pittsburgh.
(approx. 20 students, 1-hour weekly meetings, 1 hour/week of grant reviews)
- 2018-present Co-Director of the *Career & Research Development (CARD) Seminar*, (academic career pathways; grantsmanship; weekly seminar through academic year). Department of

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Psychiatry, University of Pittsburgh.
(approx. 20 students, 1-hour weekly meetings, 1 hour/week of grant reviews)

Continuing Education/Continuing Medical Education Activities

- 2007 American Academy of Child and Adolescent Psychiatry 32nd Annual Oral Review Course, March 21-24, 2007, Westin Convention Center, Pittsburgh, PA (score: 4.4 out of 5; 190 attendees)
Titles: Normal Development: Theoretical Perspectives (Part 1)
Normal Development: Physical, Verbal, and Emotional Domains (Part 2)
- 2009 Meet the PI Invited Lecture, Western Psychiatric Institute and Clinic, Pittsburgh, PA
Title: Biological Vulnerability Factors of Bipolar Disorder in Youth: Investigating Neural Systems of Emotion
- 2016 Meet the PI Invited Lecture, Western Psychiatric Institute and Clinic, Pittsburgh, PA
Title: Neural Systems Supporting Emotion Regulation in Adolescence: The Role of Puberty and Implications for Affective Disorders

Guest Lectures

- 2002 Two-day workshop on research using Event-Related Potentials (ERPs)
Titles: a) What are ERPs?: Historical, Methodological, & Conceptual Issues b) Data Acquisition and Processing using Netstation 3.0.
Clinical Cognitive Neuroscience Laboratory, Director: Dr. Cameron Carter, Western Psychiatric Institute & Clinic, Pittsburgh, PA
- 2003 Title: What are ERPs? Conceptual Issues, Methodology, and Application
Pittsburgh Youth Studies Laboratory, Directors: Drs. Rolf Loeber and Magda Stouthamer-Loeber
Western Psychiatric Institute & Clinic, Pittsburgh, PA
- 2003 Title: What can error monitoring event-related potentials (ERPs) tell us about the mechanisms of emotion (dys)regulation?
Child and Adolescent Psychiatry Research Colloquium
Western Psychiatric Institute & Clinic, Pittsburgh, PA.
- 2006 Title: Toward Identification of Neurodevelopmental Risk and Protective Markers in Bipolar Disorder.
WPIC Research Review Seminar
Western Psychiatric Institute & Clinic, Pittsburgh, PA.
- 2007 Titles: a) Using Event-Related Potentials (ERPs) to Investigate the Neuropathophysiology of Pediatric Affective Disorders, b) Discussion on Neuroimaging in Clinical Populations.
Multi-Modal Neuroimaging Summer Workshop (MNTP)
University of Pittsburgh and Carnegie Mellon University, Pittsburgh, PA
- 2007 Title: Neural Correlates of Action Monitoring in Pediatric Affective Disorders.
Child Depression Consortium
Western Psychiatric Institute & Clinic, Pittsburgh, PA
- 2008 Title: Toward the Identification of Neurodevelopmental Risk Markers of Bipolar Disorder
Child and Adolescent Psychiatry Research Colloquium
Western Psychiatric Institute & Clinic, Pittsburgh, PA.
University of Pittsburgh, Pittsburgh, PA
- 2009 Title: Neuroimage as a Tool to Identify Biomarkers of Risk for Bipolar Disorder
Department of Epidemiology, University of Pittsburgh, PA

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- 2011 Title: Functional Neuroimaging Studies in Individuals with Mood Disorders
Multi-Modal Neuroimaging Summer Workshop (MNTP)
University of Pittsburgh and Carnegie Mellon University, Pittsburgh, PA
- 2011 Title: Development of Corticolimbic Systems in Offspring at High Familial Risk for Bipolar Disorder: Potential Markers of Risk or Resilience?
Department of Epidemiology
University of Pittsburgh, PA
- 2016 Guest expert panelist for T32 lunch on the topic "Work-Life Balance".
Department of Psychiatry
University of Pittsburgh, PA
- 2020 Guest expert panelist for T32 lunch on the topic "Management 101"
Department of Psychiatry
University of Pittsburgh, PA

