

## Vijay Anand Mittal

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Northwestern University  
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**Research Interests:** schizophrenia; risk for psychosis; early identification and intervention; motor function and dysfunction; stress biology; cognitive affective neuroscience; transdiagnostic approaches; individualized medicine; task and assessment construction and development.

### Employment

- 2023 – Present* Chair, Department of Psychology  
Northwestern University
- 2026– Present* Director, Institute for Adolescent Mental Health and Well Being  
Northwestern University
- 2021 – Present* David S. Holmes Professor of Brain Science  
Department of Psychology  
Department of Psychiatry (secondary)  
Department of Medical Social Sciences (secondary)  
Department of Linguistics (secondary)  
Northwestern University
- 2017–Present* Co-Director  
Institute for Innovations in Developmental Sciences (DevSci), Training Core  
Northwestern University
- 2024 – Present* Faculty Associate  
Center for Psychiatric Neuroscience  
Northwestern University
- 2021 – Present* Faculty Associate  
Cognitive Science  
Northwestern University
- 2016 – Present* Faculty Associate  
Institute for Policy Research (IPR)  
Northwestern University
- 2016 – Present* Preceptor  
Northwestern University Interdepartmental Neuroscience (NUIN)  
Northwestern University
- 2018 – 2021* Associate Professor

- AT&T Research Chair  
Department of Psychology  
Northwestern University
- 2015 – 2018 Assistant Professor  
Department of Psychology  
Northwestern University
- 2015-2019 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 and Qualifications**

- 2014-Present Licensed Clinical Psychologist, Illinois #071.0100636; 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*

### **Pre-doctoral Academic Honors**

Smadar Levin Award, honorable mention, Society for Research in Psychopathology, September 2009  
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

### **Honors and Recognitions**

Northwestern University Canvas Hall of Fame (electronic curriculum development), 2025  
Society for Research in Psychopathology, President Elect, 2025  
Laney Distinguished Alumni Award, Emory University, 2024  
Inaugural ScholarGPS, [Highly Ranked Scholar](#) , 2024  
Big-Ten Academic Alliance (BTAA) Academic Leadership Program, ALP, Fellow, 2023-2024  
Sigma Xi, Scientific Research Honors Society, 2024, Accepted Nomination  
Faculty Honor Roll- Mentorship- Office of Undergraduate Research 2022, Northwestern  
David S. Holmes Professor of Brain Science, Endowed Chair, 2022 - Present  
AT&T Research Chair, 2018-2021  
Association for Psychological Science Fellow (APS) 2017- Present  
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 Award, 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  
National Institute of Health (NIH), Clinical Research Loan Repayment Program (LRP) Award, 2009-2011, 2011-2012

### **Professional Associations**

Sigma Xi, Scientific Research Honors Society, 2024-present  
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

### **Leadership Experience**

- 2010-Present* Director, [Adolescent Development and Preventive Treatment \(ADAPT\) Program](#): I founded and direct a leading psychosis research lab (rated as one of the most [productive and impactful](#) in the field), which includes management of a dozen employees, as well as graduate, postdoctoral and undergraduate research assistant students. The lab has garnered competitive extramural funding, and my role involves managing large budgets, directing strategic planning, management of several complex multisite clinical and human neuroscience-based grants and dissemination of findings.
- 2025-Present* Director, [Institute for Adolescent Mental Health and Well Being](#). I am the inaugural director of a new institute, supported by more than 25 million dollars in philanthropic support, designed to study and implement multidisciplinary approaches (psychology, psychiatry, marketing, digital health, biostatistics, cancer, HIV prevention, human development and social policy) to understand and intervene in challenges faced by adolescents during the transition to young adulthood. The Institute includes 20 faculty fellows as well as a team of dedicated staff, and supports graduate and postdoctoral trainees, all working on collaborative projects to address this need. We are partnered with student services on the Northwestern campus, co-hosting events and workshops and interventions, and guiding practice at the University with empirical supported best-practices for ensuring mental health and well-being of the students. The institute also holds a biyearly summit, where global thought leaders and innovators present work, discuss issues, and develop new initiatives.
- 2023-Present* [Chair, Department of Psychology](#): Northwestern University. The Department, ranked [9<sup>th</sup>](#) in the world, consists of 5 areas (Clinical, Cognitive and Developmental, Social, Brain Behavior and Cognition, and Personality and Health Psychology) and includes 36 tenure track, 7 teaching, and 5 research faculty, a staff of a dozen, as well as 60 graduate students and 20 postdoctoral fellows. In addition to the doctoral program, the Department runs the 3rd largest undergraduate major on campus (from a total of 33 departments) and generates a significant body of research each year. I am involved in every aspect of running and growing the department, engaging with donors (with donations exceeding 25 million over the past 3 years; [example](#)), and implementing a strategic vision.
- 2025-Present* Society for Research in Psychopathology ([SRP](#)), President Elect. SRP is the premier academic society for psychopathology research, and as President Elect, I will be

tasked with working with the current president, and then taking on the President position in the following year. These roles involve administrating and officiating the annual conference (involving 500-700 leading psychopathology researchers) and in addition to fund raising, driving efforts to build on the vision and role and goals of the society for years to come.

- 2015-Present* Multi-site NIMH funded grant Leadership: I have lead or co-lead several multisite studies over the past few years including the 8.1 million dollar (direct cost) CAPR project, a 7-site project (Temple, Yale, MPRC, Emory, UGA, UCI, Northwestern), designed to develop a battery for assessing vulnerability to psychosis based on mechanistically sensitive and computationally derived measures.
- 2016-Present* Co-Director: Training Core, Institute for Innovations in Developmental Sciences ([DevSci](#)): An innovative and dynamic institute that cuts across colleges and the medical school, including numerous faculty dedicated to incorporating developmental science into the pressing questions of the day. I have directed the training core, which involves the development and implementation of a training certificate, implementation of a training grant, as well as managing training and strategic growth of the body of our student members (including medical interns, graduate students, and postdoctoral fellows).
- 2015-Present* Diversity, Equity and Inclusion (DEI) leadership; I have had the privilege to participate in several initiatives aimed at improving DEI at the departmental, University, and both national and international levels. I am an active member of the departmental diversity and inclusion committee and in this context I have worked in a team of dedicated members to secure grants, build a popular Diversity Science Graduate Training Certificate and Diversity Science [Salon](#), establish a permanent departmental diversity science [postdoctoral position](#), and direct a “[Sneak Peek](#)” event (i.e., annual 2-day event hosting potentially applicants that designed to encourage and facilitate more applications to graduate school from diverse candidates). I have also served in the Brain, Mind, and Behavior Scientific Neighborhood group of the NIH FIRST Grant funded, [Northwestern University Recruitment to Transform Under-Representation and achieve Equity](#) (NURTURE) program, helping to recruit and review applicants and to plan for departmental placement. In addition I have directed the Diversity Committee for the Society for Research in Psychopathology (SRP; a premier International psychopathology society), and during my term, made significant inroads to increase the [depth and scope](#) of our work in this area. Finally, in addition to this work, I have published several impactful empirical and op-ed and editorial pieces highlighting consideration or diversity and individual differences in psychopathology and placing a critical light on how consideration for diversity is being employed in emerging fields such as big data, artificial intelligence, and [machine learning](#).
- 2023-2024* Fellow, [Big 10 Academic Alliance](#) (BTAA), Academic Leadership Program: An intensive year-long training program is seen as an immersive and multifaceted experience covering academic leadership skills.

