

CURRICULUM VITAE
Avram Jonathan Holmes

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Department of Psychology
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EMPLOYMENT:

2014- Assistant Professor
Department of Psychology
Department of Psychiatry
Interdepartmental Neuroscience Program
Yale University

2012- Assistant in Research
Department of Psychiatry
Massachusetts General Hospital

2012-2014 Instructor in Psychiatry
Harvard Medical School

EDUCATION and TRAINING:

2009-2012 Post-doctoral fellow
Center for Brain Science
Harvard University

2008-2009 Clinical Psychology Internship
Warren Alpert Medical School
Brown University

2003-2009 Ph.D. (Clinical Psychology)
Harvard University
Dissertation: Action monitoring in depression: ERP and fMRI correlates

1994-1998 B.S. (Psychology)
Pennsylvania State University

GRANTS:

2019-2024 1R01MH120080, NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)
National Institute of Mental Health/NIH
Title: Functional genomics of the human connectome in psychiatric illness
Role: PI
Amount Awarded: \$3,263,502 (Yale Allocation: \$2,211,554; Indirect costs: \$1,051,948)

- 2014-2016 NARSAD Young Investigator Grant
Brain & Behavior Research Foundation
Title: Identifying network-level fingerprints of affective illness and associated polygenic vulnerability in the general population
Role: PI
Amount Awarded: \$60,000
- 2013-2018 K01MH099232, Mentored Research Scientist Development Award
National Institute of Mental Health/NIH
Title: Dimensional neurogenetic markers of limbic system integrity & psychiatric illness
Role: PI
Amount Awarded: \$733,735 (Yale Allocation: \$679,384; Indirect costs: \$54,350)
- 2013-2017 R01MH101486, Dimensional Approaches to Research Classification in Psychiatric Disorders
National Institute of Mental Health/NIH
Title: Neural and genetic basis of negative valence traits
Role: Co-Investigator (PI: Jordan Smoller)
Amount Awarded: \$2,611,890
- 2012-2013 Robert Wood Johnson Health and Society Scholars Grant
Title: Anxiety, low mood, and individual variation in brain structure in young adults
Role: PI
Amount Awarded: \$9,659
- 2007-2008 F31MH078346, Ruth L. Kirschstein NRSA, Predoctoral Fellowship
National Institute of Mental Health/NIH
Title: Action monitoring in depression: ERP and fMRI correlates
Role: PI
Amount Awarded: \$54,222
- 2006-2007 Sackler Scholar in Psychobiology: Distinction for Interdisciplinary Research
Title: The effects of task-relevant feedback on task performance in major depressive disorder
Role: PI
Amount Awarded: \$12,480
- 2005-2006 Sackler Scholar in Psychobiology: Distinction for Interdisciplinary Research
Title: The electrophysiological correlates of action monitoring in major depressive disorder
Role: PI
Amount Awarded: \$24,960

HONORS AND AWARDS:

- 2019 A.E. Bennett Research Award, Society for Biological Psychiatry
2018 Team Science Research Award, Massachusetts General Hospital
2016 Gerald R. Klerman Award, Brain & Behavior Research Foundation – Honorable Mention
2014-2105 Junior Faculty Fellowship, Yale University

2011	Department of Psychiatry Clinical Research Award, Massachusetts General Hospital
2007	Society for Psychophysiological Research Student Travel Award
2006, 2007	Biddle Restricted Fund Research Grant, Harvard University
2005-2007	HealthEmotions Research Institute Fellow, University of Wisconsin-Madison
2006	Sigma Xi Grants-in-Aid of Research Recipient
2005	Summer Institute: Biology of Developmental Disabilities Merck Fund Travel Award
2004-2006	Harvard University Graduate Student Fellowship
2004, 2005	Ditmars Restricted Fund Research Grant, Harvard University
2004, 2005	McMasters Fund Research Grant, Harvard University
2004	Allport Fund Research Grant, Harvard University
2004	Stimson Fund Research Grant, Harvard University

HONORS AND AWARDS TO MENTEES

2019	National Science Foundation Graduate Research Fellowship (Meghan A Collins)
2019	Duke University Summer School in Social Neuroscience and Neuroeconomics (Lauren Patrick)
2018	Center for Brains, Minds, and Machines Summer Course (Meghan Collins)
2018	OHBM Merit Travel Award (Rowen Chin)
2017-2018	Theresa Seessel Postdoctoral Fellowship (Monica Rosenberg)
2016	Yale University STARS Summer Research Program (Raul Monraz)
2015	National Science Foundation Graduate Research Fellowship (Kevin M Anderson)

PUBLICATIONS (PEER REVIEWED): **Lab graduate/post-bacc trainee or *post-doctoral author

1. Kebets V, Holmes AJ, Orban C, Tang S, Li J, Sun N, Kong R, Poldrack RA, Yeo BTT. (In Press). Somatosensory-motor dysconnectivity spans multiple transdiagnostic dimensions of psychopathology. *Biological Psychiatry*.
2. Satizabal CL, Adams HH, Hibar DP, White CC, Knol MJ, Stein JL, et al., (In Press). Genetic architecture of subcortical brain structures in 38,854 individuals worldwide. *Nature Genetics*.
3. Boeke EA, Holmes AJ, Phelps EA. (In Press) Towards robust anxiety biomarkers: a machine learning approach in a large-scale sample. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.
4. DeCross SN, Farabaugh AH, Holmes AJ, Ward M, Boeke EA, Wolthusen RPF, et al. (In Press). Increased amygdala-visual cortex connectivity in youth with persecutory ideation. *Psychological Medicine*.
5. Elliott ML, Belsky DW, Anderson KM**, Corcoran DL, Ge T, Knodt A, Prinz JA, Sugden K, Williams B, Ireland D, Poulton R, Caspi A, Holmes A, Moffitt T, Harari AR. (In Press). A polygenic score for higher educational attainment is associated with larger brains. *Cerebral Cortex*.
6. Kong R, Li J, Sun N, Sabuncu MR, Schaefer A, Zou XN, Holmes AJ, Eickhoff S, Yeo BTT. (2019). Spatial topography of individual-specific cortical networks predicts human cognition, personality and emotion. *Cerebral Cortex*, 29(6), 2533–2551.
7. Baker JT, Dillon DG, Patrick LP**, Roffman JL, Pizzagalli D, Öngür D, Holmes AJ. (2019). Functional connectomics of affective and psychotic pathology. *Proceedings of the National Academy of Sciences USA*, 116, 9050-9059.
8. Li J, Kong R, Liegeois R, Orban C, Sun N, Holmes AJ, Sabuncu MR, Ge T, Yeo T. (2019). Global signal regression strengthens association between resting-state functional connectivity and behavior. *Neuroimage* 196, 126-141.