Admissions and Training Committee

- 2013- present Committee: Core Faculty Training Committee, WPH Clinical Psychology Internship
Role: member; review applications, interview applicants, serve as clinical supervisor and research preceptor for interns
Location: Department of Psychiatry, University of Pittsburgh

University of Pittsburgh Graduate Thesis Advisory Board

- 2015-2017 Student: Rosalind Butterfield
Committee: masters thesis committee
Title: The Mediating Effects of Neural Response to Parental Criticism on the Association between Parental Warmth and Adolescent Depression
Role: committee member; guided development of research project and evaluated quality of resulting thesis
Location: Department of Psychology, University of Pittsburgh
- 2017-present Student: Stefanie Sequeira
Committee: masters thesis and doctoral committee
Title: Investigating the link between neural and real-world responses to social threat in adolescents at high risk for social anxiety
Role: committee member; guided development of research project and evaluated quality of resulting thesis
Location: Department of Psychology, University of Pittsburgh
- 2019-present Student: Mark Curtis
Committee: doctoral dissertation committee
Title: Selective attention networks in first episode Schizophrenia Spectrum
Role: dissertation committee member
Location: Neuroscience Department, University of Pittsburgh
- 2020-present Student: Amar Ojha
Title: The influence of pubertal maturation on brain development
Role: dissertation co-advisor with Dr. Luna
Location: Neuroscience Department, University of Pittsburgh
- 2021-present Student: Pat Brosseau

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Title: Neural substrates of symptom dimension in adolescent depression

Role: PhD thesis advisor

Location: Neuroscience Department, University of Pittsburgh

Member of Graduate Comprehensive Exam Committee

2020 Orma Ravindranath, M.S., Department of Psychology
Title: Associations between Pubertal Onset Timing and Mechanisms of Neurocognitive Development

External Graduate Thesis Reviewer

2006 Kylie Alston (Advisor: Nicholas Allen, PhD.) PhD, University of Melbourne, Melbourne, Australia.
2012 Else-Marie Augusti (Advisor: Annika Melinder, Ph.D.) PhD, Department of Psychology, University of Oslo, Oslo, Norway.
2017 Sally Richmond (Advisor: Marc Seal, PhD) PhD, University of Melbourne, Melbourne, Australia.
2019 Knut Øverby (Advisor: Christian Tamnes, Ph.D.) PhD, Department of Psychology, University of Oslo, Oslo, Norway.
2019 Rune Bøen (Advisor: Christian Tamnes, Ph.D.) International member of PhD committee Department of Psychology, University of Oslo, Oslo, Norway.

University of Pittsburgh Undergraduate Honors Thesis Advisory Board

2020-2021 Student: Madeleine Goldberg
Title: Puberty-related changes in delay discounting in youth
Role: Advisor
Location: Psychology Department, University of Pittsburgh

MENTORING:

Faculty

University of Pittsburgh

- 1) Patricia Tan, Ph.D. (2013-2018) - co-mentor
K-award title: Early Neurobehavioral Marker of Anxiety: Linking Threat Bias and Real World Emotion
- 2) Lauren Bylsma, Ph.D. (2014-2019) – primary mentor
K-award title: Neurobehavioral Predictors of Emotional Deficits in Youth at Risk for Depression

University of Nebraska

- 1) Stuart White, Ph.D. (2018-present) – co-mentor
K-award title: The Role of Testosterone in Modulating Neural Response to Threat Cues and during Emotion Regulation in Post-traumatic Stress Disorder

Post-doctoral Students

University of Pittsburgh

- 1) Anne Conway, Ph.D. (2006-2008)
Development of neural correlates underlying cognition-emotion processes – training in the development of cognition-emotion, techniques and analyses of event-related potentials, adolescent development, pediatric anxiety and depression.