- 2010-Present*      Mentorship: I have mentored a number of talented scholars and to date 12 have secured positions in tenure track positions in top psychology and psychiatry programs (e.g., Harvard, University of Oregon, Michigan State, UNC Chapel Hill, Duke). I have supervised a several graduate, postdoctoral and junior faculty research projects and several mentees have won prestigious grants and early career awards (e.g., BBRF, SIRS Early Career, SRP rising Star). I also have served as a proctor, or held other leadership roles (e.g., steering and advisory committees) on several T32 grants, and also put together training programs focused on promoting mentorship opportunities for marginalized scholars (e.g., DevSci, SRP).
- 2010-Present*      National Academic Leadership: I have played roles in the executive committees and advisory panels for leading academic societies and institutes (e.g., NIH RDoC, Developmental Psychopathology and Terminology Consensus Advisory Panels as well as Standing Review Panels, SAMHSA Illinois CHR and SAMHSA National Training and Technical Assistance Center for Early Mental Illness Consensus Panels) as well as innovative and federally funded training programs. Details of this work are highlighted in the following sections.

### **Appointed Editorial Positions**

#### **Associate Editor:**

- 2019-Present*      *Journal of Psychopathology and Clinical Science* (formally *Journal of Abnormal Psychology*)  
                                  Editorial Fellow Mentor (2022-Present): Sonia Bansal, Jessica Hua
- 2023-Present*      *Schizophrenia Bulletin* (managing editor 20-23)

#### **Consulting Editor:**

- 2020-Present*      *Psychological Review*  
*2014-2019*        *Journal of Abnormal Psychology*  
*2017-2019*        *Schizophrenia Bulletin*

#### **Guest Editor:**

*Journal of Psychopathology and Clinical Science* (2024): Managing Clinical Heterogeneity in Psychopathology: Perspectives from Brain Research  
*Schizophrenia Bulletin*, Themed Issue (2022): Motor symptoms are important for identifying, treating, and understanding serious mental illness.  
*Schizophrenia Research*, Special Section (2020): Embracing heterogeneity creates new opportunities for understanding and treating those at clinical high-risk for psychosis (co-editor Jean Addington)  
*Schizophrenia Bulletin*, Special Issue (2019): Motor Development Collection  
*Schizophrenia Research*, Special Issue (2018): The biological stress system in schizophrenia (co-editor Elaine Walker)  
*Journal of Ethics in Mental Health*, Special Issue (2018): 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*  
*Biological Psychiatry: CNI*  
*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:

2024-2025	NIMH, Adult Lifespan Psychopathology Study Section (ALP), Standing Panel Member
2021-2024	NIMH Adult Psychopathology and Disorders of Aging (APDA), Standing Panel
2020	NIMH APDA, <b>ZRG1 BBBP-S 60 C</b>
2019	NIMH Special Emphasis Panel- Neural basis of psychopathology, addiction and sleep disorders study section, <b>ZRG1 BDCN J 02</b>
2018	NIMH Special Emphasis Panel- Neural basis of psychopathology, addiction and sleep disorders study section, <b>ZRG1 BDCN J 02</b>
2018	NIMH Special Emphasis Panel- Career Development and Fellowships in Mental Health Services Panel, <b>ZMH1 ERB-I</b>
2017	NIMH Biobehavioral Research Awards for Innovative New Scientists - <b>BRAINS</b> award review panel
2016	NIMH Special Emphasis Panel, Memory, Cognition, and Attention, <b>ZRG1 BBBP-Z</b>
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*

2025 SAMHSA National Training and Technical Assistance Center for Early Serious Mental Illness (ESMI TTA Center) CHRP-P Consensus Panel  
-Participant

2020 NIMH Clinical High-Risk International Consensus Meeting  
-Participant

2019 NIMH Research Domain Criteria (RDoC) Development and Environment Workgroup  
-Participant

2016-2018 NIMH Research Domain Criteria (RDoC) [Motor Domain Workgroup](#)  
- Subgroup Co-Moderator

**Foundation Review:**

2022 Grawemeyer Award External Panel Member

**Research Experience**

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

2016-Present Co-Director (with Christine Hooker)  
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.

2000 - 2002 Aftercare Program, First-Onset Schizophrenia Longitudinal Study  
University of California Los Angeles  
Neuropsychiatric Institute (NPI)  
Advisors: Kenneth Subotnik, Ph.D., Keith Nuechterlein, Ph.D.

### **Research Funding, Intramural/Extramural Support**

#### ***A. Active***

NIMH-R01MH136185

Title: Social Cognition Battery for Psychosis-Risk (SCB-PR): A Psychometric and Validation Study

PIs: Pinkham, Mittal

Co-Is/Consultants- Williams, Penn, Harvey

Project/Start and End Date: 12/5/24-10/31/29

Total Direct Costs: \$2.5 million

Major Goals: Develop a comprehensive battery of social cognitive tasks for youth at risk for psychosis

National Institute of Mental Health (NIMH) R01 120088

CAPER: Computerized Assessment for Psychosis Risk 1R01MH120088-01A1

Principal Investigators: Vijay Mittal, Jim Gold

Total Direct Costs: \$8,125,402

Project: 4/01/2020-3/30/2025

Site PIs: Jim Gold, Vijay Mittal, Lauren Ellman, Gregory Strauss, Phil Corlett/Scott Woods

Co-Is: Elaine Walker, Steve Silverstein, Albert Powers, Rick Zinbarg, Shou Chen

Goal: To examine the value of including markers sensitive to disease course and amenable to computational approaches and utilize these to develop a new computerized battery for risk assessment of youth at clinical high-risk for psychosis.