9. Stanton CH, [Holmes AJ](#), Chang SWC, Joormann J. (2019). From stress to anhedonia: molecular processes through functional circuits. *Trends in Neurosciences*, 42, 23-42.
10. Kernbach JM, Yeo BTT, Smallwood J, Margulies D, de Schotten MT, Walter H, Sabuncu MR, [Homes AJ](#), Gramfort A, Varoquaux G, Thirion B, Bzdok D. (2018). Subspecialization within default mode nodes characterized 10,000 UK Biobank participants. *Proceedings of the National Academy of Sciences USA*, 115, 12295-12300
11. Schaefer AL, Kong R, Gordon EM, Laumann TO, Zuo XN, [Holmes AJ](#), Eickhoff SB, Yeo BTT. (2018). Cerebral cortex parcellation by fusing local gradient and global clustering of resting-state functional connectivity MRI. *Cerebral Cortex*, 28, 3095-3114.
12. Anderson KM**, Krienen FM, Choi EY, Reinen JM*, Yeo BTT, [Holmes AJ](#). (2018). Gene expression links functional networks across cortex and striatum. *Nature Communications*, 9, 1428.
13. Reinen JM*, Chen OY**, Hutchison RM, Yeo BTT, Anderson KM**, Sabuncu MR, Öngür D, Roffman JL, Smoller JW, Baker JT, [Holmes AJ](#). (2018). The human cerebral cortex possesses a reconfigurable dynamic architecture that is disrupted in psychotic illness. *Nature Communications*, 9, 1157.
14. [Holmes AJ](#), Patrick LP**. (2018). The myth of optimality in clinical neuroscience. *Trends in Cognitive Sciences*, 22(3), 241-257.
15. Rosenberg MD*, Casey BJ, [Holmes AJ](#). (2018). Prediction complements explanation in understanding the developing brain. *Nature Communications*, 9, 589.
16. Ge T, [Holmes AJ](#), Buckner RL, Smoller JW, Sabuncu MR. (2018). Reply to Risk and Zhu: Mixed effects modeling as a more principled approach to heritability analysis with repeat measurements. *Proceedings of the National Academy of Sciences USA*, 115(2), E123-E123.
17. Ge T, [Holmes AJ](#), Buckner RL, Smoller JW, Sabuncu MR. (2017). Heritability analysis with repeat measurements and its application to resting-state functional connectivity. *Proceedings of the National Academy of Sciences USA*, 114(21), 5521-5526.
18. Dal Monte O, Piva M, Anderson KA**, Marios T, [Holmes AJ](#), Chang SWC. (2017). Oxytocin under opioid antagonism leads to supralinear enhancement of social attention. *Proceedings of the National Academy of Sciences USA*, 114(20), 5247-5252
19. Hibar DP, Adams HH, Jahanshad N, Chauhan G, Stein JL, Hofer E, et al. (2017). Novel genetic loci associated with hippocampal volume. *Nature Communications*, 8, 13264
20. Adams HH, Hibar DP, Chouraki V, Stein J, Nyquist P, Renteria E, et al. (2016). Novel genetic loci underlying human intracranial volume identified through genome-wide association. *Nature Neuroscience*, 19, 1569–1582.
21. Germine L, Robinson EB, Smoller JW, Calkins ME, Moore TM, Hakonarson H, et al. (2016). Association between polygenic risk for schizophrenia, neurocognition, and social cognition across development. *Translational Psychiatry*, 6, e924.
22. Lee PH, Baker J, [Holmes AJ](#), Jahanshad N, Ge T, Jung J-Y, Cruz Y, Manoach DS, Hibar DP, Faskowitz J, McMahon KL, Zubicaray GI, Martin NH, Wright MJ, Öngür D, Buckner RL, Roffman JL, Thompson PM, Smoller JW. (2016). Partitioning heritability analysis reveals a shared genetic basis of brain anatomy and schizophrenia. *Molecular Psychiatry*, 21, 1680–1689.
23. Ge T, Reuter M, Winkler AM, [Holmes AJ](#), Lee PH, Tirrell L, Roffman JL, Buckner RB, Smoller JW, Sabuncu MR. (2016). Multidimensional heritability analysis of neuroanatomical shape. *Nature Communications*, 7, 13291.
24. Sabuncu M, Ge T, [Holmes AJ](#), Smoller JW, Buckner RL, Fischl B. (2016). Morphometricity as a measure of the neuroanatomical signature of a trait. *Proceedings of the National Academy of Sciences USA*, 113(39), E5749-E5756.

25. Mormino B, Sperling RA, Holmes AJ, Buckner RL, De Jager PL, Smoller JW, Sabuncu MR, for the ADNI Initiative. (2016). Polygenic risk of Alzheimer's disease dementia is associated with early and late life processes within clinically normal individuals. *Neurology*, 87(5), 481-488.
26. Holmes AJ, Hollinshead MO, Roffman JL, Smoller JW, Buckner RL. (2016). Individual differences in cognitive control circuit anatomy link sensation seeking, impulsivity, and substance use. *Journal of Neuroscience*, 36(14), 4038-4049
27. Chekroud AM, Ward EJ, Rosenberg MD**, Holmes AJ. (2016). Patterns in the human brain mosaic discriminate males from females. *Proceedings of the National Academy of Sciences USA*, 113(14), E1968.
28. Franke B, Stein JL, Ripke S, Anttila V, Hibar DP, Kimm JE, et al. (2016). Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. *Nature Neuroscience*, 19(3), 420-431.
29. Wang D, Buckner RL, Fox MD, Holt DJ, Holmes AJ, Mueller S, Langs G, Pan R, Qian T, Baker J, Stufflebeam SM, Wang K, Wang X, Hong B, Liu H. (2015). Parcellating brain functional networks in the individual. *Nature Neuroscience*, 18(12), 1853–1860.
30. Holmes AJ, Yeo BTT (2015). From phenotypic chaos to neurobiological order. *Nature Neuroscience*, 18 (11), 1532-1534.
31. Holmes AJ, Hollinshead M, O'Keefe TM, Petrov VI, Fariello GR, Wald LL, et al. (2015). Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. *Scientific Data*, 1, 140049.
32. Hibar D, Stein JL, Renteria ME, Arias-Vasquez A, Desrivieres S, Jahanshad N, et al. (2015). Common genetic variants influence human subcortical brain structures. *Nature*, 520, 224-229.
33. Ge T, Nichols TE, Lee PH, Holmes AJ, Roffman JL, Buckner RL, Sabuncu M, Smoller JW. (2015). Massively expedited genome-wide heritability analysis (MEGHA). *Proceedings of the National Academy of Sciences USA*, 112 (8), 2479-2484.
34. Treadway MT, Waskom ML, Dillon DG, Holmes AJ, Park MTM, Chakravarty MM, Dutra SJ, Polli FE, Iosifescu DV, Fava M, Gabrieli JDE, Pizzagalli DA. (2015). Illness progression, recent stress, and morphometry of hippocampal subfields and medial prefrontal cortex in major depression. *Biological Psychiatry*, 77, 285-294.
35. Admon R, Nickerson LD, Dillon DG, Holmes AJ, Bogdan R, Kumar P, et al. (2015). Dissociable cortico-striatal connectivity abnormalities in major depression in response to monetary gains and penalties. *Psychological Medicine*, 45, 121-131.
36. Zuo XN, Anderson J, Bellec P, Birn RM, Biswal BB, Blautzik J, et al. (2014). An open science resource for establishing reliability and reproducibility in functional connectomics. *Scientific Data*, 1, 140049.
37. Smoller JW, Gallagher PJ, Duncan LE, McGrath L, Haddad S, Holmes AJ, et al. (2014). The human ortholog of acid-sensing ion channel gene ASIC1a is associated with panic disorder and amygdala structure and function. *Biological Psychiatry*, 76, 902-910.
38. Thomson PM, Stein JL, Medland SE, Hibar DP, Vasquez AA, Renteria M, et al. (2014) The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. *Brain Imaging and Behavior*, 8 (2), 153-182.
39. Pearson-Fuhrhop KM, Dunn EC, Mortero S, Devan W, Falcone GJ, Holmes AJ, et al. (2014). Dopamine gene score predicts depressive symptoms in healthy adults and adults with depression. *PLOS ONE*, 9, 5, e93772.
40. Baker JT, Holmes AJ, Masters G, Yeo BT, Krienen F, Buckner RL, Öngür D. (2014) Disruption of cortical association networks in schizophrenia and psychotic bipolar disorder. *JAMA Psychiatry*, 71, 2, 109-118.

