

Vijay Anand Mittal

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Major Professional Interests: schizophrenia; risk for psychosis; early identification and intervention; neurodevelopmental models

Academic Positions

- 2015 – Present* Assistant Professor
Department of Psychology
Northwestern University
- 2015 – Present* Assistant Professor (secondary)
Department of Psychiatry
Northwestern University
- 2016 – Present* Faculty Associate
Institute for Policy Research (IPR)
Northwestern University
- 2016 – Present* Assistant Professor (secondary)
Department of Medical Social Sciences
Northwestern University
- 2016 – Present* Preceptor
Northwestern University Interdepartmental Neuroscience (NUIN)
Northwestern University
- 2017-Present* Co-Director
Institute for Innovations in Developmental Sciences (DevSci), Training Core
Northwestern University
- 2015-Present* Adjunct Professor
University of Colorado at Boulder
Department of Psychology and Neuroscience
- 2010 – 2015* Assistant Professor
University of Colorado at Boulder
Department of Psychology and Neuroscience
- 2010 – 2015* Faculty Member
University of Colorado at Boulder

Center for Neuroscience

Educational Background

- 2014-Present Licensed Clinical Psychologist, Colorado #psy.0004100
- 2008 – 2010 Postdoctoral Fellowship
University of California Los Angeles
Clinical Neuroscience Lab
Training Program in Clinical Research in Schizophrenia and Mood Disorders
Department of Psychology
- 2007- 2008 APA Approved Internship in Clinical Psychology
University of California Los Angeles
Adolescent Serious Mental Illness Track
Department of Psychiatry and Biobehavioral Sciences
- 2008 Ph.D., Clinical Psychology
Emory University
Department of Psychology
- 2004 M.A., Psychology
Emory University
Department of Psychology
- 2001 B.A. Psychology
University of California Santa Barbara
Graduated: *magna cum laude*

Academic Honors

Association for Psychological Science Fellow (APS) 2017
UC Davis ERP Boot-Camp Fellowship, 2017
Brain and Behavior Research Foundation, Independent Investigator, 2017
Early Career Award, Society for Research in Psychopathology (SRP), 2016
Early Career Impact, Federation of Associations in Behavioral and Brain Sciences (FABBS), 2016
Face of the Future Symposium Presenter, Society for Research in Psychopathology, 2014
Outstanding Faculty Research Award, University of Colorado Boulder, Department of Psychology and Neuroscience, 2014
National Institute of Health (NIH) Biobehavioral Research Awards for Innovative New Scientist (BRAINS) Recipient, 2011
Smadar Levin Award, honorable mention, Society for Research in Psychopathology, September 2009
National Institute of Health (NIH), Clinical Research Loan Repayment Program (LRP) Award, 2009-2011, 2011-2012
National Institute of Mental Health (NIMH), Ruth Kirschstein National Research Service Award (NRSA), T32-MH14584-33, 2008-2010

Staglin Family Intern in Adolescent Serious Mental Illness, 2007-2008
National Science Foundation (NSF) Research and Teaching Award, 2006-2007
Emory University, Psychological Center Research Award, 2006-2007
Georgia Psychological Association; Division G (Adolescent and Child Psychology),
Presentation Award, 2006

Professional Associations

Society for Biological Psychiatry, 2016-present
Northwestern University Interdepartmental Neuroscience, 2016-present
Institute for Policy Research, Northwestern University, 2016-present
Schizophrenia International Research Society (SIRS), 2013
Eastern Psychological Association (EPA), 2012
International Graphonomics Society, 2011
Center for Neuroscience, University of Colorado at Boulder, Member, 2010-present
International Early Psychosis Association (IEPA), 2010
Society for Research in Psychopathology (SRP), 2002-present
Association for Psychological Science (APS), 2002-present
American Psychological Association (APA), 2006-present
National Society of Colligate Scholars, 2001-present
Psi Chi, National Honor Society in Psychology, 2001-present
Phi Beta Kappa, 2001-present
University of California Golden Key, 2001-present

Appointed Editorial Positions

Consulting Editor:

2014-present Journal of Abnormal Psychology

Guest Editor:

*Journal of Ethics in Mental Health, Special Issue: Prevention and Detection of
Serious Mental Illness: the Ethics of Prediction*

Ad Hoc Reviewer:

Journal of the American Academy of Child and Adolescent Psychiatry
The Lancet Psychiatry
Schizophrenia Bulletin
Human Brain Mapping
Psychological Medicine
Journal of Abnormal Psychology
Cortex
Clinical Psychology Review
Psychiatric Services
American Journal of Psychiatry
Archives of General Psychiatry/JAMA Psychiatry
Psychiatry and Clinical Neuroscience
Clinical Psychology: Science and Practice
Journal of Clinical Psychiatry
Psychiatry Research

Social Psychiatry and Psychiatric Epidemiology
Progress in Neuro-psychopharmacology and Biological Psychiatry
Public Library of Science (PLoS ONE)
Development and Psychopathology
Biological Psychiatry
Journal of Psychiatric Research
Psychoneuroendocrinology
European Psychiatry
Comprehensive Psychiatry
Psychiatry Research: Neuroimaging
British Journal of Psychiatry
The Journal of Psychiatric Research
Acta Psychiatrica Scandinavica
Schizophrenia Research

Grant Review

2016 NIMH Special Emphasis Panel, Memory, Cognition, and Attention, **ZRG1
BBBP-Z (05) M**

2014-2015 Qatar National Research

2013 Medical Research Council, UK (MRC)

2013-2016 French National Research Agency: Evaluation Committee of the Mental
Health/Addictions Ad Hoc Reviewer

Related Service

2016-present NIMH Research Domain Criteria (RDoC) Motor Domain Workgroup

2017 -Group Co-Moderator

Research Experience

2010-present Director
Adolescent Development and Preventive Treatment (ADAPT) Research
Program
Lab Website: <http://www.adaptprogram.com>
Northwestern/University of Colorado Boulder
Department of Psychology

2016-present Co-Director (with Christine Hooker, Rush University Medical Center)
Chicago Early Intervention Network
Northwestern/Rush University Medical Center

2008 - 2010 Postdoctoral Research Fellow
Training in Clinical Research in Schizophrenia and Mood Disorders
University of California Los Angeles
Department of Psychology
Mentors: Tyrone, Cannon, Ph.D. and Keith Nuechterlein, Ph.D.

2007 - 2010 Center for the Assessment and Prevention of Prodromal States (CAPPS)
University of California Los Angeles

Department of Psychiatry and Biobehavioral Sciences
Advisors: Tyrone Cannon, Ph.D., Carrie Bearden, Ph.D.

2006 - 2007 Neurological Soft-Signs - Psychotic Disorders
Department of Veterans Affairs Atlanta, Medical Center
Advisor: Erica Duncan, Ph.D.

2002 - 2008 Adolescent Neurodevelopment and Psychopathology
Emory University
Mentor: Elaine Walker, Ph.D.

2001 - 2002 Aftercare Program, First-Onset Schizophrenia Longitudinal Study
University of California Los Angeles
Neuropsychiatric Institute (NPI)
Advisors: Kenneth Subotnik, Ph.D.

Research Funding, Intramural/Extramural Support

A. Active

National Institute of Health, R01MH094650

Project Title: Motor Measures of Basal Ganglia and Cerebellar Circuit Dysfunction in Psychosis

Principal Investigator: Vijay A. Mittal, Ph.D.

Project Period: 06/01/2011-02/29/2018 (currently in NCE)

Total Direct Cost: \$1,820,544

CO-Is: Randal Ross, M.D., Marie Banich Ph.D., Mark Brown Ph.D., David Miler, Ph.D.

Goal: Investigate spontaneous movement abnormalities as a potential biomarker for white matter and grey matter development components of frontal-subcortical circuits, in adolescents at high-risk for psychosis.

National Institute of Mental Health Translational Research for the Development of Novel Interventions for Mental Disorders: R21/R33 Award, MH103231

Exercise and markers of medial temporal health in youth at ultra high-risk for psychosis

Principal Investigators: Vijay Mittal, Ph.D., Angela Bryan

Project Period: 07/2014-6/2019

Total Direct Costs: \$850,000

Co-I: Randal Ross, M.D.

Goal: To test feasibility and to design a pilot controlled trial investigation of cardiovascular exercise and medial temporal neurogenesis and cognitive/functioning remediation in youth at high-risk for schizophrenia.

National Institute of Mental Health 1R01MH112545-01

2/3 Community psychosis risk screening: An instrument development study

Principal Investigator: Vijay Mittal, Lauren Ellman, Jason Schiffman

Proposed Project Period: 7/2017-7/2022

Total Direct Costs: \$2,500,000.00

CO-Is: Thomas Olino, Waren Bilker

Goal: This study, including sites in Chicago, Philadelphia, and Baltimore, will recruit 12,000 adolescent and young adult participants with the aim of developing a screening designed to identify non help-seeking community youth who are likely to meet criteria for a psychosis risk syndrome.

Brain Behavior Research Foundation Independent Investigator Award (NARSAD)

Brain stimulation targeting cerebellar-cortical circuits and verbal working memory in psychosis

Principal Investigator: Vijay Mittal

Project Period: 9/2017-8/2019

Total Direct Costs: \$100,000

Co-I: Jessica Bernard

Goal: A functional magnetic resonance imaging (fMRI), double-blind cross over study designed to determine if targeted cerebellar brain stimulation will normalize brain activation and behavioral task performance in individuals with schizophrenia performing a verbal working memory task.

National Institute of Mental Health R21 MH110374

Neural Habituation in Ultra High-Risk Youth

Principal Investigators: Vijay Mittal

Project Period: 4/2017-3/30/2019

Total Direct Costs: \$275,000

Co-Is: Timothy Curran, Robin Nusslock

Consultant: Holly Earls

Goal: This project will examine how neural habituation (i.e., a decrease in neural activation to repeated stimuli) is related to social processing deficits in ultra high-risk youth (UHR), a group at imminent risk for transitioning to a psychotic disorder. The project utilizes electroencephalography (EEG) to examine whether neural habituation abnormalities in the P100 component (associated with early visual perception), and N170 repetition effect (associated with visual object recognition and learning) are specific to social stimuli (emotional and/or neutral faces) or generalize to non-face objects.

Northwestern Data Science Initiative Award

Automated analysis of vocal characteristics for early detection of schizophrenia

Total Award: \$30,000

06/2016-05/2017

P.Is Matthew Goldrick, Emily Cibelli, Vijay Mittal

Goal: To Evaluate early motor dysfunction in speech signifying risk for psychosis.

Buffett Institute for Global Study, Scholars in Israel Collaboration

P.Is Matthew Goldrick, Vijay Mittal, Emily Cibelli, Joseph Keshet, Yossi Adi, Jennifer Cole

Date: 06/2017-5/2017

Total Award: \$25,000

A Multidisciplinary Approach to Predicting Schizophrenia

Goal: To use machine learning to evaluate movement markers of risk for psychosis.