National Institute of Mental Health R01MH134369

Title: Motor features of the voice as indicators of psychomotor agitation and retardation in current and remitted MDD

Dates: 4/2024-3/2029

MPI: Stewart A. Shankman, Vijay A Mittal, Matthew Goldrick

Co-Investigators: Yosi Keshet, Sebastian Walther

Total Direct Costs: \$2.5 million

Goal: Examination of vocal features as a biomarker for motor symptoms and disease progression in affective disorders.

National Institute of Mental Health R21 MH136408

Title: Estrogen and Mechanisms of Psychotic-like Experiences in the Transition to Adolescence

Dates: 8/15/2024-8/14/26

PI: Mittal, Katherine Damme,  
Co-Investigators: Daniel Mroczek, Jennifer Pfeifer  
Total Direct Costs: \$275k  
Goal: Examine estrogen and psychosis-like experiences along with brain development and risk in the ABCD dataset.

National Institute of Mental Health R01MH116039-01A1  
Prodromal Inventory for Negative Symptoms: Development and Validation  
Principal Investigator: Vijay Mittal, Greg Strauss  
Project: 3/01/2019-11/30/2025 (NCE)  
Total Direct Costs: \$2,458,416  
Co-Is: Elaine Walker, Brain Kirkpatrick, Bill Horan, Paul Grant, Rick Zinbarg  
Goal: To develop a highly sensitive inventory for detecting early negative symptomatology in youth at risk for psychotic disorders

National Institute of Mental Health (NIMH) U01 MH124639-01  
Psychosis-risk outcomes network: ProNET  
Principal Investigators: Scott Woods (Yale), Carrie Bearden (UCLA), John Kane  
Site PIs: Vijay Mittal (Northwestern), Fred Sabb (Oregon), William Stone (Harvard, Shanghai), Barbara Cornblatt (Northwell), Diana Perkins (UNC), Kristin Cadenhead (UCSD), , Jean Addington, (Calgary), Daniel Mathalon (UCSF), Monica Calkins/Daniel Wolf (Penn), Cheryl Corcoran, Mt. Sinai, Leslie Horton (Pittsburgh), Jason Schiffman (UMBC), Laruen Ellman, (Temple), Greg Strauss (UGA), Daniel Mamah (Washington University), Jimmy Choi, Godfrey Pearlson (Hartford), , Jai Shah (Montreal), Paolo Fusar-Poli (Kings College, Pavia), Celso Arango (Madrid), Jesus Perez (Cambridge), Nikos Koutsouleris (Munich), Jun Soo Kwon (Seoul).  
Co-Is: Stewart Shankman  
Proposed Project Period: 9/1/20-8/2025  
Total Direct Costs: \$55 million (Northwestern Site Directs: 1.24 million)  
Goal: Develop a treatment development network capable of examining treatment related biomarkers as well as mapping in-depth clinical outcome measures.

National Institute of Mental Health R01MH118741  
An examination of psychomotor disturbance in current and remitted MDD: An RDoC Study  
PIs: Stewart Shankman, Vijay Mittal, Sebastian Walther  
Total Direct Costs: \$2,500,000  
Project Period: 4/1/2019-3/31/2025 (NCE)  
Co-Is: Jessica Bernard, Alex Loew  
Consultant: Vinod Menon  
Goal: Study motor symptoms in depression from RDoC Framework and develop a mobile platform for utilizing these markers as an early identification/treatment decision informatics system.

National Institute of Mental Health R01  
Title: Social Processing Deficits in Remitted Adolescent Depression Dates: 12/9-12/25 (NCE)  
MPI: Corresponding PI: Randy P. Auerbach; PI: Stewart A. Shankman  
Co-Investigators: Vijay Mittal; Jürgen Kayser; Laura Mufson; Linda Valeri; Nicholas Allen  
Total Direct Costs: \$2.5 million  
Goal: examine several modalities of social processing, including a novel eye-tracking gestures social perception task

*B. Executive and Service Committees for Training and Research Programs*

NIMH T32 MH126368

PI: Shankman & Wakschlag

2021-2025

Northwestern University Mental Health, Earlier: Transdiagnostic, Transdisciplinary, Translational Training Program in Neurodevelopmental Mechanisms of Psychopathology

Role: Steering Committee

NIMH NURTURE Grant, 2022-2025

PIs: Melissa Simon, Eric Perrault, Clyde Yancy

Role: Leadership Council, Scientific Neighborhood Faculty, Brain, Mind, and Behavior

Goal: transform culture at NIH-funded extramural institutions by building a self-reinforcing community of scientists committed to diversity and inclusive excellence

Interventions for Changes in Emotions, Perceptions and Thinking (Intercept)- Foundation and Sate Supported Clinical High-Risk Research Clinic

2023-Present

Director: Steve Silverstein

University of Rochester, Department of Psychiatry

Role: Advisory Board Member

*C. Current Mentored Awards*

NIMH National Research Service Award. NRSA 1F32MH139246

The role of mental imagery in perceptual abnormality formation in individuals at clinical high-risk for psychosis

Danielle Pratt 2024-2026

Mentor: Mittal, Corlett

Goal: To examine computational processes related to perceptual abnormalities in CHR individuals.

NIMH National Research Service Award. NRSA 1F31MH139284

EEG coherence as a biomarker for Psychomotor Disturbance and Course of Depression

Vanessa Zarubin 2024-2026

Mentor: Mittal, Shankman

Goal: To examine neural correlates of psychomotor retardation in depression utilizing resting state EEG.

Brain and Behavior Research Foundation, NARSAD Young Investigator Award

Principle Investigator: Danielle Pratt

Project Period: 1/15/2025-1/14/27

Total Direct Costs: \$60,000

Goal: To determine the cognitive contributions to the experience of perceptual aberrations in those at risk for psychosis.