41. Holmes AJ, Lee PH, Hollinshead M, Bakst L, Roffman JL, Smoller JW, Buckner RL. (2012). Individual differences in amygdala-medial prefrontal anatomy link negative affect, impaired social functioning, and polygenic depression risk. *Journal of Neuroscience*, 32, 50,18087-18100.
42. Bis JC, DeCarli C, Smith AV, van der Lijn F, Crivello F, Fornage M, et al. (2012). Common variants at 12q14 and 12q24 are associated with hippocampal volume. *Nature Genetics*, 44, 5, 545-551.
43. Stein JL, Medland SE, Vasquez AA, Hibar DP, Senstad RE, Winkler AM, et al. (2012). Identification of common variants associated with human hippocampal and intracranial volumes. *Nature Genetics*, 44, 5, 552-561.
44. Santesso DL, Bogdan R, Birk JL, Goetz EL, Holmes AJ, Pizzagalli DA. (2012). Neural responses to negative feedback are related to negative emotionality in healthy adults. *Social Cognitive and Affective Neuroscience*, 7, 7, 794-803.
45. Holmes AJ, Pizzagalli D. (2010). Effects of task-relevant incentives on the electrophysiological correlates of error processing in major depressive disorder. *Cognitive Affective and Behavioral Neuroscience*, 10, 1, 119-128.
46. Holmes AJ, Bogdan R, Pizzagalli D. (2010). Serotonin transporter genotype and action monitoring dysfunction: a possible substrate underlying increased vulnerability to depression. *Neuropsychopharmacology*, 35, 1186-1197.
47. Janes AC, Pizzagalli DA, Richard S, Frederick BB, Holmes AJ, Sousa A, Fava M, Evins AE, Kaufman M. (2010). Neural substrates of attentional bias for smoking-related cues: an fMRI study. *Neuropsychopharmacology*, 35, 12, 2339-2345.
48. Janes AC, Pizzagalli DA, Richardt S, Frederick BB, Chuzi S, Pachas G, Culhane MA, Holmes AJ, Fava M, Evins AE, Kaufman M. (2010). Brain reactivity to smoking cues prior to smoking cessation predicts ability to maintain tobacco abstinence. *Biological Psychiatry*, 67, 722-729.
49. Petersen, T, Pava J, Buchin J, Matthews J, Nierenberg A, Holmes AJ, Bogdan R, Graves L, Harley R, Fava M. (2010). The role of cognitive-behavioral therapy and fluoxetine in prevention of recurrence of major depressive disorder. *Cognitive Therapy and Research*, 34, 1, 13-23.
50. Dillon DG, Bogdan R, Fagerness J, Holmes AJ, Perlis RH, Pizzagalli DA. (2010). Variation in TREK1 gene linked to depression-resistant phenotype is associated with potentiated neural responses to rewards in humans. *Human Brain Mapping*, 31, 210-221.
51. Dillon DG, Holmes AJ, Birk JL, Brooks N, Lyons-Ruth K, Pizzagalli DA. (2009). Childhood maltreatment is associated with left basal ganglia dysfunction during reward anticipation in adults. *Biological Psychiatry*, 66, 206-213.
52. Pizzagalli DA, Holmes AJ, Dillon DG, Goetz EL, Birk JL, Bogdan R, Dougherty DD, Iosifescu DV, Rauch SL, Fava M. (2009). Reduced caudate and nucleus accumbens response to rewards in unmedicated subjects with major depressive disorder. *American Journal of Psychiatry*, 166, 702-710.
53. Holmes AJ, Pizzagalli DA. (2008). Response conflict and frontocingulate dysfunction in unmedicated participants with major depression. *Neuropsychologia*, 46, 2904-2913.
54. Chiu P, Holmes AJ, Pizzagalli DA. (2008) Neural dynamics of affective response inhibition: dissociable recruitment of rostral anterior cingulate and inferior frontal cortex. *NeuroImage*, 42, 988-997.
55. Holmes AJ, Pizzagalli DA. (2008). Spatiotemporal dynamics of action monitoring dysfunctions in major depressive disorder. *Archives of General Psychiatry*, 65, 2, 179-188.
56. Meites TM, Deveney CM, Steele KT, Holmes AJ, Pizzagalli DA. (2008). Implicit depression and hopelessness in remitted depressed individuals. *Behaviour Research and Therapy*, 46, 1078-1084.

57. Dillon DG, Holmes AJ, Jahn AL, Bogdan R, Wald L, Pizzagalli DA. (2008). Dissociation of neural regions associated with anticipatory versus consummatory phases of incentive processing. *Psychophysiology*, 45, 36-49.
58. Santesso DL, Dillon DG, Birk JL, Holmes AJ, Goetz E, Bogdan R, Pizzagalli DA. (2008). Individual differences in reinforcement learning: behavioral, electrophysiological, and neuroimaging correlates. *NeuroImage*, 42, 807-816.
59. Santesso DL, Steele KT, Bogdan R, Holmes AJ, Deveney CM, Meites TM, Pizzagalli DA (2008) Enhanced negative feedback responses in remitted depression. *NeuroReport*, 19, 1045-1048.
60. Holmes AJ, Pizzagalli DA. (2007) Task feedback effects on conflict monitoring and executive control: relationship to subclinical measures of mood. *Emotion*, 7, 1, 68-76.
61. Peterson T, Feldman G, Harley R, Fresco D, Graves L, Holmes A, Bogdan R, Papakostas G, Bohn L, Lury A, Fava M, Segal Z. (2007) Extreme response style in recurrent and chronically depressed patients: change with antidepressant administration and stability during continuation treatment. *Journal of Consulting and Clinical Psychology*, 75, 1, 145-153.
62. Holmes AJ, MacDonald AW, Carter CS, Barch D M, Stenger AV, Cohen JD. (2005). Prefrontal functioning during context processing in schizophrenia and major depression: an event-related fMRI study. *Schizophrenia Research*, 76, 199-206.
63. MacDonald AW, Carter CS, Kerns JG, Ursu S, Barch DB, Holmes AJ, Stenger AV, Cohen JD. (2005). Specificity of prefrontal dysfunction and context processing deficits to schizophrenia in never medicated first-episode patients with first episode psychosis. *American Journal of Psychiatry*, 62, 475-484.

PUBLICATIONS (BOOK CHAPTERS):

1. MacDonald AW, Holmes AJ. (In Press). Concepts and principles of clinical functional magnetic resonance imaging. In: AGC. Wright and MN. Hallquist (Eds.), Handbook of Research Methods in Clinical Psychology. Cambridge University Press.
2. Oscar-Berman M, Urban TA, Holmes AJ. (2016). Effects of alcoholism on neurological function and disease in adulthood. In: KJ. Sher (Ed.), The Oxford Handbook of Substance Use Disorders, Volume 2. Medicine-US.
3. Pizzagalli DA, Dillon DG, Bogdan R, Holmes A. (2011). Reward and punishment processing in the human brain: clues from affective neuroscience and implications for depression research. In: O. Vartanian and D. Mandel (Eds.), Neuroscience of Decision Making. Psychology Press, pp. 199-220.

PUBLICATIONS (SUBMITTED):

1. Dima D, Papachristou E, Medland SE, Agartz I, Alpert K, Andersson M, et al. (Submitted). Subcortical volumes across the lifespan: normative data from 10,194 individuals aged 2-92 years.
2. Anderson KM**, Holmes AJ. (Submitted). Predicting individual differences in cognitive ability from brain imaging and genetics.
3. Barbour T, Holmes AJ, DeCross SN, Ward M, Coombs G, Boeke EA, Wolthusen RPF, Beam E, Nyer M, Pedrelli P, Fava M, Harabaugh AH, Holt DJ. (Submitted). Amygdala hyperactivity in youth with familial risk for depression: a potential marker of low resilience.
4. Hibar D, Stein JL, Renteria ME, Arias-Vasquez A, Desrivieres S, Jahanshad N, et al. (Submitted). Genetic determinants of subcortical brain structures.
5. Dong H-M, Castellanos F, Yang N, Zhang Z, He Y, Zhang L, et al. (Submitted). Generating templates and growth charts for school-aged brain development.