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- 2) Patricia Tan, Ph.D. (2010-2013)
Development of attention control in the context of emotional cues.
- 3) Lauren Bylsma, Ph.D. (2013-2014)
Neural correlates of emotional processing and regulation in youth at familial risk for depression.
- 4) Vinod Sharma, Ph.D. (2012-2017)
Neural correlates of conflict adaptation in anxious and non-anxious youth.
- 5) Rebecca Kerestes, Ph.D. (2014-2017)
Neural systems of emotion regulation in adolescent depressed youth.
- 6) Kristy Benoit Allen, Ph.D. (2014-2017)
Neural correlates of interpretation bias in anxious parents and youth.
- 7) Adam Grabell, Ph.D. (2014-2017) co-mentor focusing on career development
- 8) Kyung Hwa Lee, Ph.D. (2014-2017) co-mentor with Dr. Silk
- 9) Caroline Oppenheimer, Ph.D. (2014-2016) co-mentor with Dr. Silk
Neural correlates of social threat and risk for depression.
- 10) Ben Allen, Ph.D. (2015-2017) co-mentor with Dr. Molina
Neural correlates of adult outcomes of childhood ADHD.
- 11) Laura Cabral, Ph.D. (2019-present) co-mentor with Dr. Bea Luna
Neurodevelopment and psychopathology.
- 12) Teague Henry, Ph.D. (2020-2021) co-mentor with Dr. Brooke Molina
Neurodevelopment, ADHD, and pediatric anxiety and depression.

Residents

University of Pittsburgh

- 1) Tiffany Farchione, M.D. (2006-2009)
Research: Development of fMRI research protocol in youth with pediatric bipolar disorder
- 2) Cecilia Westbrook, M.D., Ph.D. (2020-present)
Research: Neural markers of treatment response in pediatric anxiety disorders

Graduate Students

Yale University

- 1) Rebecca Kerestes (2008-2010) – co-mentor with Zubin Bhagwagar, M.D.
Research: Neural systems of cognitive control and emotion; analyses of behavioral data on task assessing attentional control in the context of emotion; processing and analyses of fMRI data.

University of Pittsburgh

- 2) Rosalind Elliott (2014-2020) – co-mentor with Jennifer Silk, PhD
Research: The influence of parenting on neural systems underlying socio-affective processing and adolescent depression.
- 3) Stephanie Sequeira (2016-present) – co-mentor with Jennifer Silk, PhD
Research: Influence of peer evaluation on adolescent social decision making.
- 4) Caroline Hoyniak (2018-2019) psychology intern
Research: Influence of puberty on approach-avoidance decision making.
- 5) Emily Hutchinson (2020-present) – co-mentor with Jennifer Silk, PhD
Research: Neuroimaging and risk for suicidality in at-risk girls.
- 6) Amar Ojha (2020) – lab rotation, co-mentor with Bea Luna, PhD
Research: The influence of puberty on brain development

Undergraduate Students

- 1) Allison Jaffe (2002-2003)
Research: Coding and analysis of subject responses to open-ended questions following a decision-making task; training in pediatric depression.

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- 2) Faith Caine (July-August, 2005) Summer Research Student
Research: Coding and analyses of event-related potential data.
- 3) Brandi Merlot (2007-2008)
Research: Neurocognitive effects of psychopharmacological treatment of pediatric bipolar disorder; training in pediatric bipolar disorder, neuropsychological testing, critical literature review, research methods.
Katerina Sorenson (2007-2008)
Research: Neurocognitive effects of psychopharmacological treatment of pediatric bipolar disorder; training in pediatric bipolar disorder, neuropsychological testing, critical literature review, research methods.
- 4) Jenna Berent (2008)
Research: Cognitive and emotional processing in pediatric bipolar disorder; training in pediatric bipolar disorder, neuropsychological testing, critical literature review, research methods.
- 5) Kathleen Reardon (2008-2009)
Research: Emotion labeling in pediatric bipolar disorder; training in pediatric bipolar disorder, neuropsychological testing, critical literature review, research methods.
- 6) Emily Belleau (2008-2009)
Research: Cognitive and neural risk factors for mood disorders.
- 7) John Slifka (2010-2011)
Research: Neural correlates of cognitive control in pediatric mood disorders; training in pediatric mood disorders, research methods related to event-related potentials and fMRI.
- 8) Maureen D. Satyshur (January-April, 2011) Student Volunteer
Research: Data entry and processing.
- 9) Clare Bozco (September 2011-May 2012) Student Volunteer
Research: Emotion processing in youth with ADHD.
- 10) Madeline Leo (2011-2012)
Research: Emotional information processing and risk for bipolar disorder; functioning of neural circuitry of emotion regulation in bipolar disorder.
- 11) Elizabeth Phillips (summer 2012)
Research: High school student who assisted with data acquisition and processing.
- 12) Rachel Inghram (2013-2014)
Research: Cognitive-affective processing in adolescence.
- 13) Julia Badya (2014-2015)
Research: Acquisition and processing of EEG data.
- 14) Kathryn Gasior (summer 2015)
Research: Developmental affective neuroscience methods.
- 15) Amanda Hopcrof (2015-2017)
Research: Developmental affective neuroscience methods.
- 16) Shannon Trombley (2017-2018)
Research: Development of fronto-limbic circuitry in adolescent depression.
- 17) Andrew Lipsitz (2019-2020)
Research: Worry regulation in pediatric anxiety disorders.
- 18) Madeleine Goldberg (2019-2021)
Research: Positive valence systems functioning in adolescent depression.