Mentor: Mittal

NIA Transition to Aging Research for Predoctoral Students (F99/K00) Award 1F99AG088569-01

Precision mapping of functional networks in healthy and pathological aging

Diana C. Perez Rivera

2024-2025

Sponsors: Gratton, Mittal

Goal: To examine and characterize individual differences in functional brain networks during healthy aging (pre-doctoral phase) and pathological aging (post-doctoral phase)

NIMH Mentored Patient-Oriented Research Career Development Award. K23MH129607

Clarifying the Role of Psychomotor Retardation in Reward-Based Reinforcement Learning Deficits in MDD: A Computational and fMRI Study

Allison Letkiewicz 2022-2027

Mentor: Mittal, Shankman

Goal: To examine the impact of psychomotor slowing on reward-based reinforcement learning in depression

*D. Completed Research Support*

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

Project Period: 7/2017-7/2024 (NCE)

Total Direct Costs: \$2,500,000.00

CO-Is: Thomas Olino, Warren 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: 3/15/2018-3/14/2023 (NCE)

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 MH115231

High-Risk Psychosis Youth and Caregivers: Emotion in Interaction

Principal Investigators: Claudia Haase, Vijay A Mittal

Project Period: 9/2017-8/30/2022 (NCE)

Total Direct Costs: \$275,000

Goal: Project will examine adolescents at high-risk for psychosis and caretakers in a dyadic interaction task to evaluate if patterns of aberrant emotional arousal and regulation predict course of illness.

National Institute of Mental Health R21, Supplement

High-Risk Psychosis Youth and Caregivers: Emotion in Interaction

PIs: Haase, Mittal

Project Period: 9/2017-8/30/2022 (NCE)

Total Direct Costs: \$30,000

Goal: To evaluate interactive variables from pairs of caretaker/youth in the context of clinical course.

National Institute of Mental Health R21 MH119677  
Language features and High-Risk Psychosis Youth  
Principal Investigators: Matthew Goldrick, Vijay A Mittal  
Project Period: 4/2019-12/31/2023 (NCE)  
Total Direct Costs: \$275,000

Goal: Project will examine vocal features from the perspective that they may represent a sign of motor dysfunction in youth at high risk for psychosis. We will use a computational approach to linguistic feature and pattern analysis and follow high-risk youth over time to track course and develop predictive models.

Substance Abuse and Mental Health Services SAMHSA CHP-R Federal Grant SM-18-012  
Community Programs for Outreach and Intervention with Youth and Young Adults at Clinical High Risk for Psychosis  
Total Direct Costs: \$1,600,000  
PIs: State of Illinois, Thresholds  
Project Period: 12/2018-11/2022  
Consultant: Mittal, Hooker  
Goal: To implement a stepped care model to treatment of prodromal syndromes in the Illinois healthcare system.

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.

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: 07/2014-6/2020 (NCE)  
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 R21 MH110374  
Neural Habituation in Ultra High-Risk Youth  
Principal Investigators: Vijay Mittal  
Project Period: 4/2017-3/30/2021 (NCE Y2)  
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.

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

Total Direct Cost: \$1,820,544

CO-Is: Randal Ross, M.D., Marie Banich 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.

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.

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) Career Development Award: 08/01/07-07/31/12

The Neurobiological Basis of Prodromal States and Psychosis in Adolescence

Principal Investigator: Melita Daley, M.D.

NIMH 5K23MH79028-3

Goal: Longitudinal <sup>1</sup>H MRSI/MRI study of the brain in prodromal psychosis and schizophrenia in adolescents and young adults.

Role: Biostatistician, 2.5 months

National Alliance for Research in Schizophrenia and Affective Disorders (NARSAD). Young Investigator Award 07/01/07 – 06/30/09

The Neurobiological Basis of Early Phases of Schizophrenia and Bipolar Disorder in Adolescence  
Principal Investigator: Melita Daley, M.D.

Goal: Longitudinal structural MRI study of the medial temporal lobe, basal ganglia structures and the prefrontal cortex in adolescents and young adults with schizophrenia and bipolar disorder.

Role: Biostatistician, 3 months.

National Institute of Mental Health (NIMH) National Research Service Award (NRSA)/Training  
Principal Investigator: Keith Nuechterlein, Ph.D.

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

#### *E. Completed Mentored Awards*

NIMH National Research Service Award. NRSA 1F32MH133302-01A1

Paranoia and Bias in Social Belief Updating in Clinical High Risk for Psychosis

Trevor Williams 2023-2025

Mentor: Mittal, Corlett

Goal: To examine computational and social cognitive processes related to paranoia in CHR individuals.

NIMH National Research Service Award. F31MH123121

The Neural Mechanisms of Motor Dysfunction in Clinical High-Risk Youth

Juston Osborne 2020-2022

Mentor: Mittal

Goal: To examine motor psychophysiology (e.g., LRP, CNV) and develop biomarkers in CHR youth.

NIMH National Research Service Award. NRSA 1F31MH121018-01A1

Neurocorrelates of alterations in facial expressivity in youth at clinical high-risk for psychosis

Tina Gupta 2019-2021

Mentor: Mittal, Haase

Goal: To examine underlying neural circuitry in motor and limbic networks of alterations in facial expressivity in psychosis risk.

NIMH National Research Service Award. NRSA 1F31MH119776-01A1

Cumulative environmental risk exposure in youth at clinical high-risk for psychosis

Teresa Vargas 2019-2022

Mentor: Mittal, McDade

Goal: To examine if stress during different developmental periods influences adult brain dysfunction and psychosis risk.

National Academy of Science, Ford Fellowship

Early life stress and adult brain structure and cognition

PI: Teresa Vargas

Project Period 6/2019-5/2022

Mentor: Vijay Mittal

Goal: To examine how early experience shape brain development and influence the way people interact with the world they live in.

Canadian Institutes of Health Research (CIHR), Doctoral Foreign Study Award (DFSAs)

Cortical Midline Structures and Self-Reflection in youth at ultra-high risk for psychosis

PI: Raffles Cowan

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.

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.