Northwestern Weinberg College Research and Innovation Grant W Award

Using motor control disruptions in speech to predict risk for psychotic disorders

Direct Costs: \$35,000

Project Period: 9/2017-8/2018

Goal: To develop software for analyzing speech patterns indicating increased risk for psychosis.

Brain and Behavior Research Foundation, NARSAD Young Investigator Award
Elucidating the Role of Abnormal Motor Resonance in Social Cognition Deficits in Schizophrenia
PI: Jerilyn Kent
Project Period: 12/2017-11/19
Total Direct Costs: \$60,000
Sponsors: Scott Sponheim
Collaborator: Vijay Mittal
Goal: Evaluating the intersection between motor and social function deficits in schizophrenia.

Current Mentored and Sponsored Awards

Brain and Behavior Research Foundation, NARSAD Young Investigator Award
Emotion, Mental Health, and Epigenetic clock in high-risk caregivers
Principle Investigator: Claudia Haase
Project Period: 12/2017-11/19
Total Direct Costs: \$60,000
Goal: To determine how negative emotion during dyadic interaction predicts accelerated epigenetic aging in caregivers of youth at risk for psychosis.
Sponsor: Nina Alexander, Vijay Mittal

Canadian Institutes of Health Research (CIHR), Doctoral Foreign Study Award (DFSA)
Cortical Midline Structures and Self-Reflection in youth at ultra-high risk for psychosis
PI: Raffles Cohen
Dates: 9/2017-8/2020
Mentors: Dan McAdams, Vijay Mittal
Goal: To use narrative interviewing and resting stage imaging methods to understand aberrant self-reflection in high-risk youth.

B. Pending

National Institute of Mental Health R21 (7th percentile in first round, waiting for Council Decision)
High-Risk Psychosis Youth and Caregivers: Emotion in Interaction
Earliest Start: 9/2017
Principal Investigators: Claudia Haase, Vijay A Mittal.
Total Direct Costs: \$275,000
Goal: Project will examine affective deficits utilizing a cross disciplinary approach.

C. Completed Research Support

Intermountain Neuroimaging Consortium (INC) Pilot Award
Default Mode Network Hyperconnectivity Across the Schizophrenia Spectrum
PI: Mittal and Turner
Project Period: 2012-2013
Goal: To examine potential hyperconnectivity patterns across the psychosis spectrum

National Institute of Health (NIH) Clinical Research Loan Repayment Award (2009-2012)
Dyskinetic Movements and Glucocorticoids in Adolescents At-Risk for Psychosis
Principal Investigator: Vijay A. Mittal, Ph.D.
NIH- L30 MH087258:01-02

Goal: This project is designed to investigate the roles between stress reactivity, reciprocal dopamine activation, and potentially consequent neuromotor dysfunction

National Institute of Mental Health (NIMH) National Research Service Award (NRSA)/Training
Principal Investigator: Keith Nuechterlein, Ph.D., Mentor: Tyrone Cannon
NIMH NRSA T32 MH14584-33
University of California Los Angeles, Department of Psychology
Role: Postdoctoral Fellow

National Science Foundation (NSF) GK12 Program
Problems and Research in Integrating Science and Math (PRISM)
Awards #DGE0536941 and #DGE0231900
Principal Investigator: Patricia Marsteller, Ph.D.
Role: Research Fellow, Teacher

Completed Mentored Award

Brain Behavior Research Foundation (formally NARSAD): Young Investigator Award
Cerebello-Prefrontal Involvement in Error Processing and Rule Learning in Youth at Ultra High-Risk for Psychosis
Project Period: 1/1/2015-1/1/2017
Total Direct Costs: \$60,000
P.I. Jessica Bernard, Ph.D.
Mentor: Vijay Mittal, Ph.D.
Co Mentor: Banich

National Research Service Award (NRSA), 1F31MH100821-01A1
The neural basis of social cognition in adolescence
10/01/2013-9/30/2016
P.I. Andrea Pelletier, M.A.
Mentor: Vijay Mittal, Ph.D.
Co-Mentors: Tor Wager, Jessica Turner

National Research Service Award (NRSA) 1F32MH102898-01
Cerebellar contributions to disease course in youth at high-risk of psychosis
10/01/2013-9/30/2015
P.I. Jessica Bernard, Ph.D.
Mentor: Vijay Mittal, Ph.D.
Co-Mentor: Marie Banich

Publications

Note: * indicates the author was a graduate student or postdoctoral student who worked under my direct mentorship

A. Peer Reviewed Articles:

- 1) Corcoran, C., Walker, E. F., Huot, R., Mittal, V. A., Tessner, K., Kestler, K. & Malaspina, D. (2003). The stress cascade and schizophrenia: etiology and onset. *Schizophrenia Bulletin*, 29(4), 671-692.

- 2) Mittal, V. A., Tessner, K., Delawalla Z., McMillan, A., Trottmann, H. & Walker, E. F. (2006). Gesture behavior in unmedicated schizotypal adolescents. *Journal of Abnormal Psychology*, 115(2), 351-358.
- 3) Mittal, V. A., Dhruv, S., Tessner, K. D. Walder, D. J., & Walker, E. F. (2007). The relations among putative bio risk markers in schizotypal adolescents: minor physical anomalies, movement abnormalities and salivary cortisol. *Biological Psychiatry*, 61(10), 1179-1186.
- 4) Mittal, V. A., Tessner, K. D., & Walker, E. F. (2007). Elevated social Internet use and schizotypal personality disorder in adolescents. *Schizophrenia Research*, 94(1-3), 50-57.
- 5) Mittal, V. A., Tessner, K. D., Trottmann, H. D., Dhruv, S., Esterberg, M., Simeonova, D., McMillan, A. L., Murphy, E., Saczawa, M. & Walker, E. F. (2007). Movement abnormalities and the progression of prodromal symptomatology in adolescents at risk for psychotic disorders. *Journal of Abnormal Psychology*, 116(2), 260-267.
- 6) Mittal, V. A., & Walker, E. F. (2007). Movement abnormalities predict conversion to Axis I psychosis among prodromal adolescents. *Journal of Abnormal Psychology*, 116(4), 796-803.
- 7) Mittal, V. A., Hasenkamp, W., Sanfilippo, M., Wieland, S., Burton, A., Rotrosen, J. & Duncan, E. (2007). Relation of neurological soft signs to psychiatric symptoms in schizophrenia. *Schizophrenia Research*. 94(1-3), 37-44.
- 8) Walker, E. F., & Mittal, V. A. (2007). Movement abnormalities- psychosis: Letter to the Editor. *APA Monitor on Psychology*, 38(8).
- 9) Walker, E. F., & Mittal, V. A., (2007). External and inherent constraints on progress in psychology: reflections on Paul Wachtel's observations. *Applied & Preventive Psychology: Current Scientific Perspectives*, 12, 44-46.
- 10) Mittal, V. A., Neumann, C., Saczawa, M., & Walker, E. F. (2008). The longitudinal progression of movement abnormalities and psychotic symptoms in adolescents at high-risk for psychosis. *Archives of General Psychiatry*, 65(2), 165-170.
- 11) Mittal, V. A., Saczawa, M., Walder, D. J., Willhite, R., & Walker, E.F. (2008). Prenatal viral teratogen exposure and conversion among adolescents at high-risk for psychosis. *Schizophrenia Research*, 99, 375-376.
- 12) Walder, D. J., Mittal, V. A., Trottmann, H. D., McMillan, A. L. & Walker, E. F. (2008). Neurocognition and conversion to psychosis in adolescents at high-risk. *Schizophrenia Research*, 101, 161-168.
- 13) Walker, E. F., Mittal, V. A., & Tessner, K. D. (2008). HPA activity and the developmental course of schizophrenia. *Annual Review of Clinical Psychology*, 4, 5.1-5.28.
- 14) Mittal, V. A., Willhite, R., & Cannon, T. D. (2008). Floaters: A potential confound to

The assessment of perceptual abnormalities. *Schizophrenia Research* 104(1-3), 305-306.

- 15) Mittal, V. A., Ellman, L. M. & Cannon, T. D. (2008). Gene-environment interaction and covariation in schizophrenia: The role of obstetric complications. *Schizophrenia Bulletin* 34, 1083-1094.
- 16) Mittal, V. A., Willhite, R. W., Niendam, T., Daley, M. Bearden, C. E., Ellman, L. M., & Cannon, T. D. (2009). Obstetric complications and risk for conversion to psychosis among Individuals at high clinical risk, *Early Intervention in Psychiatry* 3, 226-230.
- 17) Mittal, V. A. Walker, E. F., Walder, D., Trotman, H., Bearden, C. E., Daley, M. Simone, A. & Cannon, T. D. (2010). Markers of basal ganglia dysfunction and conversion to psychosis: Neurocognitive deficits and dyskinesias in the prodromal period. *Biological Psychiatry*, 68, 93-99.
- 18) Mittal, V. A., Karlsgodt, K. H., Zinberg, J., Cannon, T. D. & Bearden, C. E., (2010). Identification and Treatment of a Pineal Gland Tumor in an Adolescent with Prodromal Psychotic Symptoms. *American Journal of Psychiatry*, 167(9), 1033-1037.
- 19) Mittal, V.A., & Walker E.F. (2010). Movement Abnormalities and Schizophrenia in DSM V. *Psychological Medicine*, 40(9)1581-1583.
- 20) Mittal, V.A., Daley, M., Shioda, M.F., Bearden, C.E., O'Neill, J., & Cannon, T.D. (2010). Striatal volumes and dyskinetic movements in youth at high-risk for psychosis. *Schizophrenia Research*, 123(1), 68-70.
- 21) Mittal, V.A., & Walker, E. F. (2011). Minor physical anomalies and hippocampal system vulnerability in youth at high clinical risk: converging evidence from neurocognitive, endocrine, and symptom profiles. *Schizophrenia Research*. 129, 116-121.
- 22) Mittal, V.A., Cannon, T.D., Bearden, C.E., (2011). Reply to De Nadai et al, *American Journal of Psychiatry*. 168 (5), 550-551.
- 23) Tessner, K. D., Mittal, V.A., & Walker, E.F. (2011). Longitudinal study of stressful life events and daily stressors among adolescents with schizotypal personality disorder, *Schizophrenia Bulletin*, 37(2), 432-441.
- 24) Mittal, V.A., Jalbrzikowski M, Bearden, C.E., Daley M., Roman C., Cannon T.D. (2011). Abnormal movements are associated with poor psychosocial functioning in adolescents at high risk for psychosis. *Schizophrenia Research*, 130 (1 -3), 164-169.
- 25) Mittal, V.A. & Walker, V. A. (2011). Dyskinesias, tics, and psychosis in the next Diagnostic and Statistical Manuel of Mental Disorders. *Psychiatry Research* 189, 158-159.
- 26) Mittal, V.A., *Dean, D., *Pelletier, A., Caligiuri, M., (2011). Associations between

instrumentally gauged movement abnormalities and attenuated psychotic symptoms in healthy young adults. *Schizophrenia Research*, 132, 194-196.