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RESEARCH:

Grant Number	Title	Role in Project	Years	Amount
Current Grants				
R01MH126979	Puberty-related Development of Fronto-amygdala Circuitry in Anxious Youth: A Multimodal Neuroimaging Study with Ultra-High Resolution MRI scanner (7T)	PI (30%; 3.6 mths)	08/01/2021- 07/31/2026	Direct: \$2,585,662 Indirect: \$1,512,567
R01 MH124866	Neural Sensitivity to Social Evaluation and Daily Online and In-person Social Experience with Peers: Predicting Fluctuations in Suicidality, Self-harm, and Depressive Symptoms in Adolescent Girls	Multiple PI (Silk/Ladouceur) 25%; 3 mths)	08/01/2021- 07/31/2026	Direct: \$2,855,993 Indirect: \$1,272,592
R21 MH122808	Neural Systems Underlying Severe Worry in Anxious Adolescents and Young Adults	PI (15%; 1.8 months)	07/15/2020- 03/31/2022	Direct: \$275,000 Indirect: \$132,479
R01 MH111600-01	Positive Valence Systems and Manic Symptom Trajectories in Adolescent Depression	Multiple PI (35%; 4.2 mths) (Ladouceur/Diler)	11/01/2017- 10/31/2022	Direct: \$2,415,146 Indirect: \$1,281,383
R21 MH116475	Functional and Neurochemical Substrates of Amygdala-Frontal Circuitry across Development and Anxiety	Co-I (5%; 0.6 mths) (PI: Yang)	08/12/2020- 08/11/2022	Direct: \$283,182 Indirect: \$101,865
R01 MH120448-01	Neural Markers of Avoidant Decision-making in Anxiety Disorders	CoI (5%; 0.6 mths) (MPIs: Tone/Schlund)	07/01/2019- 06/30/2024	Direct: \$650,000 Indirect: \$358,447
R01 MH060952-16	Children of Bipolar Parents: A High Risk Follow-Up Study	CoI (10%; 1.2 mths) (MPIs: Birmaher/Phillips)	08/11/2016- 10/30/2021	Total: \$6,426,410

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R01 MH114881	Emotion Regulation Circuitries in Youth with Mild Traumatic Brain Injury	Consultant (PI: Versace)	12/19/2017- 10/31/2022	Total: \$3,195,439
Norwegian Regional Health Authority	Errors in the Adolescent Brain: A Combined Neuroimaging-Cohort-Registry Study	Collaborator (PI: Tamnes)	06/01/2021- 11/17/2024	Total: 9.000.000 NOK (~\$1,016,469.00 US)
Research Council of Norway	Learning from Mistakes: A Longitudinal Neuroimaging-Cohort-Registry Study	Collaborator (PI: Tamnes)	10/01/2021- 09/31/2026	Total: 12.000.000 NOK (about \$1,355,292 US)

Pending Grants

R01 MH128229	Neurodevelopment of Emotional Interference Resistance in Adolescence to Adulthood: A Multimodal Neuroimaging Approach	MPI (25%; 3 mths) (MPIs : Ladouceur/Jones/Versace)	09/01/2021- 08/30/2026	
	Effects of pubertal hormones on brain structure and how this relates to psychopathology in 9 y/o children, prospectively	Co-I (8.5%; 1.02 mths) (PI: Versace)	09/01/2022- 03/31/2027	