Sponsors: Mittal, Alexander

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

Mentoring Collaborator: Vijay Mittal

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. doi: 10.1093/oxfordjournals.schbul.a007038
- 2) Mittal, V. A., Tessner, K., Delawalla Z., McMillan, A., Trottman, H. & Walker, E. F. (2006). Gesture behavior in unmedicated schizotypal adolescents. *Journal of Abnormal Psychology*, 115(2), 351-358. doi: 10.1037/0021-843x.115.2.351
- 3) Mittal, V. A., Dhruv, S., Tessner, K. D., Walder, D. J., & Walker, E. F. (2007). The relations among putative biorisk markers in schizotypal adolescents: minor physical anomalies, movement abnormalities, and salivary cortisol. *Biological Psychiatry*, 61(10), 1179-1186. doi: 10.1016/j.biopsych.2006.08.043
- 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. doi: 10.1016/j.schres.2007.04.009
- 5) Mittal, V. A., Tessner, K. D., Trottman, 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. doi: 10.1037/0021-843x.116.2.260
- 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. doi: 10.1037/0021-843x.116.4.796
- 7) Mittal, V. A., Hasenkamp, W., Sanfilipo, 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. doi: 10.1016/j.schres.2007.04.017
- 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. doi: 10.1016/j.appsy.2007.07.012
- 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. doi: 10.1001/archgenpsychiatry.2007.23
- 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. doi: 10.1016/j.schres.2007.11.037
- 12) Walder, D. J., Mittal, V. A., Trottnan, H. D., McMillan, A. L. & Walker, E. F. (2008). Neurocognition and conversion to psychosis in adolescents at high-risk. *Schizophrenia Research*, 101(1-3), 161-168. doi: 10.1016/j.schres.2007.12.477
- 13) Walker, E. F., Mittal, V. A., & Tessner, K. D. (2008). Stress and the Hypothalamic Pituitary Adrenal Axis in the Developmental Course of Schizophrenia. *Annual Review of Clinical Psychology*, 4(1), 189-216. doi: 10.1146/annurev.clinpsy.4.022007.141248
- 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. doi: 10.1016/j.schres.2007.09.033
- 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. doi: 10.1093/schbul/sbn080
- 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. doi: 10.1111/j.1751-7893.2009.00137.x
- 17) Mittal, V. A., Walker, E. F., Walder, D., Trottnan, 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. doi: 10.1016/j.biopsych.2010.01.021
- 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. doi: 10.1176/appi.ajp.2010.09071043

- 19) Mittal, V.A., & Walker E.F. (2010). Movement Abnormalities and Schizophrenia in DSM V. *Psychological Medicine*, 40(9), 1581-1583. doi: 10.1017/s0033291710001352
- 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. doi: 10.1016/j.schres.2010.08.002
- 21) Mittal, V.A., & Walker, E. F. (2011). Minor physical anomalies and vulnerability in prodromal youth. *Schizophrenia Research*. 129(2-3), 116-121. doi: 10.1016/j.schres.2011.02.022
- 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 at high risk for psychotic disorders. *Schizophrenia Bulletin*, 37(2), 432-441. doi: 10.1093/schbul/sbp087
- 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. doi: 10.1016/j.schres.2011.05.007
- 25) Mittal, V.A. & Walker, V. A. (2011). Dyskinesias, tics, and psychosis in the next Diagnostic and Statistical Manual of Mental Disorders. *Psychiatry Research*, 189, 158-159. doi: 10.1016/j.psychres.2011.06.006
- 26) Mittal, V.A., \*Dean, D., \*Pelletier, A., Caligiuri, M. (2011). Associations between spontaneous movement abnormalities and psychotic-like experiences in the general population. *Schizophrenia Research*, 132, 194-196. doi: 10.1016/j.schres.2011.06.028
- 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. doi: 10.1016/j.schres.2012.01.033
- 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. doi: 10.1111/j.1600-0447.2012.01869.x. PMC3404232
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- 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. doi: 10.1016/j.schres.2012.10.002
- 31) \*Pelletier, A. \*Dean, D. \*Lunsford-Avery, J.L., \*Orr, J., \*Gupta, T., Millman, Z.B., Mittal, V.A. (2013). Emotion recognition and social/role dysfunction in non-clinical psychosis. *Schizophrenia Research*, 143(1), 70-73. doi: 10.1016/j.schres.2012.10.039

- 32) \*Pelletier, A. Mittal, V.A (2013). Negative symptom measurement in individuals at-risk for psychosis. *Psychiatry Research*, 205(1-2), 181-182. doi: 10.1016/j.psychres.2012.08.020
- 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. doi: 10.1016/j.psychres.2012.12.021. PMC3615096
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- 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 Visualized Experiments*, 81. 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. doi: 10.1037/a0034085
- 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. doi: 10.1176/appi.ajp.2013.13060813r

- 44) \*Dean, D.J., \*Bernard, J.A., \*Orr, J., \*Pelletier, A.L., \*Gupta, T., \*Carol, E., Mittal, V.A. (2013). Cerebellar morphology and procedural learning impairment in youth at ultra high-risk of psychosis. *Clinical Psychological Science*, 2(2), 152-164. doi: 10.1177/2167702613500039
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- 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.
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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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- 69) \*Dean, D., \*Orr, J.M, \*Bernard, J., \*Gupta, T., \*Pelletier-Baldelli, A., \*Carol, E., Mittal, V.A. (2016). Hippocampal shape abnormalities predict symptom progression and impaired tolerance to stress in youth at ultrahigh risk for psychosis, *Schizophrenia Bulletin*, 42, 161-169. doi: 10.1093/schbul/sbv086
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Michael Stevens, Yi Nam Suen, Nicole Swann, Xiaochen Tang, Judy Thompson, Ivy Tso, Julian Wenzel, Juan Helen Zhou, Jean Addington, Luis Alameda, Celso Arango, Nicholas J. K. Breitborde, Matthew Broome, Kristin Cadenhead, Monica Calkins, Rolando Castillo-Passi, Eric Chen, Jimmy Choi, Philippe Conus, Cheryl Corcoran, Barbara Cornblatt, Covadonga Díaz-Caneja, Lauren Ellman, Paolo Fusar-Poli, Pablo Gaspar, Carla Gerber, Louise Glenthøj, Leslie Horton, Christy Lai Ming Hui, Joseph Kambeitz, Lana Kambeitz-Illankovic, Matcheri Keshavan, Minah Kim, Sung-Wan Kim, Nikolaos Koutsouleris, Jun Soo Kwon, Kerstin Langbein, Daniel Mamah, Vijay Mittal, Merete Nordentoft, Godfrey Pearlson, Jesus Perez, Diana Perkins, Al Powers, Fred Sabb, Jason Schiffman, Jai Shah, Steven Silverstein, Stefan Smesny, William Stone, Gregory Strauss, Rachel Upthegrove, Swapna Verma, Jijun Wang, Daniel Wolf, Tianhong Zhang, Sylvain Bouix, Ofer Pasternak, Kang Ik Cho, Michael J. Coleman, Dominic Dwyer, Angela Nunez, Zailyn Tamayo, Stephen Wood, René Kahn, John Kane, Patrick McGorry, Carrie Bearden, Barnaby Nelson, Scott W. Woods, Martha Shenton, Gregory Light, and Accelerating Medicines Partnership® Schizophrenia (AMP® SCZ). (in press). The Electroencephalography Protocol for the AMP SCZ Consortium: Reliability and Stability of Measures *Schizophrenia*

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- 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.
  