6. Wang D, Peng X, Pelletier-Baldelli A, Orlov N, Farabaugh A, Nasr S, Eryilmaz H, Fava M, [Holmes A](#), Buckner R, Roffman J, Liu H. (Submitted). Altered temporal, but intact spatial, features of transient network dynamics in psychosis.
7. Gruskin DC*, Rosenberg MD*, [Holmes AJ](#). (pre-print). Relationships between depressive symptoms and brain responses during emotional movie viewing emerge in adolescence. *bioRxiv* 542720.
8. Grasby KL, Jahanshad N, Painter JN, Colodro-Conte L, Bralten J, Hibar DP, et al. (pre-print). The genetic architecture of the human cerebral cortex. *bioRxiv* 399402.
9. He T, Kong R, [Holmes A](#), Nguyen M, Sabuncu M, Eickhoff SB, Bzdok D, Feng J, Yeo BTT. (pre-print). Deep Neural Networks and Kernel Regression Achieve Comparable Accuracies for Functional Connectivity Prediction of Behavior and Demographics. *bioRxiv* 473603.
10. Anderson KM**, Collins MA**, Chin R**, Ge T, Rosenberg M*, [Holmes AJ](#). (pre-print). Transcriptional landscape of cortical interneurons underlies *in-vivo* brain function and schizophrenia risk. *bioRxiv* 481036.

PRESENTATIONS:

1. [Holmes AJ](#) (Symposium Chair), Fulcher B, Arnatkevičiūtė A, Kebets V. (2019, June). Transcriptomics of brain function: from circuitry and networks through psychiatric illness. The Organization of Human Brain Mapping Conference, Rome, Italy.
2. [Holmes AJ](#). (2019, June). In vivo structural and functional signatures of depression implicate somatostatin interneurons. The Organization of Human Brain Mapping Conference, Rome, Italy.
3. Anderson K, Collins M, Chin R, Ge T, Rosenberg M, [Holmes A](#). (2019, June). Parvalbumin interneurons underlie in-vivo brain function and schizophrenia risk. The Organization of Human Brain Mapping Conference, Rome, Italy.
4. Alexander-Bloch A, Poldrack R, [Holmes A](#), Duggirala R, Curran J, Blangero J, Glahn D. (2019, June). The localized genetic organization of fMRI functional connectivity. The Organization of Human Brain Mapping Conference, Rome, Italy.
5. Kebets V, [Holmes A](#), Orban C, Tang S, Li J, Sun N, Kong R, Poldrack R, Yeo BTT. (2019, June). Somatosensory-motor dysconnectivity spans multiple transdiagnostic dimensions of psychopathology. The Organization of Human Brain Mapping Conference, Rome, Italy.
6. Li J, Kong R, Liegeois R, Orban C, Sun N, [Holmes A](#), Sabuncu M, Ge T, Yeo BTT. (2019, June). Global signal regression enhances association between resting-state fMRI and behavior. The Organization of Human Brain Mapping Conference, Rome, Italy.
7. Kong R, Yang Q, Gordon E, Zuo X, [Holmes A](#), Eickhoff SB, Yeo BTT. (2019, June). Individual-specific areal-level parcellations improve functional connectivity prediction of behavior. The Organization of Human Brain Mapping Conference, Rome, Italy.
8. Patrick LM, Anderson KM, Gruskin DC, [Holmes AJ](#). (2019, June). Neural mechanisms underlying effortful persistence. Interdisciplinary Symposium on Decision Neuroscience, Durham, NC.
9. [Holmes AJ](#). (2019, May). The functional connectomics of affective and psychotic pathology. The Social and Affective Neuroscience Society Conference, Miami, FL.
10. Ho EJ, Reinen J, Gruskin D, Patrick LM, Anderson KM, Seo H, Levy I, [Holmes AJ](#). (2019, May). Brain bases of adaptive social functioning: linking emotion perception and learning. The Social and Affective Neuroscience Society Conference, Miami, FL.
11. Nasiriavanaki Z, Barbour T, Tuominen L, Farabaugh A, Fava M, [Holmes A](#), Mow J, Tootell R, Holt D. (2019, May). Insecure attachment is associated with over-responsivity of a parietofrontal network that monitors peri-personal space. 74th Annual Meeting of the Society for Biological Psychiatry, Chicago, IL.

12. Chin R, Anderson KA, Collins MA, Yendik A, Holmes AJ. (2018, November). Metabolic cost of structural hubs in the human connectome. The Society for Neuroscience Conference, San Diego, CA.
13. Rosenberg MD, Gruskin DC, Finn ES, Holmes AJ. (2018, November). Inter-subject dynamic functional connectivity: tracking functional network fluctuations during movie watching. The Society for Neuroscience Conference, San Diego, CA.
14. Collins MA, Anderson KA, Chin R, Holmes AJ. (2018, November). Neural signatures of economic deprivation and genetic risk for depression. The Society for Neuroscience Conference, San Diego, CA.
15. Patrick LM, Anderson KM, Holmes AJ. (2018, October). Neural mechanisms underlying effortful persistence. The Society for NeuroEconomics Meeting, Philadelphia, PA.
16. Collins MA, Anderson KM, Chin R, Holmes AJ. (2018, September). Neural signatures of economic deprivation and genetic risk for depression. The Society for Research in Psychopathology, Indianapolis, IN.
17. Ho EJ, Reinen J, Patrick LM, Gruskin D, Anderson KM, Seo H, Levy I, Holmes AJ. (2018, September). Brain bases of adaptive social functioning: linking emotion perception and learning. The Society for Research in Psychopathology, Indianapolis, IN.
18. He T, Kong R, Holmes A, Sabuncu M, Bzdok D, Feng J, Yeo BTT. (2018, June). Is deep learning better than kernel regression for functional connectivity prediction of behavior? The 8th International Workshop on Pattern Recognition in Neuroimaging, Singapore.
19. Kernbach J, Yeo BTT, Smallwood J, Margulies D, Walter H, Sabuncu M, Holmes A, Gramfort A, Varoquaux G, Thirion B, Bzdok D. (2018, June). Segregation and integration in the default mode network: a population brain-imaging study. The Organization of Human Brain Mapping Conference, Singapore.
20. He T, Orban C, Holmes A, Sabuncu M, Bzdok D, Feng J, Yeo BTT. (2018, June). Is deep learning better than classical machine learning for fMRI-based prediction of human behavior? The Organization of Human Brain Mapping Conference, Singapore.
21. Kong R, Li J, Sun N, Sabuncu M, Schaefer A, Zuo XN, Holmes A, Eickhoff S, Yeo BTT. (2018, June). Spatial topography of individual-specific cortical networks as a fingerprint of human behavior. The Organization of Human Brain Mapping Conference, Singapore.
22. Tuominen L, Vettermann R, Ge T, Ho N, Holmes A, Sabuncu M, Smoller J, Lee P, Buckner R, Roffman J, Holt D. (2018, May). Genetic risk loading for schizophrenia, bipolar disorder, and major depression and hippocampal subregion volumes. 73rd Annual Meeting of the Society for Biological Psychiatry, New York, NY.
23. Mow JL, Terechina O, Tuominen L, Barbour T, Farabaugh A, Fava M, Holmes A, Tootell RBH, Holt D. (2018, May). Time course of parietal cortex responses to intrusions into personal space. 73rd Annual Meeting of the Society for Biological Psychiatry, New York, NY.
24. Ho EJ, Reinen J, Patrick LM, Anderson KM, Gruskin D, Seo H, Levy I, Holmes AJ. (2018, April). Brain bases of adaptive social functioning: linking emotion perception and learning. The Social and Affective Neuroscience Society Conference, Brooklyn, NY.
25. Holmes AJ (Nanosymposium Chair), Thompson PM, Anderson KM, Vertes P, Fox AS, Carey CE, Nikolova YS, Konopka G, Venkataraman A, Gregory MD. (2017, November). Methods for combined analysis of genetic information. The Society for Neuroscience Conference, Washington, DC.
26. Anderson KM, Krienen FM, Choi E, Reinen JM, Yeo BTT, Holmes AJ. (2017, November). Gene expression associates with aspects of cortico-striatal networks in the human brain. The Society for Neuroscience Conference, Washington, DC.
27. Patrick LM, Anderson KM, Holmes AJ. (2017, November). Neural mechanisms underlying effortful persistence. The Society for Neuroscience Conference, Washington, DC.