- 27) *Pelletier, A. & Mittal, V.A. (2012). An Autism Dimension for Schizophrenia in the Next Diagnostic and Statistical Manual, *Schizophrenia Research*. 137(1-3) : 269-270.
- 28) Mittal, V.A., *Dean, D., & *Pelletier, A. (2012). Dermatoglyphic asymmetries and fronto-striatal dysfunction in young-adults reporting non-clinical psychosis. *Acta Psychiatrica Scandinavica*, 126:290-297. PMC3404232
- 29) Mittal, V.A., Smolen, A., *Dean, D.J. *Pelletier, A. *Avery, J., *Smith, A. (2012) BDNF val66met and spontaneous dyskinesia in non-clinical psychosis. *Schizophrenia Research*, 140, 65-70. PMC3423560
- 30) Golembo-Smith, S, Walder, D, Daly, M., Mittal, V.A., Kline, E. Reeves, G., Schiffman, J (2012). The presentation of dermatoglyphic abnormalities in schizophrenia: a meta-analytic review. *Schizophrenia Research* 142(1-3)1-11.
- 31) *Pelletier, A. *Dean, D. *Lunsford-Avery, J.L., *Orr, J., *Gupta, T., Mittal, V.A. (2013). Facial emotion recognition deficits are associated with broader social/role dysfunction in non-clinical psychosis. *Schizophrenia Research* 143, 70-73
- 32) *Pelletier, A. Mittal, V.A (2013). Negative symptom measurement in individuals at-risk for psychosis. *Psychiatry Research*, 205(1-2):181-182.
- 33) Mittal, V.A., *Orr, J.M. *Pelletier, A.L., *Dean, D.J., *Lunsford-Avery, J. *Smith, A. (2013). Hypothalamic-Pituitary-Adrenal Axis Dysfunction in Non-Clinical Psychosis. *Psychiatry Research*, 206(2-3):315-317. PMC3615096
- 34) *Smith, A.K., & Mittal., V.A. (2013). Delusions of Body Image in the Prodrome. *Schizophrenia Research*, 146(1-3):366-367.
- 35) Mittal, V.A., *Dean, D., & *Pelletier, A. (2013). Internet addiction, Reality Substitution, and Longitudinal Changes in Psychotic-like Experiences in Young Adults. *Early Intervention in Psychiatry*. 7(3) 261-9, DOI: 10.1111/j.1751-7893.2012.00390.x
- 36) Frank, G., Schott, M, Hagman J., Mittal, V.A. (2013). Alterations in brain structures related to taste reward circuitry in ill and recovered anorexia, but also bulimia nervosa. *American Journal of Psychiatry*, 10(170):1152-1160. doi: 10.1176/appi.ajp.2013.12101294
- 37) *Dean, D., Caliguiri, M., Tuelings, H., & Mittal, V.A. (2013). Handwriting Analysis Indicates Spontaneous Dyskinesias in Adolescents at high-risk for schizophrenia. *Journal of Visual Experiments*, 81 e50852, doi:10.3791/50852
- 38) *Dean, D.J. & Mittal, V.A. (2013). Tinnitus: A potential confound when assessing perceptual abnormalities ultra-high risk youth. *Schizophrenia Research*, 147: 410-411 doi:10.1016/j.schres.2013.04.033.

- 39) *Lunsford-Avery, J. & Mittal, V.A. (2013). Sleep dysfunction prior to the onset of schizophrenia: a review and neurodevelopmental diathesis-stress conceptualization. *Clinical Psychology: Science and Practice*, 20 (3): 291-320 DOI: 10.1111/cpsp.12041.
- 40) Mittal, V.A., *Gupta, T., *Orr, J.M. *Pelletier, A.L., *Dean, D.J., *Lunsford-Avery, J. *Smith, A., *Robustelli, B.R., *Leopold, D.R., *Millman, Z. (2013). Physical activity level and medial temporal health in youth at ultra high-risk for psychosis. *Journal of Abnormal Psychology*, 122(4), 1101-1110.
- 41) *Lunsford-Avery, J.R., *Orr, J.M., *Gupta, T., *Pelletier, A.L., *Dean, D.J., *Bernard, J., *Smith, A., *Bernard, J., *Millman, Z., Mittal, V.A. (2013). Sleep Dysfunction and Thalamic Abnormalities in Adolescents at Ultra High-Risk for Psychosis. *Schizophrenia Research* 151(1-3):148-53. doi: 10.1016/j.schres.2013.09.015.
- 42) Mittal, V, *Orr, J. *Turner, J. *Pelletier, A., *Dean, D., *Lunsford-Avery, J. *Gupta, T. (2013). Striatal abnormalities and Spontaneous Dyskinetic Movements in Non-Clinical Psychosis. *Schizophrenia Research*, 151 (1-3) 141-147. doi: 10.1016/j.schres.2013.10.003
- 43) Frank, G., Schott, M., Haggman, J. Mittal, V (2013). Reply to Keating and Rossell. *American Journal of Psychiatry*, 170(11), 1367.
- 44) *Dean, D.J., *Bernard, J.A., *Orr, J., *Pelletier, A.L., *Gupta, T., *Carol, E., Mittal, V.A. (2014). Cerebellar morphology and procedural learning impairment in youth at ultra high-risk of psychosis, *Clinical Psychological Science*, 2(2)152-164.
- 45) Mittal, V.A., *Dean, D.J., *Bernard, J.A., *Orr, J.M., *Pelletier, A., *Carol, E., *Gupta, T., *Turner, J., *Leopold, D., *Robustelli, B., *Millman, Z. (2014) Neurological Signs predict cerebellar-thalamic tract development and negative symptoms in adolescents at high risk for psychosis: a longitudinal perspective. *Schizophrenia Bulletin*, 40(6) 1204-1215 doi:10.1093/schbul/sbt199
- 46) *Bernard, J. *Dean, D., *Kent, J., *Pelletier, A.L., *Gupta, T, Mittal, V.A. (2014). Cerebellar Networks in Individuals at Ultra High-Risk of Psychosis: Impact on Postural Sway and Symptom Severity. *Human Brain Mapping*. 35(8), 4064-4078. DOI; 10.1002/hbm.22458
- 47) *Orr, J, *Turner, J., Mittal, V (2014). Widespread brain disconnectivity associated with psychotic-like experiences in the general population. *Neuroimage: Clinical* (4) 343-351. PMC3913833
- 48) *Pelletier, A.L., *Dean, D.J., *Lunsford-Avery, *Smith, A.K., *Orr, J., *Gupta, T., *Millman, Z., Mittal, V.A. (2014). Orbitofrontal cortex volume and intrinsic religiosity in non-clinical psychosis. *Psychiatry Research, Neuroimage* 22(3), 124-130.
- 49) *Wu, S.S., Mittal, V.A., Pennington B., Willcutt, E.G. (2014). Mathematics achievement

- scores highlight psychosis risk in school-aged children. *Schizophrenia Research*, 156, 133-134.
- 50) *Carol, E., & Mittal, V.A. (2014). Self-Reported Cannabis Use is Inconsistent with the Results From Drug-Screening in Youth at Ultra High-Risk for Psychosis, *Schizophrenia Research*, 157(1-3): 317-318 doi: 10.1016/j.schres.2014.05.032.
- 51) *Millman, Z, Goss, J., Schiffman, J., *Mejias, J., *Gupta, T., Mittal, V.A. (2014). Mismatch and Lexical Retrieval Gestures are Associated with Visual Information Processing, Verbal Production, and Symptomatology in Youth at High Risk for Psychosis. *Schizophrenia Research*, 158(1-3): 64-68. doi: 10.1016/j.schres.2014.06.007.
- 52) *Bernard, J. & Mittal, V.A. (2014). Cerebellar Motor Dysfunction In Schizophrenia and Psychosis Risk: the Importance of Regional Cerebellar Analysis Approaches. *Frontiers in Psychiatry*, 5:160, doi: 10.3389/fpsy.2014.00160
- 53) *Gupta, T., Mittal, V (2014) Nicotine is associated with elevated processing speed and spatial working memory in youth at ultra high-risk for psychosis. *Psychiatry Research*, 15;220(1-2):687-; doi: 10.1016/j.psychres.2014.07.085.
- 54) Schott, M.E., Cornier, M.A., Mittal, V.A., Pryor, T.L., *Orr, J., Brown, M.S., Frank, G.K.W. (2015). Orbitofrontal cortex and brain reward response in obesity. *International Journal of Obesity*, 39(2):214-221, doi: 10.1038/ijo.2014.121.
- 55) *Bernard, J.A., Leopold, D., Calhoun, V., Mittal, V.A. (2015) Regional Cerebellar Volume and Cognitive Function From Adolescence to Late Middle Age. *Human Brain Mapping*, 36:1102-1120, doi: 10.1002/hbm.22690
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- 103) Mittal, V.A., Bernard, J.A., Northoff, G. (in press). What can different motor circuits tell us about psychosis? An RDoC perspective. *Schizophrenia Bulletin*
- 104) van Harten, P. Walther, S., Kent, J, Sponheim, S., Mittal, V.A, The clinical and prognostic value of motor abnormalities in psychosis, and the importance of instrumental assessment (in press). *Neuroscience and Biobehavioral Reviews*
- 105) *Clark, S., Mittal, V.A., Bernard, J., A., Ahmadi, A., Turner, J., (in press) Stronger default mode network connectivity is associated with poorer clinical insight in adolescents at ultra high-risk for psychosis. *Schizophrenia Research*
- 106) Bondy, E., Stewart, J.G., Hajcak, G., Weinberg, A., Tarlow N., Mittal, V.A., Auerbach, R.P. (in press) Stability of neural markers implicated in emotion processing. *Psychophysiology*

107) Gruber, J. Strauss, G., Dombrecht, L., & Mittal, V. (in press). Neuroleptic free youth at at Ultrahigh risk for psychosis evidence diminished motion reactivity that is predicted by depression and anxiety. *Schizophrenia Research*