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- 20) \*Gupta, T., Damme, KSF., Osborne, KJ., Vargas, TG., Ristanovic, I., Frosch, IR., Zarubin, VC., Hitzenko, K., Williams, TF., Cowan, HR., Mittal, VAM. Psychotic disorders and risk-states in adolescence: Etiology, developmental considerations, and treatment. In *comprehensive clinical psychology* 2nd edition, Volume 5: Case conceptualization and treatment: Children and adolescents. Elsevier, 2021.
  
- 21) \*Williams, T. F., Pratt, D. N., Howie, S. H., & Mittal, V. A. (in prep). Treatment of negative symptoms in clinical high-risk populations. In T. L. Lincoln, M. Brown, & D. Kimhy (Eds.), *Negative Symptoms in Psychosis: Psychological and Social Approaches for Clinicians and Researchers*. Oxford: University Press.
  
- 22) \*Carol, E.E., Gupta, T., Pratt, D.N., Ristanovic, I., Williams, T.F., Mittal, V.A., (Submitted). *Communication around mitigating risk and promoting wellness*. In Horton, L., Landa, Y, Shiffman, S., Woods, S. (Eds.) *Talking About Psychosis Risk*. Oxford University Press: NY.
  
- 23) Pratt, DN, Aberizk K, Guest RM, Williams TF, Bilgrami Z, Karp E, Walker, EF. Mittal VA (2019). Schizophrenia and Other Spectrum Disorders. In J.E. Maddox & B.A. Winstead (Eds.) *Psychopathology: Foundations for a contemporary understanding* (6<sup>th</sup> edition) Routledge: New York.

### ***C. Conference Proceeding***

- 1) Hitzenko, K., Cowan, H., Mittal, V., & Goldrick, M. (2021). Automated coherence measures fail to index thought disorder in individuals at risk for psychosis. In N. Goharian, P. Resnik, A. Yates, M. Ireland, K. Niederhoffer, & R. Resnik (Eds.) *Proceedings of the Seventh Workshop on Computational Linguistics and Clinical Psychology (CLPsych): Improving Access*, pp. 129-150.

## **D. Select Examples of Popular Press Coverage and Experience with Science Communication**

- 1) Lab work covered by [Denver Post](#)
- 2) [Psychology Today](#) coverage of cognitive neuroscience and delusions work
- 3) [Northwestern Magazine covers](#) exercise and motor research
- 4) Northwestern [Institute for Policy Research](#) (IPR) coverage of biomarker work
- 5) [Sharpening the Science of Mental Health](#), APS
- 5) Mittal present [TEDx](#) Northwestern Talk on exercise research
- 6) Exercise work covered in [Knowable Magazine](#) (Annual reviews)
- 7) Introducing Northwestern's [Psychology Department](#) strengths in undergraduate research training

## **Presentations**

### ***A. Select Conference and Academic Symposia***

**Grand Rounds:** University of Rochester, Department of Psychiatry

Motor signs and what they can tell us about vulnerability and active disease driving mechanisms in schizophrenia spectrum disorders.

Rochester NY, 2025

**Opening Remarks:** DISCOURSE, SIRS Satellite Meeting  
Chicago, 2025

**Symposium:** Emerging Advances in Transdiagnostic Phenotyping from Large-Scale Studies of Clinical High Risk for Psychosis

SIRS, Chicago 2025 (accepted, upcoming presentation)

Chairs: Vijay Mittal, Raffles Cowan

**Symposium:** Forecasting course: what markers of psychosis tell us about illness trajectories

SIRS, Chicago 2025 (accepted, upcoming presentation)

Chairs: Kotov, Jonas

**Symposium:** A New Framework for Body and Movement as Foundations to Conceptualization, Early Recognition, Diagnosis, and Treatment in Psychosis

SIRS, Chicago 2025 (accepted, upcoming presentation)

Chairs: Moussa-Tooks

**Invited Presentation:** Understanding how treatment development occurs in psychosis  
University of Rochester, Department of Psychiatry, 2024

**Invited Keynote Address:** Enhancing prediction and building novel interventions for youth at high risk for psychosis, 2024

University of California Santa Barbara, Department Psychology

Psychological & Brain Sciences ENGAGE Alumni Distinguished Speaker

**Workshop:** Transdiagnostic Clinical Risk Calculators as a Critical Tool for Advancing Equitable Precision Medicine: Bridging Mental and Physical Health to Accelerate Translation, 2023

Northwestern University

*Contributions of Mechanistic Components to Risk Prediction for Psychosis*

Chairs: Wakshlag, Allen, Mittal

**Symposium:** The promise of interventions targeting the motor system in psychosis  
Cerebellar stimulation and cognitive functioning in early psychosis: the road to developing a novel intervention

SIRS, 2023, Toronto

Chairs: Walther, Moussa-Tooks

**Symposium:** Multimethod approaches towards studying psychomotor disturbance in depression  
Biological Psychiatry, 2023

San Diego

Chairs: Shankman, Mittal

**Colloquium:** Novel Interventions for the Psychosis-Risk Period: Where Do They Come From?  
Department of Psychology, Yale University, 2022

**Invited Talk:** Movement as a transdiagnostic element in serious mental illness

Grawemeyer Award Event

University of Louisville, 2022

**Invited Talk:** Motor signs and risk for psychosis: Advancing neurodevelopmental perspectives in RDoC

Columbia Psychiatry, 2021

**Invited Talk:** Human Development and RDoC

Northwestern University

DevSci, 2021

**Symposium:** Social interaction deficits in psychosis- neural correlates and potential treatments.

Gesture perception and the psychosis risk period

European Scientific Association on Schizophrenia and other Psychoses (ESAS)

Speakers: Benjamin Straube, Tina Gupta, Michelle Friedman-Yakooban,

Chairs: Walther, Mittal

**Symposium:** Translating the biomarkers of schizophrenia to clinical settings: a precision psychiatry approach

Translational applications of biomarker research for clinical high-risk youth

SIRS, Virtual 2021

Speaker: Mittal, Waltz, Lewandowski and Carpenter (Discussant)