28. Holmes AJ. (2017, September). Cortico-striatal gene expression associates with functional network architecture in the human brain. The Society for Research in Psychopathology, Denver, CO.
29. Li J, Kong R, Sun N, Holmes A, Sabuncu M, Yeo BTT. (2017, June). Global signal regression strengthens associations between behavior and resting-state fMRI. The Organization for Human Brain Mapping Conference, Vancouver, Canada.
30. Holmes AJ (Symposium Chair), Frank M, Hyde L, Swartz J, Bogdan R. (2017, June). The molecular and genetic basis of striatal function in health and disease. The Association for Psychological Science Annual Convention, Boston, MA.
31. Holmes AJ. (2017, June). Cortico-Striatal gene expression associates with functional network architecture in the human brain. The Association for Psychological Science Annual Convention, Boston, MA.
32. Roffman J, Soare T, Eryilmaz H, Rodriguez-Thompson, Lee P, Holmes A, Smoller J, Buckner R. (2017, March). Impact of fetal gene expression on cortical thickness in young adults. The International Congress on Schizophrenia Research. San Diego, CA.
33. Holmes AJ (Symposium Chair), Gee D, Heller A, Nusslock R, Barch D. (2016, September). Network approaches in the study of psychiatric illness. The Society for Research in Psychopathology, Baltimore, MD.
34. Holmes AJ, Patrick L, Dillon D, Kaiser R, Pizzagalli D, Buckner R, Öngür D, Baker J. (2016, September). Network-level fingerprints of psychiatric illness. The Society for Research in Psychopathology, Baltimore, MD.
35. Anderson KM, Krienen FM, Choi EY, Reinen JM, Yeo BTT, Holmes AJ. (2016, September). Cortico-striatal gene expression mirrors functional network architecture in humans. Federation of European Neuroscience Societies Fall Brain Conference, Copenhagen, Denmark.
36. Patrick LM, Baker JT, Dillon DG, Kaiser RH, Pizzagalli DA, Buckner RL, Öngür D, Holmes AJ. (2016, September). Disruption of frontoparietal control network in unipolar depression, bipolar disorder, and schizophrenia. Federation of European Neuroscience Societies Fall Brain Conference, Copenhagen, Denmark.
37. Reinen JM, Yeo BTT, Hutchison RM, Baker JT, Roffman JL, Smoller JW, Buckner RL, Holmes AJ. (2016, September). Exploring the functional dynamics of large-scale brain networks within and across individuals. Federation of European Neuroscience Societies Fall Brain Conference, Copenhagen, Denmark.
38. Kong R, Schaefer A, Holmes AJ, Eickhoff SB, Zou XN, Yeo BTT. (2016, June). Individual cerebral cortex parcellation with group-level spatial and connectivity priors. The Organization for Human Brain Mapping Conference, Geneva, Switzerland.
39. Zuo XN, Yang N, Wang YS, Yan CG, Holmes A, Yeo BTT. (2016 June). Sex Differences in Resting-State Functional MRI Profiles: Signal-to-Noise Ratio and Connectivity. The Organization for Human Brain Mapping Conference, Geneva, Switzerland.
40. Holmes AJ. (2016, May). Individual differences in cognitive control circuit anatomy link sensation seeking, impulsivity, and substance use. The Association for Psychological Science Annual Convention, Chicago, IL.
41. Schaefer A, Kong R, Gordon EM, Laumann T, Eickhoff SB, Zou XN, Holmes AJ, Yeo BTT. (2016, May). Cerebral cortex parcellation by fusion of local and global functional connectivity feature. The International Society for Magnetic Resonance in Medicine Annual Meeting, Singapore.
42. Kong R, Schaefer A, Holmes AJ, Eickhoff SB, Zou XN, Yeo BTT. (2016, May). Individual subject functional connectivity parcellation with group-level spatial and connectivity priors. The International Society for Magnetic Resonance in Medicine Annual Meeting, Singapore.
43. Reinen JM, Yeo BTT, Hutchison RM, Baker JT, Roffman JL, Smoller JW, Holmes AJ. (2015, October). Exploring the dynamic organization of the human brain at rest. The Society for Neuroscience Conference, Chicago, IL.

44. Anderson KM, Patrick LM, Reinen JM, Holmes AJ. (2015, October). The neural correlates of dynamic goal pursuit. The Society for Neuroscience Conference, Chicago, IL.
45. Dima D, Papachristou E, Turner J, Glahn DC, Hibar DP, van Erp T, Medland SE, Thompson PM, Frangou S, ENIGMA Lifespan Working Group. (2015, June). Subcortical brain volumes across the lifespan based on 10,722 people aged 2 to 92. The Organization for Human Brain Mapping Annual Conference. Honolulu, HI.
46. Barbour T, Decross SN, Holmes AJ, Boeke EA, Wolthusen RPF, Crowell S, Coombs G, Nyer M, Buckner RL, Fava M, Farabaugh AH, Holt DJ. (2014, December). Insecure attachment in at-risk youth is associated with hyper-responsivity of a parietofrontal cortical network involved in social behavior. American College of Neuropsychopharmacology 51st Annual Meeting, Phoenix, AZ.
47. Holt DJ, DeCross SN, Holmes AJ, Boeke EA, Wolthusen RPF, Crowell S, Coombs G, Nyer M, Buckner RL, Fava M, Farabaugh AH. (2014, December). Abnormal amygdala functional connectivity in youth with subclinical delusions. American College of Neuropsychopharmacology 51st Annual Meeting, Phoenix, AZ.
48. Shafee R, Holmes AJ, Genovese G, Roffman J, Smoller J, Buckner R, McCarroll S. (2014, November). Common SNP heritability of brain structures and intracranial volume using MRI. The Society for Neuroscience Conference, Washington, DC.
49. Ge T, Nichols TE, Holmes AJ, Lee PH, Buckner RL, Roffman J, Sabuncu MR, Smoller JW. (2014, September). Fast heritability analysis using genome-wide data via kernel machines. MICCAI Workshop on Imaging Genetics. Cambridge, MA.
50. Beam EH, Coombs G, Boeke E, Corwell S, Hollinshead M, Fava MD, Farabaugh A, Holt DJ, Buckner RL, Holmes AJ. (2014, September). Frontoparietal network connectivity associates with executive functioning deficits in young adults at risk for depression. 4th Biennial Conference on Resting State/Brain Connectivity, Boston MA.
51. Garrido L, Holmes A, Nakayama K. (2014, August). Functional connectivity of face and scene selective regions. 37th European Conference on Visual Perception, Belgrade, Serbia.
52. Holmes AJ, Hollinshead MO, Roffman JL, Smoller JW, Buckner RL. (2013, November). Individual differences in sensation seeking co-varies with substance use and prefrontal cortical thinning in healthy young adults. The Society for Neuroscience Conference, San Diego, CA.
53. Garrido L, Holmes A, Hollinshead M, Nakayama K. (2013, November). Functional connectivity patterns predict face selectivity. The Society for Neuroscience Conference, San Diego, CA.
54. Gallagher P, Duncan L, McGrath L, Haddad S, Holmes AJ, Wolf A, et al. (2013, October). The human ortholog of acid-sensing ion channel gene ASIC1a is associated with panic disorder and amygdala structure and function. The 21st World Congress of Psychiatric Genetics, Boston MA.
55. Admon R, Nickerson L, Dillon DG, Holmes AJ, Bogdan R, Kumar P, Fava M, Pizzagalli DA. (2013, September). Reduced fronto-striatal functional connectivity during reward processing in major depression. 27th Annual Meeting of the Society for Research in Psychopathology, Oakland, CA.
56. Holmes AJ, Lee PH, Hollinshead MO, Roffman JL, Buckner RL, Smoller JW. (2013, May). Amygdala-medial prefrontal circuit anatomy predicts negative affect, social functioning, and polygenic depression risk in healthy young adults. 68th Annual Meeting of the Society for Biological Psychiatry, San Francisco, CA.
57. Roffman JL, Silverstein NJ, Holmes AJ, Lee PH, Hollinshead MO, Smoller JW, Buckner RL. (May 2013). Genetic variation across the folate metabolic pathway influences cortical thickness in healthy individuals. 68th Annual Meeting of the Society for Biological Psychiatry, San Francisco, CA.