B. Book Chapters and Encyclopedia:

- 1) Mittal, V. A., Kalus, O., Bernstein, D. P., & Siever, L. J. (2007). Schizoid Personality Disorder. Chapter in O'Donohue, W. O., Lilienfeld, S. T. & Fowler, K. A. (Eds.) *Handbook of Personality Disorders: Towards the DSM V*. Thousand Oaks: Sage Publications, p. 63-81.
- 2) Walker, E. F., McMillan, A., & Mittal, V. A. (2007). *Neurohormones, Neurodevelopment and the Prodrome of Psychosis in Adolescence*. In Walker, E. F. & Romer, D. (Eds.). *Adolescent psychopathology and neurodevelopment: integrating brain and preventive science*. Oxford University press: USA. p. 264-284.
- 3) Walker, E. F., McMillan, A., Tessner, K., Mittal, V. A., & Trottman, H. (2007). Adolescent neurodevelopment: A critical period for preventive intervention. In M. Tsuang, W. Stone, & M. Lyons (Eds.), *Recognition and Prevention of Major Mental and Substance use Disorders*. American Psychological Publishing, Inc: Arlington. p. 187-213.
- 4) Walker, E. F., Bollini, A., Hochman, K., Kestler, L. & Mittal, V. A., (2007). Schizophrenia. In J. E. Maddox & B. A. Winstead (Eds.) *Psychopathology: Foundations for a Contemporary Understanding* (2nd edition). Lawrence Erlbaum Associates: New York.
- 5) Walker, E. F., Mittal, V. A., & Tessner, K. D., & Trottman, H. (2008). Schizophrenia and the Psychotic spectrum. In Craighead, EW, Miklowitz, DJ, & Craighead, LW (Eds.), *Psychopathology: History, Diagnosis, and empirical foundations*. John Wiley & Sons, Inc.: New Jersey, p. 402-434.
- 6) Cornblatt, B. A., Walker, E. F., Green, M. F., & Mittal, V. A., (2008). Schizophrenia: Etiology and Neurocognition. In T. Millon, P. H. Blaney, & R. D., Davis (Eds.) *Oxford Textbook of Psychopathology* (2nd edition). Oxford University Press: New York.
- 7) Mittal, V. A., & Walker, E. F. (2009). Movement abnormalities: a putative biomarker of risk for Psychosis. In Ritsner, M.S. (Ed.) *The Handbook of Neuropsychiatric Biomarkers, Endophenotypes, and Genes*. Springer: NY p. 239-258.
- 8) Karlsgodt, K. Ellman, LE. Sun, F., Mittal, VA., Cannon TD. (2011). Is the neural developmental model of schizophrenia still alive? In *Schizophrenia, The Final Frontier: A Festschrift-Tribute for Robin Murray*. Edited by David, A., Kapur, S., & McGuffin, P. London: Maudsley Publication by Routledge-Taylor Francis.
- 9) Kestler, L. Bollini, A., Hochman, K., Mittal, V. A., Walker, E. F., (2012). Schizophrenia. In J. E. Maddox & B. A. Winstead (Eds.) *Psychopathology: Foundations for a Contemporary Understanding* (3rd edition). Routledge: New York
- 10) Trottman, H., Mittal, V. A., Tessner, K. D., & Walker, E. F., (2013). Schizophrenia and the

- Psychotic spectrum. In Craighead, EW, Miklowitz, DJ, & Craighead, LW (Eds.), *Psychopathology: History, Diagnosis, and empirical foundations* (2nd Edition). John Wiley & Sons, p. 403-445.
- 11) Mittal, V.A., *Pelletier, A.L., Kestler, L. Bollini, Hochman, K., & Walker, E.F. (in press). Schizophrenia. In J.E. Maddox & B.A. Winstead (Eds.) *Psychopathology: Foundations for a contemporary understanding* (4th edition) Routledge: New York.
 - 12) Mittal, V.A. Overview, Schizophrenia. In Wenzel, A., (Ed) *Sage Encyclopedia of Abnormal and Clinical Psychology*. Sage, Thousand Oaks CA, 2958-2966.
 - 13) *Robustelli, B, Mittal, V.A., *Thought Insertion*. Definitions in *Sage Encyclopedia of Abnormal and Clinical Psychology*. Wenzel, A Ed). Sage, Thousand Oaks CA: 3523-3524.
 - 14) *Dean, J., Mittal, V.A., *Akathisia* Definitions in *Sage Encyclopedia of Abnormal and Clinical Psychology*. Wenzel, A (Ed). Sage, Thousand Oaks CA: 3476-3477.
 - 15) *Carol, E.D., Mittal, V.A., *Schizophrenia Spectrum and Other Psychotic Disorders: Incidence and Prevalence* Definitions in *Sage Encyclopedia of Abnormal and Clinical Psychology*. Wenzel, A (Ed). Sage, Thousand Oaks CA: 2950-2952.
 - 16) *Gupta, T., Mittal, V.A., *Thought Broadcasting* Definitions in *Sage Encyclopedia of Abnormal and Clinical Psychology*. Wenzel, A (Ed). Sage, Thousand Oaks CA: 3522.
 - 17) Ryan, Arthur, Trottmann, H., Mittal, V. A., Tessner, K. D., & Walker, E. F., (2017). Schizophrenia and the Psychotic spectrum. In Craighead, EW, Miklowitz, DJ, & Craighead, LW (Eds.), *Psychopathology: History, Diagnosis, and empirical foundations* (3rd Edition). John Wiley & Sons, p. 403-445.
 - 18) Haut, K. Mittal, V, Shankman, S, Hooker, C, (2017) Cognitive training in schizophrenia. (Eds Hoffman, Asmundson), *The Science of Cognitive Behavioral Therapy*, Elsevier. 483-520.

Select Research Presentations

A. Conference and Academic Symposia

Symposium: Aerobic exercise across the phases of schizophrenia: Neural, cognitive, symptomatic and functional impact

Society for Research in Psychopathology, Denver 2017

Chair: Keith Nuechterlein, Speakers: Mittal, Joseph Ventura, David Kimhy

Symposium: Motor dysfunction in schizophrenia disorders and beyond: advances, challenges, and future directions

World Congress of Psychiatry, 2017

Berlin

Co-Presenters: Dusan Hirjak, Vijay Mittal (*Tina Gupta), Robert Christian Wolf, Sebastian Walther

Symposium: Social interaction challenges: the nonverbal communication deficits in psychosis
World Congress of Psychiatry, 2017

Berlin

Co-Presenters: Sebastian Walther, Vijay Mittal (*Tina Gupta), Mary Lavelle, Wiepke Cahn, Rose McCabe

Invited Departmental Colloquium: Translational approaches to clinical science for high-risk adolescents

Purdue University

Host: Daniel Foti

Invited Symposium:

Early Detection and Targeted Intervention for Youth at Risk for Serious Psychopathology:
Translating Basic Research to Practical Implementation

Brookstone Conference: Northwestern University

Meeting the Challenges of Emerging Mental Illness, 2016

Speakers: Mittal, Reinecke, Goulding, Smoth, Cicchetti, Klodnick, Fagan, Cronenwett, McGorry

Invited Address: Markers of Basal Ganglia and Cerebellar Dysfunction in Early Psychosis

Johns Hopkins University, 2017

Baltimore

Host: Laurent Younes

Invited Address: Early Career Award Address: Why motor behaviors are important for understanding, detecting, and treating psychotic disorders

Society for Research in Psychopathology 2016

Baltimore

Symposium: Gesture Behavior in Psychotic Illness

Society for International Biological Psychiatry, 2017

Copenhagen

Co-Presenters: Sohee Park, Sebastian Walther, Ben Straube, Vijay Mittal (*Derek Dean)

Symposium: Cerebellar Abnormalities Across Psychiatric Illness

Society of Biological Psychiatry (SOBP), 2016

Atlanta, GA

Co-Presenters: Adam Culbreth, William Hetrick, Jessica Bernard

Symposium: Back to the Hippocampus: Investigating Hippocampal Abnormalities in Early Psychosis

Society for International Research in Schizophrenia, 2016

Florence, Italy

Co-Presenters: Mary Cannon, Anthony David, Ana Calvo

Symposium: Movement Disorders: A Non-Mental Core Symptom of Psychotic Disorders and the Importance of Instrumental Screening

Society for International Research in Schizophrenia, 2016

Florence, Italy

Co-Presenters: Sebastian Walther, Peter Van Harten, Jim Van Os

Grand Rounds: Novel treatments in the psychosis Risk Period

Northwestern Psychiatry, 2015

Northwestern University

Invited Presentation: Hippocampal shape changes in the psychosis prodrome; normative and pathological developmental influences.

Department of Psychology, 2015

University of Illinois, Chicago

Symposium Presentation: Verbal and nonverbal communication deficits in schizophrenia: Gesture Mismatch and lexical retrieval gestures in the psychosis prodrome

European Congress of Schizophrenia Research

Berne, Germany

2015

Speakers: Mittal (*Derek Dean), Walther, Kircher, Straube

Symposium Presentation: Translational Clinical Science in the Psychosis Prodrome

Early Career Symposium

Society for Research in Psychopathology, 2014

Evanston, IL

Speakers: Mittal, Hicks, Sellbom, LeMoult

Invited Colloquium: Translational Science in the Psychosis Prodrome

Emory University

Atlanta, GA, 2014

Speaker: Mittal

Invited Presentation: Paper Session: Schizophrenia

Society for Research in Psychopathology (SRP)

Oakland, CA 2013

Speakers: Levy, Orr, Wynn, Keane, Lewandowski

Chair: Vijay Mittal

Symposium: Mittal, V.A. Movement Abnormalities Across the Psychosis Continuum, A Tribute to Elaine Walker.

Association for Psychological Science (APS)

Washington DC, 2013

Co-Presenters: Michael Green, M.D., Deborah Walder, Ph.D., Elaine Walker, Ph.D.

Invited Presentation: Frontal subcortical dysfunction and the progression of dyskinesia in adolescents at ultra-high risk for psychosis.

Mind Research Network (MRN)

New Mexico, 2013

Invited Talk: Vulnerability characteristics, the motor system, and high-risk youth

Eastern Psychological Association (EPA)
New York, 2013

Symposium: Spontaneous Dyskinesia Across a Psychosis Continuum
International Early Psychosis Association (IEPA)
San Francisco, 2012

Speakers: Vijay Mittal, Danny Koren, Alana Scully, Larry Seidman, Helene Barder, Christine Hooker
Chair: Larry Seidman, Barbara Cornblatt

Invited Presentation: White-matter correlates of abnormal motor behaviors in psychosis
University of Indiana Bloomington (2012)

Clinical Science Colloquium

Hosts: William Hetrick, Jerilyn Kent

Grand Rounds: Movement Abnormalities and Prodromal Research

University of Colorado Denver, Anschutz Medical Campus

Denver, Colorado, 2011

Host: Robert Freedman, MD

Symposium: Brains Award Address: Adolescent neural development and risk for psychosis
Society for Neuroscience

Washington DC, 2011

Chairs: Thomas Insel, Kathleen Anderson

Symposium. Neurodevelopmental precursors to schizophrenia: Evidence of risk from womb to adolescence.

Society for Research in Psychopathology

Seattle, Washington, 2010

Co-presenters: Elaine Walker, Vijay A. Mittal, Lauren Ellman, Scott Schobel

Invited Speaker. Biomarkers and Adolescent Maturation in the Prodromal Stage.

Psychology Department Colloquia,

State University of New York, Stony Brook (November 2009), University of Iowa (January 2010),

University of South Carolina, (November 2009), University of Colorado Boulder (Feb, 2009),

University of Missouri (December, 2009)

Invited Speaker. Community based mental health and early psychosis

29th Nordic Congress of Psychiatry

Stockholm Sweden, (September, 2009)

Speakers: Vijay A Mittal, Erik Simonsen, Lena Flyckt

Chair: Nils Linefors, Christina Hultman

Invited Speaker for Live teleconference and web-cast for Schizophrenia E-Journal Club.

Longitudinal progression of movement abnormalities in relation to psychotic symptoms in adolescents at high risk for schizophrenia.