Chair: Chan

**Symposium:** Alterations of RDoC's Sensorimotor Domain in Major Depression: Behavior, Circuits and Clinical Correlates

Biological Psychiatry, San Diego 2021

Chairs: Mittal Shankman

**RDoC Workshop:** 10 Years of RDoC

Adolescent Development, the sensorimotor domain and translational clinical psych science

[Link to Talk](#)

APS Workshop, 2021

Speakers: Mittal, Kujawa, McNamarra, Cuthbert, Morris

Host: APS & NIMH

**Grand Rounds:** Psychosis risk and motor symptoms

Ohio State Psychiatry, July 2021

Host: N. Breitborde

**Symposium:** Stress and developmental risk for psychopathology: From epigenetics to brain circuits

Biological Psychiatry, Chicago 2019

Chairs: Mittal, Belger

**Symposium:** Psychomotor dysfunction in major depression: a multi-method symposium on this understudied aspect of major depression.

Biological Psychiatry, Chicago 2019

Speakers: Mittal, Bernard, Walther, Loew

Chairs: Shankman

**Invited:** Multifinality, Biotypes, and Precision Medicine in Psychosis Risk Youth

Association for Psychological Science (APS)

Washington DC, 2019

**Symposium:** Motor dysfunction as a research domain in mental disorders: advances, challenges, and the future

Motor dysfunction and the psychosis prodrome

World Congress of Biological Psychiatry, Vancouver 2019

Chairs: Vijay Mittal, Sebastian Walther

Speakers: Vijay Mittal, Sebastian Walther, Jeff Dasdalakis, Christoph Mulert

**Symposium:** Motor dysfunction as a research domain in mental disorders: advances, challenges, and the future

Motor dysfunction and the psychosis prodrome

World Congress of Biological Psychiatry, Vancouver 2019

Speakers: Vijay Mittal, Dusan, Hirjak, Katharina Kubera, Christian Wolf

**Symposium:** Quantification of Behavior for Mental Health Using Digital Technology

Society for Research in Psychopathology, 2018

Indianapolis, IN

Presenters: Laura Germaine, Laura Tully

Discussant: Vijay Mittal

**Symposium:** Identification of Risk Factors for Psychosis from In-Utero Through Young

Adulthood, Patterns Abnormal Motor Behavior in Clinical High-Risk Individuals Indicate Distinct Etiological Pathways for Psychosis

Society for Research in Psychopathology, 2018

Indianapolis, IN

Co-Presenters: Lauren Ellman, Nicole Karcher, Vijay Mittal

Discussant: Deanna Barch

**Symposium:** Novel developments in psychosis screening and early intervention  
Society for International Research in Schizophrenia, 2019  
Florence, Italy  
Co-Presenters: Cheryl Corcoran, Jim Waltz, Pat McGorry, Vijay Mittal

**Invited Grand Rounds:** Psychosis Risk: Biomarkers and Treatment Development  
University of Illinois Chicago, Psychiatry, May 19, 2018  
Host: Ed Cook

**Invited Talk:** Psychosis Risk and Policy: Basic Science to Public Health  
Institute for Policy Research, Northwestern University, Fall 2017  
Vijay Mittal

**Invited Talk:** Lake Forest College,  
Current Advances in Psychology Colloquium, Winter 2018  
Lecture on psychosis research for neuroscience and psychology undergraduate majors.  
Host: Matt Kelley

**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

**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: Deanna Barch, 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

**Invited Presentation:** Translational Clinical Science in the Psychosis Risk Period  
Department of Psychology, 2014  
Northwestern University

**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 (Chair of Psychiatry)

**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  
29<sup>th</sup> 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 webcast 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 webcast 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.

**Schizophrenia Scholar Consortium.** 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***

**TEDx NU**

[Can Exercise combat emerging mental illness?](#)

Spring 2021

**Writers Theatre**

Nature vs. Nurture Presentation  
Spring 2019

**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  
ADAPT Program  
November 2016

**Thresholds**

Psychosis Risk Syndromes  
March 2017

**Transition Action Network**

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. Career Development Lectures/Workshops** (select examples)

2023	Northwestern Provost Office Sponsored Presentation: Perspectives on making the transition from associate to full professor rank.
2022	SRP, Career Development Panel- Promoting research productivity while balancing work/life considerations.
2017	Northwestern Society Biology & Health Cluster, interdisciplinary research and job search advice
2016	Northwestern Graduate Student (PGSC): Career Development Lecture
2016	Northwestern Postdoctoral Student Consortium: Early Career Advice Lecture

## **D. Other**

### **Staff Research Talk-** The ADAPT lab Research Program

University of Colorado Boulder

January 2013

## **E. Conference Participation**

2025	SIRS, Chicago -DISCOURSE Satellite Meeting (host)
2024	Society for Research in Psychopathology, Montreal
2023	Society for Research in Psychopathology, St. Louis
2023	SIRS, Toronto
2023	Society for Biological Psychiatry, San Diego
2021	SIRS, Virtual
2021	Biological Psychiatry, Virtual
2021	European Congress of Schizophrenia Research, remote
2021	Society for Research in Psychopathology, Remote
2019	World Congress of Biological Psychiatry, Vancouver
2018	Society for Research in Psychopathology, Indianapolis
2018	Society for Biological Psychiatry, Manhattan
2018	Society for International Schizophrenia Research, Florence
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 <sup>th</sup> 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