58. Garrido L, Holmes A, Hollinstead M, Buckner R, Nakayama K. (2013, May). The face network estimated by intrinsic functional connectivity employing a large sample (N = 296). Vision Sciences Society 13th Annual Meeting, Naples FL.
59. Baker J, Holmes AJ, Buckner RL, Öngür D. (2012, December). Network-level disruptions in intrinsic functional connectivity across psychotic disorders. American College of Neuropsychopharmacology 51st Annual Meeting, Hollywood, FL.
60. Roffman JL, Silverstein NJ, Holmes AJ, Lee PH, Hollinshead MO, Smoller JW, Buckner RL. (2012, December). Polygenic Variation Across the Folate Metabolic Pathway Influences Frontal Cortical Thickness: implications for Schizophrenia. American College of Neuropsychopharmacology 51st Annual Meeting, Hollywood, FL.
61. Holmes AJ, Lee PH, Hollinshead MO, Roffman JL, Buckner RL, Smoller JW. (2012, October). Polygenic depression risk in young adults predicts decreased medial prefrontal thickness. The Society for Neuroscience Conference, New Orleans, LA.
62. Baker J, Holmes AJ, Buckner RL, Öngür D. (2012, October). Disruption of the frontoparietal control network in schizophrenia and bipolar disorder: a common pathway for psychosis. The Society for Neuroscience Conference, New Orleans, LA.
63. Hollinshead MO, Holmes AJ, Crowell S, Zad M, Buckner RL. (2012, October). Probing social function using movies of dynamic social interactions. The Society for Neuroscience Conference, New Orleans, LA.
64. O'Keefe TM, Petrov VI, Buckner RL, Holmes AJ, Fariello GR. (2012, September). The informatics backbone of the brain genomics superstruct project open data release. The annual International Neuroinformatics Coordinating Facility Congress, Munich, Germany.
65. Holmes AJ, Hollinshead M, Yeo BT, Roffman JL, Smoller JW, Buckner RL. (2011, November). Increased amygdala volume and decreased cingulate thickness reliably predict negative affect in the general population. The Society for Neuroscience Conference, Washington, DC.
66. Buckner RL, Hollinshead M, Holmes AJ, Brohawn DG, Fagerness JA, O'Keefe T, Petrov V, Fariello G, Bakst L, Rubenstein S, Benner T, Sorensen G, Rosen BR, Smoller JW, Roffman JL. (2011, November). The Brain Genomics SuperStruct Project. The Society for Neuroscience Conference, Washington, DC.
67. Holmes AJ, Hollinshead M, Yeo BT, Roffman JL, Smoller JW, Buckner RL. (2011, September). Evidence for a limbic anxio-affective syndrome in the general population. The Society for Research in Psychopathology Conference, Boston, MA.
68. Lee PH, Holmes AJ, Fagerness J, Roffman J, Purcell SM, Buckner RL, Smoller JW. (2011, September). Genome-wide analyses of neuro-cognitive/brain-imaging phenotypes reveal enriched association of neuronal and psychiatric candidate genes. XIX World Congress on Psychiatric Genetics, Washington, DC.
69. The Enhancing Neuroimaging Genetics through Meta-Analysis Consortium. (2011, June). Genome-wide association meta-analysis of hippocampal volume via the ENIGMA consortium. The 17th Annual Meeting of the Organization for Human Brain Mapping. Québec City, Canada.
70. Bogdan R, Holmes AJ, Dillon DG, Pizzagalli DA. (2010, October). Reward learning and reward-related neural activation. Annual Meeting of the Social and Affective Neuroscience Society, Chicago, IL.
71. Pizzagalli DA, Holmes AJ, Dillon DG, Bogdan R, Dutra SJ, Perlis RH, Fava M. (2010, May). Major depression and variation in TREK1 gene are associated with blunted striatal responses to rewards. 65th Annual Meeting of the Society for Biological Psychiatry, New Orleans, LA.
72. Holmes AJ, Bogdan R, Pizzagalli DA. (2009, October). Associations between serotonin transporter genotype and action monitoring: a possible endophenotype explaining increased vulnerability to depression. The Society for Neuroscience Conference. Chicago, IL.

73. Holmes AJ, Pizzagalli DA. (2009, September). Electrophysiological correlates of error commission in major depressive disorder: dissociable effects of task-relevant incentives. The 6th Joint EEG and Clinical Neuroscience Society – International Society for Neuroimaging in Psychiatry Conference. Atlanta, GA.
74. Dillon D, Bogdan R, Fagerness J, Holmes A, Perlis R, Pizzagalli D (2009, March). Variations in TREK1 genotype linked to antidepressant response are associated with potentiated neural response to rewards in humans. The 16th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA.
75. Pizzagalli DA, Holmes AJ. (2008, November). Executive dysfunction and abnormal error processing in major depression: focus on frontocingulate pathways. The 42nd Annual Association for Behavioral and Cognitive Therapies Convention. Orlando, FL.
76. Holmes AJ, Pizzagalli DA. (2008, October). Resting anterior cingulate gamma activity and adaptive stroop performance: further evidence of frontocingulate dysregulation in major depression. The Society for Psychophysiological Research 48th Annual Meeting, Austin, TX.
77. Chiu P, Holmes AJ, Pizzagalli DA. (2008, October). Dissociable recruitment of rostral anterior cingulate and inferior frontal cortex in emotional response inhibition. The Society for Psychophysiological Research 48th Annual Meeting, Austin, TX.
78. Pizzagalli DA, Holmes AJ, Dillon DG, Goetz EL, Birk JL, Ryan Bogdan R. (2008, September). Reduced caudate and nucleus accumbens response to monetary rewards in major depressive disorder. The Society for Research in Psychopathology 22nd Annual Meeting Pittsburgh, PA.
79. Steele K, Bogdan R, Holmes A, Meites T, Deveney C, Pizzagalli D. (2008, September). Resting left frontal alpha activity predicts an increased tendency to associate the self with happiness in remitted depressed subjects: a source localization EEG study. The Society for Research in Psychopathology 22nd Annual Meeting Pittsburgh, PA.
80. Pizzagalli DA, Dillon DG, Evins AE, Holmes AJ, Birk J, Goetz E, Pachas G, Loebel T. (2008, May). Effects of a single dose of Bupropion on the neural substrates of reward processing in major depression: a double-blind, placebo-controlled fMRI study. The 63rd Annual Convention of the Society for Biological Psychiatry, Washington, DC.
81. Holmes AJ & Pizzagalli D. (2007, November). The ERP correlates of action monitoring deficits in major depression. The 41st Annual Association for Behavioral and Cognitive Therapies Convention. Philadelphia, PA.
82. Holmes AJ & Pizzagalli D. (2007, November). The electrophysiological correlates of action monitoring in major depressive disorder: spatial localization and functional connectivity. The Society for Neuroscience Conference, San Diego, CA.
83. Dillon DG, Holmes AJ, Lyons-Ruth K, Pizzagalli DA. (2007, November). Effects of chronic stress on incentive processing in humans. The Society for Neuroscience Conference, San Diego, CA.
84. Holmes AJ & Pizzagalli D. (2007, October). The spatio-temporal dynamics of conflict-related processing in major depressive disorder. Society for Psychophysiological Research 47th Annual Meeting, Savannah, GA.
85. Meites T, Deveney C, Steele K, Holmes A, Pizzagalli D. (2007, October) Always look on the bright side of life: implicit depression and hopelessness. Society for Research in Psychopathology 21st Annual Meeting Iowa City, IA.
86. Pizzagalli D & Holmes AJ. (2007, May). Abnormal responses to errors in depression: Behavioral and electrophysiological correlates. Association for Psychological Science 19th Annual Convention, Washington, DC.
87. Holmes AJ & Pizzagalli D. (2006, October). Action monitoring and feedback effects in major depressive disorder: a 128-channel EEG study. The Society for Psychophysiological Research 46th Annual Meeting, Vancouver, British Columbia, Canada.