Live teleconference and web-cast for Schizophrenia E-Journal Club (August, 2008).

Network for Continuing Medical Education (NCME):

Moderator: Dr. John M. Kane

Clinical Neuroscience Rounds. Putative markers of biological risk and schizophrenia.
University of California Los Angeles, 2008
Department of Psychiatry and Biobehavioral Sciences
Instructors: Melita Daley, MD, Tyrone Cannon, Ph.D.

Serious Mental Illness, Training Group. Motor function and psychotic disorders.
University of California Los Angeles, 2008
Department of Psychology.
Instructor: Constance Hammen Ph.D., Cindy Yee-Bradbury, Ph.D., Keith Nuechterlein, Ph.D.

B. Community Lectures

Compass, Northbrook

Translating Science to Practice in the Psychosis Risk State
August 2017

Compass, Chicago

Translating Science to Practice in the Psychosis Risk State
July 2017

North Shore Community Hospital Grand Rounds

Early Detection and targeted intervention for individuals at high-risk for schizophrenia
March 2017
Host: Fred Miller MD

Department of Child and Family Service (DCFS)

Department of Recruitment & Resources
What is the ADAPT Program?
November 2016

Thresholds, Illinois

Psychosis Risk Syndromes
March 2017

Transition Action Network, Chicago

Recognizing signs and symptoms/helping foster transition from high-school
Co-Presenters: Marc Fagan
December 2016

Loyola University Clinic

Psychosis Risk Syndromes
University Clinic Rounds
Host: Daniel-De Boer
October 2016

Northwestern University Active Minds

Stigma Panel
Evanston

Co-Presenters: Robin Nusslock, Katie Sanford, Bria Royal
Spring 2016

Community Open House: Behavioral Health Resources for Families

University of Colorado
ADAPT services and Schizophrenia
Boulder, CO 2013

Co-Presenters: Chhabildas, Schneck, Dimidjian, Hepburn, Taylor

Symposium: Your Brain on Art: The Brain and Music

Boulder Museum of Contemporary Art (BMoCA)
Boulder Colorado, 2013

Co-Presenters: Vijay Mittal, Scott O'Neil, Otis Taylor

Community Awareness of Ultra High-Risk Syndromes for Schizophrenia

Boulder High School
Fairview High School
April 13

Symposium: Your Brain on Art: Neuroaesthetics

Boulder Museum of Contemporary Art (BMoCA)
Boulder Colorado, 2012

Co-Presenters: Vijay Mittal, William Stoehr, Lew Harvey

Invited Talk: Early recognition of a schizophrenia risk-syndrome

Denver Health School Based Health Centers (school based mental health therapists in DPS)
Denver, Colorado, 2012

Host: Jenifer Koch

Invited Talk: The schizophrenia prodrome and CU Boulder's ADAPT program

Denver Health, Adolescent in-patient unit
Denver, Colorado, 2011

Host: Jonathan Kusumi (Director of Inpatient Unit)

Invited Talk: The schizophrenia Prodrome and CU Boulder's ADAPT program

Boulder Community Hospital, Adult in-patient unit
Boulder, Colorado, 2011

Host: Peggy Caspari (Director of Inpatient Unit)

Symposium: Your Brain on Art: The neuroscience of improvisation

Boulder Museum of Contemporary Art (BMoCA)
Boulder Colorado, 2011

Co-Presenters: Vijay Mittal, William Stoehr, Richard Cummings, Robert Sher-Machherndl

C. Other

Staff Research Talk- The ADAPT lab Research Program

University of Colorado Boulder
January 2013

Conference Participation

2017	World Congress of Psychiatry, Berlin Germany
2017	World Conference of Biological Psychiatry, Copenhagen
2017	International Congress for Schizophrenia Research, San Diego, California
2016	Society for Biological Psychiatry, Atlanta
2016	Society for Research in Psychopathology, Baltimore
2016	Society for International Schizophrenia Research, Florence
2015	European Congress of Schizophrenia Research, Berlin Germany
2015	International Congress for Schizophrenia Research, Colorado Springs
2014	Society for Research in Psychopathology, Chicago
2013	Society for Research in Psychopathology, Oakland
2013	Association for Psychological Science, Washington D.C.
2013	International Congress for Schizophrenia Research, Orlando Florida -International Prodromal Research Network, (IPRN)
2013	Eastern Psychological Association, New York
2012	International Association for Early Psychosis (IEPA), San Francisco
2012	Society for Research in Psychopathology, Ann Arbor
2012	Society for Biological Psychiatry, Philadelphia
2011	Society for Neuroscience, Washington DC
2011	International Congress for Schizophrenia Research, Colorado Springs -International Prodromal Research Network, (IPRN)
2011	Society for Research in Psychopathology, Boston
2010	Society for Research in Psychopathology, Seattle, Washington
2009	29 th Nordic Congress of Psychiatry, Stockholm, Sweden
2009	Society for Research in Psychopathology, Minneapolis, Minnesota
2009	International Congress for Schizophrenia Research, San Diego, California -International Prodromal Research Network, (IPRN)
2008	Society for Research in Psychopathology, Pittsburg, Pennsylvania
2007	Society for Research in Psychopathology, Iowa City, Iowa.
2006	Society for Research in Psychopathology, San Diego, California
2005	Georgia Psychological Association; Atlanta, Georgia
2004	Society for Research in Psychopathology; St. Louis, Missouri
2003	Association for Psychological Science; Atlanta, Georgia
2003	Society for Research in Psychopathology; Montreal, Canada

Abstracts from Conference Poster Presentations:

- *Cohen, R, McAdams, D., Mittal, V (2017). Core beliefs in healthy youth and youth at ultra high-risk for psychosis. APS, Boston.
- *Cibelli, E., Cole, J., Mittal, V., & Goldrick, M. (2017). Prosodic cues to psychosis risk. *Acoustical Society of America, Boston.*
- *Clark, S, Ahmadi, A., Turner, J., Mittal, VA (2017) Insight and cerebello-cortical connectivity in adolescents at ultra high risk for schizophrenia. ICOSR SD, Schizophrenia Bull, 43(S1) S42

- Mittal, V.A., *Dean, D., *Gupta, T., Bryan, A., (2017) Aerobic exercise intervention for clinical high-risk youth improves cognitive and hippocampal abnormalities. ICOSR SD, 43(S1) S168
- *Carol, E.E., *Newberry, R.E., Mittal, V.A. (2016) *Cannabis and basal cortisol levels in adolescents at ultra high-risk for psychotic disorders*. Poster presented in Society for Research in Psychopathology, Baltimore, MD.
- *Dean, D.J., *Gupta, T., *Newberry, R.E., *Pelletier-Baldelli, A., *Carol, E.E., Mittal, V.A. (2016) *Initial findings from an open label exercise intervention in youth at risk for psychosis*. Poster presented at Society for Research in Psychopathology. Baltimore, MD.
- *Kramer, K.R., *Samson A.T., *Dean D.J., Mittal, V.A. (2016). Video Motion Assessment of Movement Abnormalities During Clinical Interview in Youth at Risk for Psychosis. Poster presented at Society for Research in Psychopathology. Baltimore, MD.
- *Russell, C.E., *Newberry, R.E., Mittal, V.A., & *Bernard, J.A. (2016, September). Patients with Schizophrenia Show Aberrant Patterns of Basal Ganglia Activation: Evidence from ALE Meta-Analysis. Poster session presented at the Thirtieth Annual Meeting of the Society for Research in Psychopathology, Baltimore, MD.
- *Gupta, T., *Kelley N.J., *Dean, D.J., *Ristanovic, I., *Maloney, J.F., Mittal, V.A. (2016). Cerebellar tDCS and procedural learning in non-clinical psychosis. *Poster presented at Society for Research in Psychopathology, Baltimore, MD.*
- *Pelletier-Baldelli, A., *Andrews-Hanna, J.A., Mittal, V.A.(2016). Salience and Symptoms in Youth at High Risk for Psychosis: A Longitudinal Dynamic Functional Connectivity Study. *Poster presented at Society for Research in Psychopathology, Baltimore, MD.* Robustelli,
- *Newberry, R., *Whisman, M.A., & Vijay Mittal, V.A. *Social relationships in adolescents at ultra high risk for psychosis*. (2016, October). Presented at the 50th annual meeting of the Association for Behavioral and Cognitive Therapies, New York, NY.
- *Clark, S, *Ahmadi, A, *Bernard, J, Turner, J, Mittal V. (2016) Insight and cerebello-cortical connectivity in adolescents at ultra high-risk for schizophrenia. ICOSR
- Orr, J., Lopez, J., Mittal, (2016). Disrupted prefrontal dynamics underlying rapid instructed task learning in adolescents at ultra high risk for psychosis, HBM, Geneva.
- Bernard, J, Orr, J, *Dean, D, Mittal (2016). Abnormal Cerebellar Activation in Psychosis Risk during Learning. Human Brain Mapping, Geneva
- *Pelletier-Baldelli, A., Mittal, V (2016) Resting-state Functional Connectivity of the Temporoparietal Junction and psychosis risk, Human Brain Mapping, Geneva

- Orr J., & Mittal, V.A. Disrupted Prefrontal Dynamics Underlying Task Learning in the Psychosis Prodrome (2016), *Human Brain Mapping*, Geneva
- *Clark, S., Mittal, V.A., Turner, J.A. (2016) *Biological Psychiatry*, Atlanta
- *Bernard, J.A., Orr, J.M., & Mittal, V.A. (2015). Cerebello-thalamo-motor networks and positive symptom course in individuals at ultra-high risk for psychosis: evidence from functional & structural connectivity. Poster to be presented at Society for Research in Psychopathology, New Orleans, LA.
- *Carol, E.E., *Ives, L., Mittal, V.A. (2015). Resting cortisol level, self-concept, and putative familial environment in adolescents at ultra high-risk for psychotic disorders. Poster to be presented at Society for Research and Psychopathology, New Orleans, LA.
- *Dean, D., *Tullos, M., *Orr, J.M., Mittal, V.A. (2015). Decreased Right-Handedness and Cerebral Asymmetry in Youth at Ultrahigh Risk for Psychosis. Poster to be presented at Society for Research in Psychopathology, New Orleans, LA.
- *Gupta, T., Scott, T., Silverstein, S.M., Papatomas, T.V., Mittal, V. A. (2015). Perceptual Impairments and Disrupted Neural Connectivity in Youth at Ultra High Risk for Psychosis: Evidence from a Hollow Mask Illusion Task. Poster to be presented at Society for Research in Psychopathology, New Orleans, LA.
- *Newberry, R.E., *Orr, J.M., *Bernard, J.A., Mittal, V.A. (2015). Disrupted Verbal Selection is Associated with Negative Symptoms in Adolescents at Ultra-High Risk for Psychosis. Poster to be presented at Society for Research in Psychopathology, New Orleans, LA.
- *Pelletier-Baldelli, A., *Bernard, J.A., Mittal, V.A. (2015). Affective and expressive negative symptoms: A longitudinal functional resting state connectivity study in youth at ultra high-risk for psychosis. Poster to be presented at Society for Research in Psychopathology, New Orleans, LA.
- *Russak, O., *Ives, L., *Dean, D. A., Mittal, V.A. (2015). Dermatoglyphic Asymmetries and Symptoms in Adolescents at Ultrahigh-risk for Psychotic Disorders. Poster to be presented at Society for Research in Psychopathology, New Orleans, LA.
- Mittal, V.A., *Millman, *Bernard, *Dean (2015) Verbal and nonverbal communication deficits in schizophrenia, Gesture-speech mismatch and lexical retrieval gestures in the psychosis prodrome. European Conference on Schizophrenia Research
- *Dean, D.J., Mittal, V.A. Hippocampal Shape Abnormalities in Neuroleptic-Free Youth at Ultrahigh Risk for Psychosis HBM, Oahu, (winner of student travel award)
- Mittal V.A., & *Dean, D. (2015). Novel Technologies to Investigate Motor Behavior in the Psychosis Spectrum. Poster Symposium. International Congress of Schizophrenia Research, Colorado Springs