Prior Grant Support

CTSI-REAL Pilot	Toward Understanding Neural Substrates of Worry	PI (3%; 0.36 mths)	11/01/2019- 5/31/2021	Direct: \$25,000
University of New South Wales, Sidney Australia COVID-19 Rapid Response Research Initiative	Tracking the Social, Cognitive and Mental Health Impact of COVID-19 from the Uterus to Old Age	Consultant (PI: Schweizer)	05/01/2020- 04/30/2021	
P20 GM130447	Center of Biomedical Research Excellence (COBRE)	Consultant on Project (PI: Wilson)	03/01/2020- 02/28/2021	Total: \$4,579,665
R01 MH103241	Influence of Social Threat on Reward Function in At-Risk Adolescent Girls	Multiple PI (25%; 3 mths) (Silk/Ladouceur)	04/01/2015- 06/30/2021	Direct: \$2,121,291 Indirect: \$1,031,651
R01 MH103241-05S2	Administrative Supplement: Influence of Social Threat on Reward Function in At-Risk Adolescent Girls	Multiple-PI (10%; 1.2 mths) (Silk/Ladouceur)	08/15/2019- 06/30/2021	Direct: \$140,281 Indirect: \$69,465

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R01 MH101096	Neural Correlates of Adult Outcomes of Childhood ADHD: Affect, Reward and Control	Multiple PI (25%; 3 mths) (Molina/Ladouceur)	09/01/2014- 05/31/2021	Direct: \$2,068,778 Indirect: \$917,826
R01 MH099007	Pubertal Maturation and Motivational Influences on Frontolimbic Systems	PI (40%; 4.8 mths)	09/01/2013- 08/30/2018	Direct: \$2,039,829 Indirect: \$826,065
3R01 MH099007-04S1	Administrative Supplement: Pubertal Maturation and Motivational Influences on Frontolimbic Systems	PI	07/06/2016- 05/31/2017	Direct: \$68,987 Indirect: \$37,253
R03 MH115894	Aberrant Brain Functioning Firing Working Memory Tasks in Mood Disorders Across Diagnoses and Age Groups: Secondary Data Analysis	Consultant (Manelis)	04/20/2018- 02/29/2020	Total: \$78,126
R01MH060952-16	Children of Bipolar Parents: A High Risk Follow-Up Study	Col (10%; 1.2 mths) (MPIs: Birmaher, Phillips)	07/25/2011- 05/31/2016	Total: \$3,554,620
PA-HEAL	Reducing the Cognitive Consequences of Cannabis Use by Adolescents	Col (15%; 1.8 mths) (PI: Lewis)	06/01/2011- 05/31/2015	Total: \$4,201,046
R01MH091327	Puberty and Threat/Reward Processing in the Trajectory from Anxiety to Depression	Col (10%; 1.2 mths) (PI: Silk)	8/24/2010- 6/30/2015	Total: \$2,451,456
P50MH080215	Transdisciplinary Studies of CBT for Anxiety in Youth (CIDAR Center grant)	Co-PI (Project 1), Co-PI (Project 3, Core 1, Core 2) (PI: Ryan)	4/1/2008- 3/31/2013	Total: \$9,546,181
K01MH083001	Toward the Identification of Neurodevelopmental Risk Markers of Bipolar Disorder	PI (100%; 12 mths)	4/1/2008- 9/30/2013	Total: \$731,304
NARSAD	Neural Correlates of Emotion Regulation in Adolescents at Risk for Bipolar Disorder	PI (10%; 1.2 mths)	7/1/2006- 6/30/2009	Total: \$60,000
NARSAD	Neurodevelopmental Risk Markers of Bipolar Disorder in Offspring with ADHD of Parents with Bipolar Disorder	PI (10%; 1.2 mths)	1/1/2009- 1/1/2012	Total: \$60,000

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R21DA024144-01	Emotion Regulation in Adolescence: A Social Affective Neuroscience Approach	Col (5%; 0.6 mths) (MPIs: Silk/Dahl)	9/26/2007 - 7/31/2011	Total: \$1,169,443
American Suicide Foundation for Suicide Prevention	Cognitive Control and Emotion Processing: Markers of High-Intent Suicide Ideations in Adolescents	Consultant (PI: Maalouf)	2008-2010	Total: \$72,600

Other Research Related Activities

Editorial Board:

2005	Consulting Editor: Psychophysiology
2010	Contributing Editor: Journal of the American Academy of Child and Adolescent Psychiatry
2011-2020	Review Editor: Frontiers in Child and Neurodevelopmental Psychiatry
2013-present	Editorial Board Member: Developmental Cognitive Neuroscience
2014-present	Member of the Consulting Editorial Board: Journal of Abnormal Psychology
2019-2021	Acting Editor: Frontiers Psychiatry
2020-2021	Editorial Board Member: Children
2020-present	Consulting Editor: Journal of Research on Adolescence
2020-present	Associate Editor: Frontiers Psychology (Emotion)
2021-2022	Guest Editor Developmental Cognitive Neuroscience Special Issue: Puberty and Adolescent Brain Development

Ad-hoc Journal Reviewer:

2001-present	Developmental Neuropsychology
2001-present	Psychiatry Research
2002-present	Developmental Science
2006-present	Psychophysiology
2006-present	Human Development
2006-present	Cerebral Cortex
2006-present	Psychological Science
2004-present	Journal of Child and Adolescent Psychiatry and Allied Disciplines
2006-present	Brain Research
2006-present	Journal of Psychiatry and Neuroscience
2007-present	American Journal of Psychiatry
2007-present	Biological Psychiatry
2007-present	Journal of Abnormal Child Psychology
2007-present	Biological Psychology
2008-present	Bipolar Disorders
2008-present	Depression and Anxiety
2008-present	Neuropsychologia
2010-present	Neuropsychopharmacology
2010-present	Psychological Medicine
2008-present	Journal of the American Academy of Child and Adolescent Psychiatry
2011-present	Developmental Cognitive Neuroscience
2010-present	Archives of General Psychiatry
2010-present	Cognitive, Affective, and Behavioral Neuroscience
2011-present	Cognition and Emotion
2011-present	Annals of Medicine

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2011-present Human Brain Mapping
2011-present Journal of Experimental Child Psychology
2012-present Neuroscience & Biobehavioral Reviews
2013-present Psychoneuroendocrinology
2013-present NeuroImage
2014-present Social, Cognitive, and Affective Neuroscience
2015-present Journal of Affective Disorders
2015-present Santé Mentale au Québec
2017-present Pediatrics
2017-present Proceedings of the National Academy of Sciences of the United States of America
2017-present Translational Psychiatry
2019-present Journal of Research on Adolescence
2019-present Scientific Reports
2020-present Child Development
2020-present Journal of Neuroscience

External Grant Reviewer:

2009/2010 Nova Scotia Health Research Foundation
2010/2012 National Science Foundation, Cognitive Neuroscience Program
2010/2011 Swiss National Science Foundation, November
2012 Ad hoc reviewer for NIMH special emphasis panel scientific review group for F31/F32 fellowships (ZMH1 ERB-M (07) S): 07/17/2012
2013 Ad hoc reviewer for NIMH special emphasis panel scientific review group for F31/32 (ERB-X 02): 06/28/2013
2014 Ad hoc reviewer for the Child Psychopathology and Development Disabilities (CPDD) NIH study section: 02/2014, 10/2014
2016 Ad hoc reviewer for NIMH scientific review group Sensory and Motor Neuroscience, Cognition and Perception F31/32 Fellowship study section (ZRG1 F02B-D): 03/2016
2018 Ad hoc reviewer for NIMH: Special Emphasis Panel/Scientific Review Group 2019/01 ZRG1 BBBP-Y (03) M: 10/2018
2020 Reviewer for Natural Sciences and Engineering Research Canada – Biological Systems and Functions Discovery Grants
2020 Ad-hoc reviewer for the Special Emphasis Panel/Scientific Review Group 2020/05 ZRG1 BCMB-A (51) R: NIH Transformative Research Awards (R01) Review
2020 Reviewer for the European Research Council – The Human Mind and its Complexity panel (SH4) Starting Grant 2020
2020 Ad-hoc reviewer for the Special Emphasis Panel/Scientific Review Group 2021/01 ZRG1 BBBP-T (03)
2021 Ad-hoc reviewer for the NIH Director's Early Independence Awards (DP5) 2022/05 ZRG1 PSE-H (70) R

Committee Membership:

2007 Tursky Award Committee – Society for Research in Psychophysiology
2012-2014 Program Planning Committee – Society for Biological Psychiatry
2012-present Chair of the Planning Committee – Developmental Affective Neuroscience Symposium (DANS) (see www.dans.pitt.edu)
2013 Local Planning Committee – Flux Congress (The International Congress for Integrative Developmental Cognitive Neuroscience)
2014-present Program Review Committee – Society for Research in Child Development (SRCD)
2016-2018 Member of the Human Affectome Project – a taskforce organized to deepen our understanding of emotions.