88. Pizzagalli DA, Holmes AJ, Peccoralo LA, Davidson RJ, Cohen JD. (2006, September). Resting anterior cingulate gamma activity and abnormal responses to errors in depression: A source localization high-density EEG study. The Third Joint ECNS (EEG and Clinical Neuroscience Society) & ISNIP (International Society for Neuroimaging in Psychiatry) Conference, Boston, MA.
89. Holmes AJ & Pizzagalli D. (2006, May). Task-relevant feedback effects on action monitoring within a subclinically depressed sample. American Psychological Society 18th Annual Convention, New York, NY.
90. Petersen T, Fresco D, Graves L, Bogdan R, Holmes A, Fava M, Segal ZV. (2005, November). Extreme response style: change with antidepressant treatment and long-term stability. Association for Behavioral and Cognitive Therapies Convention, Washington, DC.
91. Holmes AJ & Pizzagalli D. (2005, *presented online due to Hurricane*). Task feedback effects on conflict monitoring and executive control: relationship to subclinical measures of depression. The Society for Research in Psychopathology, Miami, FL.
92. Barch DM, MacDonald AW, Braver TS, Carter CS, Kerns JG, Ursu S, Holmes AJ, Stenger AV, Cohen JD. (2003, October). Cognitive control and prefrontal cortex dysfunction in major depression: The role of psychotic features. The Society for Psychophysiological Research 43th Annual Meeting, Chicago, IL.
93. Becker TM, Snitz BE, Kerns JG, Barch DM, Yablonsky EJ, Holmes A, Meiwald J, Cohen JD, Carter CS. (2003, November) Context processing deficits and associated hypofrontality predict functional outcome in first episode schizophrenia patients. The Society for Neuroscience Conference, New Orleans, LA.
94. Holmes AJ, MacDonald AW, Carter CS, Barch DM, Stenger AV, Cohen JD. (2003, March). The specificity of context processing deficits associated with hypofrontality in schizophrenic patients: an event-related fMRI study. The International Congress on Schizophrenia Research, Colorado Springs, CO.
95. Carter CS, MacDonald AW, Holmes A, Stenger VA. (2003, March). Prospective longitudinal fMRI study of prefrontal cortex based context processing in never medicated first-episode schizophrenia. The International Congress on Schizophrenia Research, Colorado Springs, CO.
96. Kerns JG, MacDonald AW, Barch DM, Holmes A, Cohen JD, Carter CS. (2003, March). Context-processing deficits and decreased prefrontal cortex activity: Specific associations with unmedicated, first-episode schizophrenia and with disorganization symptoms. International Congress on Schizophrenia Research, Colorado Springs, CO.
97. Carter CS, MacDonald AM, Holmes A, Kriley C, Cohen JD. (2002, April). Parsing hypofrontality: Contributions of dorsolateral prefrontal and anterior cingulate dysfunction to impaired executive functions on never medicated first episode psychosis. The Annual Convention of the Society for Biological Psychiatry, Philadelphia, PA.
98. Carter CS, Barch DM, MacDonald AW, Ursu S, Holmes AJ, Cohen JD. (2000, April). Prefrontal related impairments in cognitive control are not specific to schizophrenia. International Congress on Schizophrenia Research, Whistler, British Columbia, Canada.

COLLOQUIUM AND INVITED LECTURES:

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| 2018 | Departmental Colloquium Series, Psychology Department, University of Hartford, Hartford CT. |
| 2018 | The Interface of Psychology, Neuroscience, and Genetics Summer Workshop, Psychology & Brain Sciences Department, Washington University, St Louis, MO |
| 2018 | Computational Psychiatry Meeting, Princeton University, Princeton NJ. |
| 2018 | Rutgers-Princeton Center for Computational Cognitive Neuropsychiatry, Rutgers University, Piscataway NJ. |

- 2017 Social Brain Sciences Talk Series, Psychology Department, Dartmouth University, Hanover NH.
- 2017 Departmental Colloquium Series, Counseling & Clinical Psychology Department, Teachers College, Columbia University, New York NY.
- 2017 Neuroscience Graduate Program Seminar Series, Neuroscience Department, Brown University, Providence RI.
- 2017 Clinical Brownbag, Psychology Department, Northwestern University, Evanston IL.
- 2017 Research Seminar in Clinical Science, Psychology Department, Harvard University, Cambridge MA.
- 2015 Center for Depression, Anxiety, and Stress Research, Psychiatry Department, McLean Hospital, Belmont MA.
- 2015 Biological Sciences Training Program Lecture, Psychiatry Department, Yale University School of Medicine, New Haven CT.
- 2015 Research Seminar in Clinical Science, Psychology Department, Harvard University, Cambridge MA.
- 2015 Departmental Colloquium Series, Psychology Department, Wesleyan University, Middletown CT.
- 2014 fMRI Seminary Series, Magnetic Resonance Research Center, Yale University School of Medicine, New Haven CT.
- 2014 Current Works in Behavior, Genetics, and Neuroscience, Psychology Department, Yale University, New Haven CT.
- 2014 Here we go again -- replication in psychological science. Chair, Graduate Student Activities Committee sponsored faculty panel, Psychology Department, Yale University, New Haven CT.
- 2014 Cognition, Brain, & Behavior Research Seminar, Psychology Department, Harvard University, Boston MA.
- 2013 Current Works in Behavior, Genetics, and Neuroscience, Psychology Department, Yale University, New Haven CT.
- 2012 Psychiatric Genetics and Translational Research seminar, Massachusetts General Hospital, Boston MA.
- 2011 Martinos Brain and Cognition Talks series, Martinos Center, Massachusetts General Hospital, Boston MA.
- 2007 30th Annual Harvard University Fall Teaching Conference, Harvard University, Cambridge MA.
- 2007 Annual Winter Teaching Conference, Harvard University, Cambridge MA.
- 2006 Annual Fall Teaching Conference, Harvard University. Cambridge MA.

TEACHING:

- 2014- Instructor – Psych 737: Research Topics in Clinical and Affective Neuroscience (enrollment: ~5-12 per semester)
Yale University
- 2018-2019 Instructor – Psych 110: Introduction to Psychology (enrollment: Fall: 82; Summer: 21)
Yale University
- 2017-2018 Co-Instructor – Psych 530: Foundations of Neuroscience: Biological Bases of Human Behavior (enrollment: 15-17 per semester)
Yale University

- 2017-2018 Instructor – Psych 704: Current Work in Neuroscience (enrollment: 11)
Yale University
- 2016 Instructor – Psych 110: Introduction to Psychology (enrollment Spring: 113; Fall: 176)
Yale University
- 2015 Instructor – Psych 719b: History and Systems in Psychology (enrollment: 7)
Yale University
- 2014-2015 Instructor – Psych 720: Current Work in Clinical Psychology (enrollment: 6)
Yale University
- 2014 Instructor – Psych 718a: Diversity in Clinical Science and Practice (enrollment: 12)
Yale University
- 2007 Grader – Psych 1855 Mood Disorders
Harvard University
- 2006-2007 Lead Departmental Teaching Fellow – Derek Bok Center for Teaching and Learning
Harvard University
- 2006-2007 Instructor – Psych 3555 Instructional Styles in Psychology
Harvard University
- 2006 Writing Fellow – Graduate Writing Fellows Program
Harvard University
- 2006 Guest Lecturer – Psych E 2450 Affective and Social Neuroscience; Mood and cognition
Harvard University
- 2006 Guest Lecturer – Psych 1855 Mood Disorders; Cognitive changes in major depression
Harvard University
- 2005 Teaching Fellow – Psych 18 Abnormal Psychology
Harvard University
- 2004 Guest Lecturer – Psych 970 Sophomore Tutorial; Neuroanatomy
Harvard University