- *Bernard, J. Mittal VA (2015). Cerebello-cortical resting state connectivity and symptom course in individuals at ultra high-risk for psychosis. HBM, Oahu HA
- * Mittal, V.A. (2015) Exercise-based remediation for youth at ultra high-risk for psychosis. International Congress of Schizophrenia Research
- *Bernard, J.A., & Mittal, V.A. (2014). Dysfunctional activation of the cerebellum in schizophrenia: a functional neuroimaging meta-analysis. The Twentieth Annual Meeting of the Organization for Human Brain Mapping, Hamburg, Germany.
- *Bernard, J., Mittal, V.A. (2014). Cerebello-thalamo-cortical Tractography In Individuals At Ultra High-risk For Psychosis. Poster presented in Society for Research in Psychopathology, Evanston, IL.
- *Carol, E., Mittal, V.A. (2014). Self-reported Cannabis Use Is Inconsistent With The Results From Drug-screening In Youth At Ultra High-risk For Psychosis In Colorado. Poster presented in Society for Research in Psychopathology, Evanston, IL.
- *Dean, D.J., *Bernard, J., *Orr, J., *Gupta, T., *Pelletier-Baldelli, A., *Carol, E., Mittal, V.A. (2014). Psychosocial Distress And Increased Cortico-striatal Connectivity In Youth At Risk For Psychosis. Poster presented in Society for Research in Psychopathology, Evanston, IL.
- *Gupta, T., *Ives, L., Silverstien, S.M., Papathomas, T.V., Keane, B.P., Mittal, V.A. (2014). Dysfunctional Top-down Modulation Of Incoming Sensory Information In Youth At Ultra High-risk For Psychosis: Evidence From The Hollow Mask Illusion. Poster presented in Society for Research in Psychopathology, Evanston, IL.
- *Millman, Z.B., *Gupta, T., *Bernard, J., Mittal, V.A. (2014). Gesture-speech Mismatch Reflects Cognitive Instability And Aberrant Neural Connectivity Among Youth At High Risk For Psychosis. Poster presented in Society for Research in Psychopathology, Evanston, IL.
- *Orr, J., Mittal, V.A. (2014). Examining The Neural Correlates Of Disease Insight In Adolescents At Risk For Psychosis. Poster presented in Society for Research in Psychopathology, Evanston, IL.
- *Pelletier-Baldelli, A., *Bernard, J., Mittal, V.A. (2014). Resting State Functional Connectivity Associations With Facial Emotion Recognition, Social Functioning And Psychotic Symptoms In Youth At Ultra High-risk For Psychosis. Poster presented in Society for Research in Psychopathology, Evanston, IL.
- * Pelletier-Baldelli A., Mittal., V.A. (2014) White matter integrity as a predictor of social anhedonia in youth at ultra high-risk for psychosis. Social and Affective Neuroscience Society, Denver,
- Frank, G., Schott, ME., Mittal., V A., (2013) Taste reward circuitry related brain structures

characterize ill and recovered anorexia nervosa and bulimia nervosa, *Biological Psychiatry*, 73(9), 90S-91S. San Francisco

- *Bernard, J.A., Mittal, V (2013) White Matter of the Middle and Superior Cerebellar Peduncles and Symptom Severity in Individuals at Ultra High-Risk of Psychosis. Society for Research in Psychopathology, Oakland, California
- *Dean, D. Mittal, V (2013) Handwriting Analysis reveals Spontaneous Dyskinesias in Youth at Ultra-High Risk for Psychosis, Society for Research in Psychopathology, Oakland, California
- *Pelletier, A., Mittal, V (2013) MVPA analyses highlight novel early identification strategy for the schizophrenia high-risk period, Society for Research in Psychopathology, Oakland, California
- *Orr, J. Mittal, V (2013) Volumetric differences related to positive and negative symptoms in youth at high risk for psychosis. Society for Research in Psychopathology, Oakland, California
- Mittal, V.A. (2013). Elaine Walker's Contribution to Our Understanding of Neurodevelopment and Schizophrenia. Association for Psychological Science, Washington DC
- Mittal, V.A. (2013). Vulnerability characteristics, the motor system, and high-risk youth. Eastern Psychological Association. New York.
- Mittal, V.A. & *Orr, J. (2013), Structural and Connective Tract Correlates of Spontaneous Movement Abnormalities in High Risk Youth, International Congress of Schizophrenia Research, *Schizophrenia Bulletin*, 39(1)S189.
- Mittal, V.A. & *Caligiuri M. (2012), Spontaneous Dyskinesias and Non-Clinical Psychosis: A Continuum of Vulnerability: International Association for Early Psychosis. *Early Intervention in Psychiatry*, 6(1):25
- *Dean, D.J. & Mittal, V.A. (2012, October). Non-Declarative Learning and Cerebellar Morphology in Youth at-risk for psychosis. Society for Research in Psychopathology, Ann Arbor, MI.
- *Lunsford-Avery, J.R. & Mittal, V.A. (2012, October). Sleep disturbance in youth at high risk for psychosis. Society for Research in Psychopathology, Ann Arbor, MI.
- *Pelletier, AL, Mittal, V.A., (2012, October). Neural correlates of autistic traits and emotion perception in youth at high-risk for psychosis. Society for Research in Psychopathology, Ann Arbor, MI.
- *Fleisher, C. Jimenez, A. Daley M., Doz-Abadia, M. Mittal, V. Cannon, T.D. (2012). Hippocampal volume deficits predict declines in social functioning for high-risk youth one year later. American Academy of Child and Adolescent Psychiatry, San Francisco

- *Pelletier, A.L., Dean, D.J. Mittal, V.A. (2012) Minor Physical Anomalies and Early Prenatal Development in Youth Vulnerable for Psychotic Disorders. The Rocky Mountain Neuroscience Conference, Denver.
- *Pelletier, A., Dean, D. Wadjtach, J., Hauge, E., Mittal, V. 2012. MPAs and Vulnerability in Prodrome. Rocky Mountain Regional Neuroscience Group, Denver.
- *Case, C., Mittal, V.A., Walker, (2012). Minor physical Anomalies and prodromal youth. Society for Biological Psychiatry, Philadelphia
- *Pelletier, A., *Dean, D.J., & Mittal, V.A., (2011). Developmental dysfunction, striatal dysfunction, and psychotic-like experiences in adolescents and young adults. Society for Research in Psychopathology, Boston
- Mittal, V.A., Jalbrzikowski, M. Daley, M., Bearden, C.E., Cannon, T. D (2011). Abnormal movements and the longitudinal course of social and role functioning in adolescents at risk for psychosis. *International Congress on Schizophrenia Research; Schizophrenia Bulletin* 37(1), p. 275
- Mittal, V. A. (2010). Basal ganglia pathology and adolescents at-risk for schizophrenia. Society for Research in Psychopathology, Seattle.
- Walker, E. F., Mittal, V. A., Compton, M. (2010). Correlates of prodromal symptom progression in youth at risk for psychosis, *Schizophrenia International Research Society*.
- Daley, M., Mittal, V.A., Cannon, T.D., (2010) Basal ganglia volumes and hyperkinetic movements in the schizophrenia prodrome. *American Academy of Child and Adolescent Psychiatry*.
- Mittal, V. A. (2009). Early psychosis prediction, *Nordic Congress of Psychiatry*.
- Mittal, V. A., Walker, E.F., Laskowski, C. M., Simone, A., & Cannon T. D. (2009). Markers of basal ganglia and conversion: Neurocognitive deficits, dyskinesia, and individuals at high-risk for psychosis. *Society for Research in Psychopathology, Minneapolis*.
- Doud, T. Mittal, V., Daley, M., Bearden, C. E., van Erp, T. G. M., Thompson, P. M., O'Neill, J., Cannon, T.D. (2009). Amygdala volumes in post traumatic stress and psychosis. *Amygdala, Trauma, & Stress Conference*.
- Daley, M. & Mittal, V., van Erp, T. G., O'Neill J., Bearden, C. Loesch, I., Altshuler, L. F. Cannon., T. D. (2009). Medial temporal lobe volumes in early onset schizophrenia and Bipolar Disorder. *American Academy of Child and Adolescent Psychiatry*.
- Mittal, V. A. & Cannon, T. D. (2009). Obstetric complications: a putative marker for cumulative risk among prodromal individuals. *International Congress on Schizophrenia Research*.

- Mittal, V. A. & Cannon, T. D. (2008). Obstetric complications and vulnerability for psychosis. *Society for Research in Psychopathology*.
- Mittal, V. A., Libby, A., & Walker, E. F. (2007). Movement abnormalities predict conversion among adolescents at high-risk for schizophrenia. *Society for Research in Psychopathology*.
- Simeonova, D., Hamann, S. B., Tessner, K. D., Mittal, V.A. & Walker, E.F. (2007). Effects of acute cortisol administration on visual memory encoding: An event-related fMRI investigation. *Society for Research in Psychopathology*.
- Walder, D. J., Mittal, V. A., McMillan, A. Walker, E. F. (2007). Sex Differences in neurocognitive prediction of conversion to Axis I psychosis in a sample of at-risk youth. *Society for Research in Psychopathology*.
- Tessner, K. Dhruv, S, Mittal, V. A. & Walker, (2006). Influence of life events, daily stressors, and cortisol levels on symptoms severity in adolescents with schizotypal personality disorder. *Society for Research in Psychopathology*.
- Simeonova, D. I., Attalla, A., Mittal, V. A., Tessner, K., & Walker, E. F. (2006). The role of verbal memory and sustained attention as potential vulnerability markers for bipolar disorder. *Society for Research in Psychopathology*.
- Mittal, V. A., Dhruv, S. & Walker, E. F. (2006). Movement abnormalities predict the longitudinal development of the schizophrenia prodrome. *Society for Research in Psychopathology*.
- Mittal, V. A. & Walker E. F. (2006). Emergent suicidality in adolescents with depression, OCD, and anxiety. *Georgia Psychological Association*.
- Mittal, V. A., Walker, E. F. & Trotzman, H. (2004). Gesture behavior in unmedicated schizotypal adolescents. *Society for Research in Psychopathology*.
- Bollini, A., Walker, E. F. & Mittal, V. A. (2003). Course of cognitive functioning in schizophrenia and the relation to later brain morphology. *Society for Research in Psychopathology*.