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2019-present Interdisciplinary Committee – Society for Research in Child Development (SRCD)
2019-present Scientific Advisory Board for the American Foundation for Suicide Prevention (AFSP)
2020-present Consensus Committee – Society for Research on Adolescence (SRA)

Member of Advisory Board:

2020-present Member of the Advisory Board for a NIDA-funded Center of Excellence, “Center for Adolescent Reward, Rhythms, and Sleep”, University of Pittsburgh
(P50DA046346 MPIs: McClung, Buysse).

Leadership Activities:

01/2019 – 12/2019 Completed one-year leadership program for mid-career faculty – Advanced Faculty Leadership Academy, Health Sciences University of Pittsburgh

CURRENT RESEARCH INTERESTS:

I employ a developmental cognitive and affective neuroscience approach to investigate: 1) how neural networks underlying emotion processing and regulation develop in childhood and adolescence, including disentangling processes specific to age versus puberty, 2) how alterations in the development of these systems contribute to the pathophysiology and sex differences in risk for affective disorders (anxiety, mood disorders), and 3) whether it is possible to harness normative neurodevelopmental processes as a way to identify periods of heightened neural plasticity that can inform novel brain-based and developmentally sensitive interventions in at-risk youth.

Departmental and University Invited Seminars and Lectureships

2007 *Neural Correlates of Action Monitoring in Pediatric Affective Disorders*. Invited speaker at the Child Depression Consortium, Pittsburgh, PA.
2009 *Neurodevelopmental Vulnerability Markers of Bipolar Disorders*. Invited speaker at the Clinical and Developmental Psychology Brown Bag Series. University of Pittsburgh, Pittsburgh, PA.
2009 Biological Vulnerability Factors of Bipolar Disorder in Youth: Investigating Neural Systems of Emotion. Meet the Principal Investigator Lecturer. Western Psychiatric Institute and Clinic Lecture Series. University of Pittsburgh, Pittsburgh, PA.
2012 *Altered Frontolimbic Functioning in Unaffected Bipolar Offspring: Neural Marker of Risk for Bipolar Disorder?* Invited speaker for the “Rising Stars” lectures during the Department of Psychiatry Research Day. University of Pittsburgh, Pittsburgh, PA.
2012 *Abnormal Positive Affect Circuitry in Youth At-Risk for Bipolar Disorder*. Invited speaker at the Developmental Affective Neuroscience Symposium, Pittsburgh, PA.

External Invited Seminars and Lectureships

2009 *Toward the Identification of Neurodevelopmental Vulnerability Markers of Bipolar Disorder: Investigating Neural Systems of Emotion*. Invited speaker at the Department of Psychiatry, Ste-Justine Pediatric Hospital, Montreal, Quebec, Canada.
2011 *Brain Development and Risk for Bipolar Disorder*. Invited speaker at the Department of Psychiatry, Sunnybrook Hospital, Toronto, Ontario, Canada, 2011, November.
2011 Think Tank #2: Pharmacological and behavioural treatments of addiction - Focus on brain imaging Canada – Finland – USA Joint Workshop on “The Early Origins of Addiction”. Invited moderator at the American Academy of Child and Adolescent Psychiatry Pre-conference.
2012 *Toward the Identification of Neural Markers of Risk in Youth at Familial Risk for Bipolar Disorder*. Invited speaker at the Department of Psychology, University of New Orleans, Louisiana.
2012 *Adolescent Brain Development: Implications for Mood Disorders*. Invited speaker for a