MENTORING AND ADVISING:

- 2014- Research Supervisor – Psyc 490, 492, 495, 496, and 499: Supervised Research
Yale University
Kacey Fang (2017-2019)
Angelica Fuentes (2017, second reader)
Holly Shillan (2017, second reader)
Audrey Luo (2016-2017)
Kweku Djan (2016-2017)
Aneesha Ahluwalia (2016, second reader)
Vanessa Holman (2106, second reader)

Danielle Currin (2014-2016)
Emily Poirier (2014-2015)
Natalie Lapidés (2014-2015)
Daniel Weiner (2015, second reader)
Caroline Diehl (2015, second reader)
Kimberly Fabian (2015, second reader)
William Moran (2015, second reader)

2006-2007 Research Supervisor – Psych 985 Junior Tutorial: Honors Thesis Preparation
Harvard University
Katherine Steele (2006-2007)

2003-2007 Research Supervisor – Psych 910r: Supervised Research
Harvard University
Katherine Steele (2005-2007)
Akshay Lohitsa (2005-2006)
April Timberlake (2004-2005)
Erika Cowman (2003-2004)

COMMITTEE MEMBERSHIP:

Dana Allswede (clinical), Reader 1st year project, Pre-Dissertation Committee, Yale
Kevin Anderson (neuroscience), Reader 1st year project, Pre-Dissertation Committee, Yale
Emily Boeke (cognitive), Dissertation Committee, New York University
Rebecca Boswell (clinical), Pre-Dissertation Committee, Yale
Grace Brennan (clinical), Reader 1st year project
Michael Bronstein (clinical), Reader 1st year project
Adam Chekound (cognitive), Dissertation Committee, Yale
Rowen Chin (neuroscience), Pre-Dissertation Committee, Yale
Yoonho Chung (clinical), Dissertation Committee Chair, Yale
Meghan Collins (clinical), Pre-Dissertation Committee, Yale
Sunny Dutra (clinical), Dissertation Committee Chair, Yale
Danielle Gerhard (clinical), Pre-Dissertation Committee, Yale
Erica Ho (clinical), Pre-Dissertation Committee, Yale
Corey Horien (interdisciplinary neuroscience program), Qualifying Exam Committee, Yale
Jessica Joiner (cognitive), Dissertation Committee, Yale
Elizabeth Lewis (clinical), Reader 1st year project, Pre-Dissertation Committee, Yale
David Melnikoff (social), Dissertation Committee, Yale
Termara Parker (interdisciplinary neuroscience program), Qualifying Exam Committee, Yale
Lauren Patrick (neuroscience), Pre-Dissertation Committee, Yale
Junli Ping (neuroscience), Dissertation Committee, Yale
Hannah Weinberg-Wolf (cognitive), Dissertation Committee, Yale
Nicholas Santascoy (social), Dissertation Committee, Yale
Rashina Seabury (clinical), Dissertation Committee, Yale
Zarrar Shehzad (cognitive), Dissertation Committee, Yale
Ema Tanovic (clinical), Reader 1st year project, Pre-Dissertation Committee, Yale
Allie Yimeng Wang (social), Reader 1st year project, Pre-Dissertation Committee, Yale
Amanda Zheutlin (clinical), Dissertation Committee, Yale

EDITORIAL BOARD/CONSULTING JOURNAL EDITOR:

2018- Journal of Abnormal Psychology

AD HOC REVIEWER:

American Journal of Psychiatry (2018-2019)
Biological Psychiatry (2011, 2013-2019)
Biological Psychiatry: Cognitive Neuroscience and Neuroimaging (2016-2018)
Biological Psychology (2009-2012)
Biology of Mood and Anxiety Disorders (2014)
Behavioral and Brain Functions (2012)
Behavioral and Brain Sciences (2015)
Brain Imaging and Behavior (2015)
Brain Research (2011, 2014)
Brain Topography (2009)
Clinical Psychological Science (2013-2016)
Clinical Psychology Review (2011)
Cognition and Emotion (2006)
Cognitive Affective and Behavioral Neuroscience (2012-2014)
Cortex (2014)
eLife (2019)
Frontiers in Human Neuroscience (2013)
Gene, Brain and Behavior (2018)
Harvard Review of Psychiatry (2014)
Human Brain Mapping (2007, 2017)
International Journal of Psychophysiology (2009-2010)
JAMA Psychiatry/Archives of General Psychiatry (2012-2013, 2015, 2019)
Journal of Abnormal Psychology (2008, 2016, 2019)
Journal of Affective Disorders (2008)
Journal of Neurophysiology (2006, 2016-2017)
Journal of Neuroscience (2013-2014, 2016-2018)
Journal of Personality and Social Psychology: Personality Processes and Individual Differences (2017)
Molecular Psychiatry (2019)
Nature Communications (2018)
Nature Human Behavior (2018-2019)
Nature Neuroscience (2018-2019)
Neurobiology of Disease (2011)
NeuroImage (2012, 2014, 2016-2018)
NeuroImage: Clinical (2016)
Neuroimaging (2012)
Neuropsychologia (2011-2012)
Neuropsychopharmacology (2014-2015, 2017-2018)
PLoS ONE (2012)
Proceedings of the National Academy of Sciences (2016)
Psychiatry and Clinical Neurosciences (2010)
Psychiatry Research (2010, 2012)
Psychological Medicine (2011)
Psychoneuroendocrinology (2005)
Psychopharmacology (2011)

Psychophysiology (2007, 2010, 2012-2013, 2015)
Schizophrenia Research (2014)
Science Advances (2019)
Scientific Reports (2019)
Trends in Cognitive Sciences (2018-2019)

RESEARCH GRANT REVIEW:

2019 Outside reviewer, European Research Council
2009 Outside reviewer, University of Ghent (Belgium)

MENTORING

Postdocs Current: Monica Rosenberg (co-advised with BJ Casey; transitioning to tenure track faculty at the University of Chicago Summer 2019)
Past: Jenna Reinen (IBM Watson Health)

PhD students Current: Kevin Anderson, Rowena Chin, Meghan Collins, Erica Ho, Lauren Patrick

Undergraduates *Senior thesis writer
Current: Kacey Fang*
Past: Eric Chiang, Danielle Currin*, Kweku Djan, Amrita Iyer, Natalie Lapidés*, Adrian Lin, Audrey Luo*, Raul Monraz, Emily Poirier*, Justin Shi, Levi Truong

Study staff Current: Lia Chen
Past: Oliver Chen, David Gruskin, Lauren Patrick, Bradley Wise

SERVICE AND OTHER EXPERIENCE:

2017- Yale Center for Research Computing Steering Committee, Yale University; Faculty Lead for Focus Group on Grant Opportunities
2017- Senior Thesis Awards Committee, Psychology Department, Yale University
2016- Undergraduate Neuroscience Major Curriculum Committee, Yale University
2016-2019 Undergraduate Neuroscience Track Advisor, Yale University
2015-2016 Psychology Study Pool Faculty Coordinator, Yale University
2014- Fellow of Berkeley College, Yale University
2005-2006 Psychology Graduate Student Organization Co-President, Harvard University
2004-2006 Psychology Study Pool Committee Member, Harvard University

MEMBERSHIPS:

Association for Psychological Science
Organization for Human Brain Mapping
Society for Neuroscience
Society for Research in Psychopathology