Experience as a Research Mentor

Mittal Laboratory Graduate Students Masters and Dissertation Projects:

2017- Dissertation Advisor, Emily Carol, Longitudinal evaluations of stress systems in youth at risk for developing psychotic disorders

2017- Dissertation Advisor, Andrea Pelletier, Do youth at risk for psychosis like being liked? A fMRI investigation of social reward processing

2016- Dissertation Advisor, Derek Dean, Movement Abnormalities, Frontal-subcortical Structure and Function, and Youth at Risk for Psychosis

2015- Masters Advisor for Emily Carol (Mentor: Vijay Mittal): Cortisol, self-concept and expressed emotion in high-risk youth.

2014- Masters Advisor for Derek Dean (Mentor: Vijay Mittal): Cerebellar and Striatal Contributions to Velocity Scaling Deficits in Youth at Ultra High-Risk for Psychosis: A Resting-State Approach

2012/2013- Dissertation Advisor for Jessica Lunsford (Mentor: Vijay Mittal): Sleep Dysfunction in Adolescents at High-Risk for Psychosis

2012/2013- Masters Advisor for Andrea Pelletier (Mentor: Vijay Mittal): The Neural Basis of Social Processing Impairments in Adolescents at High Clinical Risk for Psychotic Disorders

Current Positions for Mittal Students that have Graduated:

Joseph Orr (Postdoctoral Scholar in my lab 2012-2015): Assistant Professor, Texas A & M, Department of Psychology

Jessica Bernard (Postdoctoral Scholar in my lab 2013-2015): Assistant Professor, Texas A & M, Department of Psychology

Jessica Lunsford-Avery (Graduate Student in my lab 2011-13): Assistant Professor, Duke University, Department of Psychiatry

Andrea Pelletier-Baldelli (Graduate Student in my lab 2011-present): Predoctoral Intern Massachusetts General Hospital.

Awards for Graduate and Postdoctoral Students:

Beverly Sears Graduate Student Award, Emily Carol, 2017

Northwestern University NICS Data Science Initiative Award, Emily Cibelli, 2016

Human Brain Mapping Abstract Merit Award: Andrea Pelletier, 2016

Society, Biology, and Health Cluster Fellowship, Northwestern University: Tina Gupta 2016

Peter G. Ossorio Award, CU Boulder: Emily Carol, 2016

ICOSR Young Investigator: Jessica Bernard, 2015

Human Brain Mapping Abstract Merit Award: Derek Dean, 2015

NIMH National Research Service Award: Jessica Bernard, 2013-2015

NIMH National Research Service Award: Andrea Pelletier, 2013-2016

Awards for Mittal Lab Undergraduate Students:

Kimberly Rowghani, Weinberg College Summer Research Grant, 2017

Amy Lieberman, Undergraduate Research and Arts Exposition Poster, 2017

Grishma Reddy, Undergraduate Research Award (URG), Summer 2017/2018

Amy Lieberman, Undergraduate Research Award (URG), 2017/2018

Isha Bhutada, Undergraduate Research Assistant Program (URAP), 2016/2017

Victoria Steigerwald, Undergraduate Research Assistant Program (URAP), 2016/2017

Grishma Reddy, Undergraduate Research Assistant Program (URAP), Summer 2016

Jacqueline Maloney, Undergraduate Research Award (URG), Summer 2016; *Fletcher Prize Finalist*

Courtney Russell, 2015, Undergraduate Research Opportunity Program (UROP)

Rae Newberry, 2014, Undergraduate Research Opportunity Program (UROP)

Olivia Russak, 2014, Undergraduate Research Opportunity Program (UROP)

Elise Hague, 2012, Independent Study Award

Kim Kramer, 2011, Undergraduate Research Opportunity Program (UROP)

Professional Service

Editorial Service

2014-Present *Journal of Abnormal Psychology*, Consulting Editor

Professional Societies

2016-Present Affiliation Committee Chair, Society for International Research in Schizophrenia (SIRS)

2016-Present Publication Committee, Society for International Research in Schizophrenia (SIRS)

2014-Present Diversity Committee, Society for Research in Psychopathology (SRP)

2011-Present Newsletter Coordinator, Society for Research in Psychopathology (SRP)

2015 International Congress of Schizophrenia Research (ICOSR) Young Investigator mentor

2014 Smadar Levin Award Committee, Society for Research in Psychopathology (SRP)

2012-2013 Conference Program Committee, Society for Research in Psychopathology (SRP)

National Organizations

2014-Present National Alliance for the Mentally Ill (NAMI) on Campus Faculty Advisor for CU Boulder

Northwestern University

2017 Searle Teaching Mentor, Tawny Spinelli

2017-Present Center for Training in Developmental Science, DevSci Co-Director (with Molly Losh, Ph.D. and Craig Garfield M.D.)

2016-Present DevSci, Steering Committee

2016-Present Undergraduate Psychological Association (UPA) Faculty Advisor

2015-Present Diversity Committee, Department of Psychology
 -Sneak Peek
 - Provost grants for Faculty Innovation in Diversity and Equity

Northwestern Invited Graduate Student and Postdoctoral Student Training Lectures:

2017 Upcoming: Society Biology & Health Cluster, interdisciplinary research and job search advice

2016 Graduate Student (PGSC): Career Development Lecture

2016 Postdoctoral Student Consortium: Early Career Advice Lecture

University of Colorado Boulder Service

2014 Search Committee, Clinical Administrative Staff

2014 Search Committee, Cognitive Neuroscience Faculty

2013-2014	Strategic Planning Committee
2013-2014	Space Committee
2012-2014	Undergraduate Honors Program Committee
2012	Search Committee, Clinical Faculty
2012	Graduate education workgroup.
2012	Undergraduate education workgroup -Subgroup for Research Methods and Statistics
2011	Faculty Meeting Secretary

Student Research Committees

Undergraduate Honor's Projects

Northwestern University

2017- Jacqueline Maloney (Mentor Mittal), Inhibitory control and problematic Internet usage

2017- Amy Lieberman (Mentor Mittal), Auditory feedback process deficits in psychosis spectrum

University of Colorado Boulder

2015- Olivia Russak (Mentor: Mittal): Dermatoglyphic asymmetries, symptoms, and cognitive function in adolescents at ultra high risk for psychosis

2013- Amanda Walker (Mentor: Mark Whisman): Asian Americans and Latino Americans: Interracial Couple Functioning in a National Sample

2013- Joseph Malicke (Mentor: Bernadette Park): Gender Ideology and Evaluations of a Male versus Female Target: Effects of Emphasizing versus Downplaying Gender Differences

2013- Ariel Jensen (Mentor: Yuko Munakata): Relationship between BDNF genotype, hippocampus volume, and anxiety

2013- Roxanne L. Ross (Mentor: McGraw): Don't worry, it's not real: How humor and violation severity varies with hypothetical psychological distance.

2013- Jeff Kamp (Mentor: Louise Silvern): Perceived Social Support and Individual Differences in Childhood Traumatic Grief

2013- Emmie Matsuno (Mentor: Van Boven): Attitude Extremity and Party Identification Strength on Perceived Polarization

2013- Ross Kaslow (Mentor Angela Bryan): Cognition and Stress between Groups of Drinkers and amounts of Exercise

2012- Tess Adams (Mentor: Matthew Keller): Judging a Book By Its Cover: Are First Impressions Accurate?

Masters Defense

2016- Natasha Hansen (Hutchinson), Neural correlates of risky sex and response inhibition in adolescents

2015- Katherine Damme (Nusslock) Nucleus Accumbens Connectivity Relates to Trait Risk for Hypomania: A Structural and Functional Analyses of Hypomanic Risk Factors
2014- Briana Robustelli (Whisman) Marital, Family, and Friend Relationship Quality: Associations with Mental and Physical Health Outcomes
2014- Daniel Leopold (Willcutt) Evaluating the construct validity of adult ADHD and SCT among college students
2013- Hollis Karoly (mentor: Hutchinson) Preliminary functional MRI results from a combined stop-signal/alcohol-cue task
2013- Rachel Thayer (mentor: Hutchinson) Alcohol and marijuana use interact with associations between structural and functional connectivity among high-risk adolescents

Comprehensive Exams

2017- James Glazer (Mentor Nusslock), Chair: Mittal
2016- Katherine Damme (Mentor: Nusslock)
2015- Coral Cabrera-Montalvo (Mentor: J. Stitzel) Evaluating schizophrenia related behaviors in mice with the CHRNA5 D398N human polymorphism
2014- Christopher Hawkey (Mentor: Miklowitz)
2014- Daniel Johnson (Mentors: Soo Rhee, Mark Whisman)
2014- Mikaela Kinnear (Mentor: Erick Willcutt)
2014- Ashley Smith (Mentor: Soo Rhee)
2013- Ryan Newsom (Mentor: Serge Campeau)
2013- Sarah Wu (Mentor: Erick Willcutt)
2012- Jenifer Felder (Mentor: Sona Dimidjian)
2012- Chad Osterlund (Mentor: Robert Spencer)

Dissertation Projects

2017 Chris Hawkey (Mentor: Miklowitz): Risk factors for suicide in pediatric bipolar disorder.
2016- Kevin Hsu (Bailey)
2016 Mia Nunez (Mentor: Zinbarg); Chairs: Zinbarg, Mittal
2016- Tatiana Karpouzian (Mentor: Reilley) Eye-Tracking
2016- Avante Smack (Mentor: Jennifer Tackett)
2016- Christina Young (Mentor: Nusslock)
2015- Sarah Wu (Mentor: Erick Willcutt): Measurement and Classification Issues in Mathematics and Reading Disorders
2015 Ryan Newsom (Mentor Campeau): Endogenous cannabinoid regulation of the HPA axis and of neuroendocrine reactivity to acute and repeated stress
2014- Daniel Johnson (Mentors: Soo Rhee, Mark Whisman): Rumination as a transdiagnostic risk factor for psychopathology
2014- Mikaela Kinnear (Mentor: Erick Willcutt): Social functioning in DSM-IV Attention-Deficit/Hyperactivity Disorder: A multi-dimensional examination of adolescents and young adults
2014- Ashley Smith (Mentor: Soo Rhee) Longitudinal examination of genetic and environmental influences on the association between temperament and self-restrain in toddlerhood and executive function abilities in late adolescence
2013: Chad Osterlund (Mentor: Bob Spencer) Negative feedback control over the hypothalamic-pituitary-adrenal axis response to stress is a function of temporal, spatial and physiological actions of corticosterone.

2012- Jenifer Felder (Mentor: Sona Dimidjian): Targeting Barriers to Care for Pregnant Women at Risk for Depression: Examining The Role of Stigma and the Feasibility of a Web-Based Depression Prevention Program

Leaves of Absence

N.A.