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- 2015 Child Safety Network Webinar.
Functional and structural MRI findings in child and adolescent offspring of bipolar patients. Invited speaker at the European College of Neuropsychopharmacology (ECNP), September, 2015, Amsterdam, The Netherlands.
- 2016 *Functioning of Neural Systems Underlying Cognitive Control of Emotion and Reward in Adolescence: A Transdiagnostic Perspective.* Invited speaker in Invited Symposium (Chair: T. Ollino) Converging Evidence: Impulsivity, Effortful Control, and Disinhibition. American Psychological Science (APS) Annual Convention, Chicago, IL.
- 2017 *Neural Systems Supporting Emotion Regulation in Adolescence: The Role of Puberty and Implications for Affective Disorders.* Invited speaker at the Department of Psychological & Brain Sciences, Washington University in St-Louis, St-Louis, MO.
- 2017 *Puberty-Specific Influences on the Adolescent Emotional Brain: Implications for Affective Psychopathology.* Invited speaker at the Department of Human Development and Family Studies, Iowa State University, Ames, IA.
- 2018 *State of the Science Summit: Diagnosis of Trauma-Related Brain Disorders* – invited expert consultant and discussant on developmental affective neuroscience by the Cohen Veterans Bioscience (non-profit organization), Silver Spring, MD.
- 2018 *Pubertal Influences on the Adolescent Emotional Brain: Implications for Understanding Vulnerability for Affective Disorders.* Invited speaker for NIMH workshop entitled: Sex & Gender Influences on the Adolescent Brain & Mental Health of Young Women (Ages 12-24), Bethesda, MD.
- 2020 *The Mentor-Mentee Relationship.* Invited speaker as part of the CoNDA Career Development Series, University of Nebraska.
- 2021 *Toward Understanding Neurodevelopmental Pathways to Affective Disorders in Adolescent Girls.* Invited speaker, POMENTA Research Center, University of Oslo, Oslo, Norway.
- 2021 *Neurodevelopmental Pathways of Mood & Anxiety Disorders: A focus on Adolescence.* Invited speaker, Department of Psychiatry, Stonybrook University, New York.

Media:

Monastersky, R. (January 2007). Who's Minding the Teenage Brain?: Scientist find clues to why adolescents seek out and find trouble. The Chronicle of Higher Education.
(<http://chronicle.com/weekly/v53/i19/19a01401>).

Carroll, L. (July, 2017). Quiet your anxiety by talking to yourself in the third person. nbcnews.com.
Source: Today. <http://www.today.com/health/talking-yourself-third-person-can-calm-emotions-t114420>

SERVICE:

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- 2012 – present Program Chair and Organizer of the Developmental Affective Neuroscience Symposium (see www.dans.pitt.edu)
- 2015 – present Director of the Developmental Affective Science Consortium (www.dascpitt.org)

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- 2019 Consultant on Career Development for a BWF Scholar curriculum/competency focused meeting
- 2020 – present Appointment Stream Faculty Promotions and Appointments (ASFPA) Committee

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2001– present	Reviewer for the Research Review Committee
2008 – present	Interviewer for Resident Interview Committee
2008 – present	Member of the K-award Review Committee
02/2006	Chair: WPIC Wide Journal Club - Risk and Reward in Adults and Adolescents
06/2006	WPIC Resident Grand Rounds - Anxiety Disorders: Impact on Children
2011	Member of a Taskforce to review WPIC Research Committee
06/2015,2016	Facilitator for WPIC Research Day Roundtable discussions (06/2015, 06/2016)
2018 – present	Member of the Academic Council, Department of Psychiatry
2021 – present	Member of the Academic Promotions Committee, Department of Psychiatry

Diversity, Equity, and Inclusion Activities

2021 – present	Member of the Department of Psychiatry Diversity, Equity, and Inclusion (DEI) Education Workgroup
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Community Service

- Speaker at teacher in-service at Aquinas Academy, Gibsonia, PA (January, 2010): “Anxiety Disorders in Children and Adolescents”.
- Speaker at a parenting group on adolescent development, Gibsonia, PA (November, 2010): “Adolescence: A developmental period with vulnerabilities and opportunities”.
- Speaker at Family Conference, Aquinas Academy, Gibsonia, PA (September, 2011, 2015): “The role of temperament in child development; Parent-Child Communication in Childhood and Adolescence”.
- Speaker at Career Day, Aquinas Academy, Gibsonia, PA (February 12, 2016): Work as a research psychologist: day to day activities.
- LeadersNow International (<http://www.leadersnow.org/>) – a non-profit organization that aims to foster leadership in adolescent girls (Board Member 2013-2016; Chapter Coordinator 2016-2019).
- Consultant for elementary school counselors at North Allegheny School District regarding assessment of children’s social and emotional experiences during the COVID-19 pandemic (May 10, 2021).