Consultancies

Takeda Pharmaceuticals (2016-2017), Meeting with drug development team to discuss research-surrounding assessment of treatment outcome measures.

Community Work

N.A.

Teaching Experience

Curriculum Development

2015-2017 *Northwestern: Advanced Graduate Psychopathology 421/Adult Psychopathology 497; Research Methods in Schizophrenia 357/497; Psychopathology 303*: Please see section below for course detail.

2010-2015 *University of Colorado Boulder: Adult Psychopathology 5433; Abnormal Psychology 4303; Psychopathology 3313*: Please see section below for course details.

Courses

2017 *Northwestern University, Department of Psychology, Advanced Graduate Psychopathology 421 (graduate)*. A graduate course designed to provide in-depth coverage into the pathogenesis, treatment and clinical presentation of serious mental illness. This course is a joint graduate class, including students from both the Feinberg and Weinberg clinical graduate programs.

2016 *Northwestern University, Department of Psychology, Research Methods in Schizophrenia 357/497 (undergraduate/graduate)*. The class provides a dynamic experiential learning environment. Students rotate between learning about methods such as neuroimaging, psychophysiology, eye-tracking, and tDCS, visiting labs on campus that are currently employing these methods (including observation and active learning experiences), understanding how these methods improve understanding of schizophrenia, and working in teams to design multi-modal research projects. The class culminates in a research proposal and presentation.

2016 *Northwestern University, Department of Psychology, Adult Psychopathology 497 (graduate)*. A graduate course designed to provide in-depth coverage into the pathogenesis and clinical presentation of mental illness. Students work closely with me to complete a “letter to the editor” writing assignment in

which they address current issues relating to a respective research domain and learn about journal writing and peer review.

- 2016 *Northwestern University, Department of Psychology, Psychopathology 303* (undergraduate) A large undergraduate course (100 students) designed to cover a variety of the major psychiatric disorders, causes, and empirically supported treatments.
- 2013-2014 *University of Colorado Boulder, Department of Psychology and Neuroscience, Abnormal Psychology 4303.* A large undergraduate course (150 students) designed to cover a variety of the major psychiatric disorders, causes, and empirically supported treatments.
- 2011-2015 *University of Colorado Boulder, Department of Psychology and Neuroscience, Adult Psychopathology 5433.* A graduate course designed to provide in-depth coverage into the pathogenesis and clinical presentation of mental illness.
- 2010-2011 *University of Colorado Boulder, Department of Psychology and Neuroscience, Psychopathology 3313.* A large undergraduate course designed to cover a variety of psychiatric disorders/treatments in greater-depth than a prototypical Abnormal Psychology seminar. The course also includes weekly lab section and focuses on in-class exercise and discussion.
- 2009 *University of California Los Angeles, Department of Psychology, Advanced Research Seminar, PSYC 199 II & I:* (Instructor Cannon, Supervisor Mittal). In this series, advanced undergraduate students work closely with a teacher to design and develop individual research projects. The students are mentored throughout the process of conducting literature reviews, designing studies, analyzing data, and presenting research.
- 2008 *University of California Los Angeles, Department of Psychology, Undergraduate Research Seminar, PSYC 196:* (Instructor Cannon, Supervisor Mittal). A course designed to provide a small group of undergraduate students with intensive hands on research training and specialization within specific topics in clinical neuroscience. Students develop advanced skills (e.g., Magnetic Resonance Imaging ((MRI): delineating structures; coding movements and nonverbal behavior).
- 2005 *Emory, Co-instructor – Research Methods:* Teaching a weekly lab in which students completed three major research projects and wrote a formal research paper for each project. I taught scientific writing in APA style and applications of research methodology techniques.
- 2004 *Emory University, Teaching Assistant – Statistics* –Designing tests, lectures, and running a weekly lab that involved teaching students to use a statistical package to complete assignments.

Select Guest Lectures

Northwestern

- 2017 *Northwestern University*, Motor pathology and schizophrenia: A brain biology perspective, Neuroscience 206, Host: Segraves
- 2016/17 *Northwestern University*, Psychology Proseminar, Lectures on Schizophrenia and motor pathology
- 2017 *Northwestern University*, Department of Communications, Development, Guest Lecture, Molly Losh
- 2016 *Northwestern University*, Undergraduate Cognitive Science Guest Lecture, David Rapp
- 2016 *Northwestern Active Minds*, Stigma and Schizophrenia Spectrum Disorders
- 2016 *Northwestern University*, Graduate Pro-seminar, Psychosis

University of Colorado Boulder

- 2014 *University of Colorado Boulder, Department of Psychology and Neuroscience*, lecture for Linda Watkins, Neuroscience Grand Round Series
- 2015 *University of Colorado Boulder, Department of Psychology and Neuroscience*, lecture for June Gruber, Human Emotion
- 2014 *University of Colorado Boulder, Department of Psychology and Neuroscience*, lecture for Tor Wager, Affective Neuroscience Guest Lecture (NRSC4015)
- 2013 *University of Colorado Boulder, Department of Psychology and Neuroscience*, Guest lecture for Kent Hutchinson, Abnormal Psychology (Spring Semester). Schizophrenia
- 2013 *University of Colorado Boulder, Department of Psychology and Neuroscience*, Guest lecture for Joanna Arch, Psychopathology (Spring Semester). Schizophrenia
- 2012 *University of Colorado Boulder, Department of Psychology and Neuroscience, Adult Psychotherapy 7673* (Fall Semester): Guest lecture for graduate class on pharmacological and psychosocial treatment for schizophrenia spectrum illness.
- 2012 *University of Colorado Boulder, Department of Psychology and Neuroscience, Developmental Psychopathology* (Guest Lecture for Erik Willcutt, Ph.D.). Prenatal, child, and adolescent neurodevelopment.
- 2011 *University of Colorado Boulder, Department of Psychology and Neuroscience, Introduction to Neuroscience*: (Spring Semester) Two guest lectures for undergraduate class on etiological factors of psychosis for Dr. Ryan Bachtell.
- 2010 *University of Colorado Boulder, Department of Psychology and Neuroscience, Adult Psychotherapy 7673* (Fall Semester): Guest lecture for graduate class on pharmacological and psychosocial treatment for schizophrenia spectrum illness.

Related Training Experiences

- 2006 – 2007 *National Science Foundation (NSF) Fellowship*: Problems and Research to Integrate Science and Mathematics (PRISM): An NSF funded program developed to apply active learning strategies in teaching science. The fellowship included bi-weekly lectures implementing science projects in a 7th

grade science class in the metropolitan Atlanta area.

- 2006 *National Science Foundation (NSF)- Problems and Research to Integrate Science and Mathematics (PRISM):* An intensive summer course designed to help teachers develop active and problem based learning skills. The course was designed to teach PRISM participating faculty to develop courses, as well as learn the necessary skills to implement problem-based learning.
- 2003-2004 *Emory University Teaching Practicum.* Weekly seminar with a faculty supervisor and other graduate teaching assistants surveying teaching strategies, active learning techniques, as well as addressed issues raised while teaching.
- 2003-2004 *Emory University Teaching Assistant Training and Teaching Opportunity Program (TATTO):* A training series to develop teaching skills through classroom instruction and supervised experience. Includes a three-day course on teaching, a semester-long Teaching Practicum course, supervised teaching experience, and guest lecturing for a large lecture class.

Clinical Experience

- 2014-Present **Licensed Clinical Psychologist, Colorado**
- 2010-Present **Clinical Supervisor**
- Graduate student supervision in comprehensive report writing, diagnostic interviews, and neuropsychological functioning assessment in adolescents with serious mental illness. I supervise between 3-5 students each semester.
- 2008-2010 **Postdoctoral Clinical Training**
David Geffen School of Medicine, Department of Psychiatry and Biobehavioral Sciences, Semel Institute for Neuroscience & Human Behavior and the Resnick Neuropsychiatric Hospital:
University of California Los Angeles
Supervisors: Carrie Bearden, Ph.D. Melita Daley, M.D., Tyrone Cannon, Ph.D.
Description: Advanced Clinical Diagnosis and Treatment of Serious Mental Disorders.
- 2007 - 2008 **Clinical Psychology Internship**
David Geffen School of Medicine, Department of Psychiatry and Biobehavioral Sciences, Semel Institute for Neuroscience & Human Behavior and the Resnick Neuropsychiatric Hospital:
University of California Los Angeles
Supervisors: Tyrone Cannon, Ph.D., Carrie Bearden, Ph.D., Mary O'Brien, Ph.D., Sandra de Silva, Ph.D. Cindy Pikus, Ph.D., David Rudnick, M.D.
Description: Predoctoral Clinical Psychology Internship: Adolescent Serious Mental Illness Track; Adult Eating Disorder Group therapy
- 2008 **Supervision**

Supervision and mentorship of Masters, Psy.D. and Ph.D. level externs and interns at UCLA, NPI in a case management and clinical diagnostic assessment, focusing on adolescent and serious mental health issues.

- 2006 - 2007 **Treatment Team Practicum**
Inpatient Unit, Department of Veterans Affairs Hospital, Atlanta
Supervisor: Ericka Duncan, M.D.
Description: Working with a multidisciplinary treatment team composed of a psychiatrist, pharmacologist, drug rehabilitation counselor, and a social worker. The team is charged with interviewing patients and then working to devise, coordinate, and implement clinical treatment and long-term care. The population consisted of individuals with severe psychopathology, (predominately schizophrenia, schizoaffective, PTSD and bipolar and major depressive disorders).
- 2002 - 2007 **Intern-Therapist Practicum**
Emory University Psychological Center, Emory University
Supervisors: Cynthia Messina Ph.D., Elaine Walker Ph.D., David Freides, Ph.D., Ann Abramowitz, Ph.D., Regina Pyke, Ph.D.
Description: Conducting cognitive behavioral therapy (CBT), interpersonal therapy, and emotionally focused therapy in a community outpatient clinic.
- 2002 – 2007 **Psychological and Neuropsychological Testing Practicum**
Emory University Psychological Center, Emory University
Supervisor(s): Cynthia Messina Ph.D., Elaine Walker Ph.D., David Freides, Ph.D., Ph.D., Anne Abramowitz, Ph.D.
Description: Conducting, interpreting, and writing comprehensive assessments for child, adolescent and adult psychological and neuropsychological testing.
- 2002 - 2007 **Adolescent Development and Psychopathology Practicum**
Affiliated with Emory University
Supervisor: Elaine Walker, Ph.D.
Description: Conducted clinical diagnostic interviews, personality assessment, and neuropsychological testing with adolescents at-risk for psychopathology and their families.
- 2005 - 2007 **Adolescent and Adult Suicide Awareness Practicum**
Supervisor(s): Mark McCloud Ph.D., Cynthia Messina, Ph.D.
Description: Visited undergraduate classes at Emory University and facilitated the discussion of material compiled by the National Society for Suicide Awareness. The discussion was designed to increase awareness of suicide risk factors and inform students of the various pathways to care.

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