#### **F. Abstracts from Conference Poster Presentations:**

Huque, Z., Olino, T. Schiffman, J., Anglin, D., Mittal, V., Ellman, L. *Cannabis and Other Substance Use Mediates Experiences of Ethnoracial Discrimination and Subthreshold Delusions*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Boos, A., Healey, L., Petti, E., Giljen, M., Hegwood, C., Villegas, M., Coronado, K., Bridgwater, M., Mittal, V., Ellman, L., Schiffman, J. *Associations between Neighborhood Disadvantage and Mental Health Care Utilization among Individuals at Risk for Psychosis*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Coronado, K., Healey, L., Boos, A., Giljen, M., Villegas, M., Mittal, V., Ellman, L., Schiffman, J. *Mapping Migration: Exploring the Interplay of Generation Status and Social Factors in Attenuated Psychosis*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Giljen, M., Healey, L., Corlett, P., Strauss, G., Waltz, J., Silverstein, S., Woods, S., Walker, E., Powers, A., Gold, J., Mittal, V., Ellman, L., Schiffman, J. *Interpersonal Relationships, Social Functioning, and Negative Symptoms in Sexual Minority Individuals at Clinical-High Risk for Psychosis*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Petti, E., Healey, L., Hegwood, C., Coronado, K., Giljen, M., Villegas, M., Bridgwater, M., Rouhakhtar, P.R., Pitts, S., Ellman, L.M., Mittal, V.A., Schiffman, J. *Examining Psychosis-Risk Screening Accuracy across Sociodemographic Groups*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Munguia, D., Hegwood, C., Healey, L., Ellman, L., Corlett, P., Strauss, G., Waltz, J., Silverstein, S., Woods, S., Walker, E., Powers, A., Gold, J., Mittal, V., Schiffman, J. *Investigating the Association of Exposure to Community Violence and Moderating Effects of Social Support in a Sample of Black Youth at Clinically High Risk for Psychosis*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Jennings, L., Hutcheson, A., Zhang, Z., James, S., Rough, I., Arnold, L., Walker, E., Mittal, V., Strauss, G. *Nihilism Predicts Abnormalities in Emotional Experience during Daily Life among Youth at Clinical High-Risk for Psychosis and Adults with Schizophrenia*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Carter, Z., Zollicoffer, A., Schiffman, K., Ellman, L., Walker, E.F., Gold, J.M., Waltz, J., Woods, S.W., Powers, A.R., Corlett, P.R., Silverstein, S.M., Mittal, V.A., Zinbarg, R.E., Williams, T.F., Strauss, G.P., *Evaluation of Ethnic Identity Dimensions among Minoritized Youth at Clinical*

*High-Risk for Psychosis and Help-Seeking Clinical Controls*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

McDonnell, A., Huque, Z., Ellman, L., Schiffman, J., Mittal, V., *Social Networks and Social Engagement Predicting Psychiatric Symptoms among Adolescents and Young Adults before and during the Onset of the COVID-19 Pandemic*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Maher, R., Walther, S., Mittal, V.A., Shankman, S.A., Letkiewicz, A.M. *A Laboratory-Based Measure of Psychomotor Retardation Reveals that Psychomotor Slowing Scales with Anhedonia*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

\*Parmacek, S., Pratt, D., Grzelak, L., McFarland, M., Maher, R., Walther, S., Mittal, V.A., Shankman, S.A. *Procedural Learning among Currently and Remitted Depressed Individuals*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

\*Ristanovic, I., Mittal, V. *Inflammatory Markers in Individuals at Psychosis Risk after 12 Weeks of Aerobic Exercise*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

\*Pratt, D., Ristanovic, I., Zarubin, V., Allende Serra, L.M., Kuhney, F., Spencer, C., Olson, G., Hoffman, M., Stevens, M., Parmacek, S., Linares, N., Mittal, V.A. *Revisiting the Obvious: A Meta-Analytic Update on the Processing Speed Impairment in Schizophrenia*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

\*Zarubin, V., Mittal, V.A. *The Effect of Trauma Exposure on Non-Clinical psychosis: A Meta-Analysis*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Arora, I., Williams, T., Fattal, J., Strauss, G.P., Woods, S.W., Powers, A.R., Corlett, P.R., Schiffman, J., Waltz, J.A., Gold, J.M., Silverstein, S.M., Ellman, L.M., Walker E.F., Mittal, V.A. *Kamin Blocking and Neuropsychological Processing in CHR-P Youth*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Hoffman, M., Allende Serra, L.M., Williams, T., Gold, J., Waltz, J., Schiffman, J., Ellman, L., Strauss, G., Walker, E., Woods, S., Powers, A.R., Kenney, J., Pappu, M., Corlett, P., Tran, T., Silverstein, S., Zinbarg, R., Mittal, V. *Characterizing Covariant Trajectories of Individuals at Clinical High Risk for psychosis; Factors Predicting Resilience*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Linares, N., Pratt, D., Damme, K., Mittal, V.A. *Cognition as a Predictor of Social Network Size in Individuals at a Clinically High Risk for Psychosis*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

Stevens, M., Fattal, J., Pratt, D., Mittal, V., Haase, C. *Insight into Emotional and Social Dysfunctioning through a Dyadic Interaction: Implications for Psychosis Vulnerability*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.

- \*Fattal, J., Martinez, M., Gupta, T., Stephens, J., Haase, C., Mittal, V. *Disrupted Coherence between Autonomic Activation and Emotional Expression in Individuals at Clinical High Risk for Psychosis*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.
- \*Alliende Serra, L.M., Voigt, R., Mittal, V.A. *Affective Tone for Psychosis and Schizophrenia in Media is Worse than for Comparable Illnesses*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.
- O'Brien, K., Elliott, B., Tkacik, S., Schiffman, J., Mittal, V., Ellman, L., Murty, V. *Examining the Moderating Role of Childhood Trauma in the Association between Hippocampal Functional Connectivity and Anhedonia*. Poster presented at the 2024 Society for Research in Psychopathology meeting, Montreal, Canada.
- \*Pratt, D. N., Ristanovic, I., Zarubin, V., Alliende Serra, L. M., Kuhney, F., Spencer, C., Olson, G., Hoffman, M., Stevens, M., Parmacek, S., Linares, N., Mittal, V. A. *Revisiting the Obvious: A Meta-Analytic Update on the Processing Speed Impairment in Schizophrenia*. Poster presented at the 2024 Schizophrenia International Research Society meeting, Florence, Italy.
- \*Alliende L.M., Strauss, G., Yang, L.H., Mittal, V.A. *Stigma in Clinical High Risk for Psychosis: Its Relation to Positive and Mood Symptomatology*. Poster Presented at the Society for Research in Psychopathology (SRP) Annual Meeting, St Louis, United States. 2023.
- \*Damme, K.S.F., Mittal, V.A. *Physical and Mental Health in Adolescence: Novel Insights from a transdiagnostic examination of FitBit data in the ABCD Study*.
- F.S. Kuhney, Strauss, G.P., & V.A. Mittal. (2023). *Leveraging Digital Phenotyping to Predict Symptoms in Youth at Clinical High-Risk for Psychosis*. Poster presented at the Society for Research in Psychopathology Annual Meeting (St. Louis, MO).
- \*Fattal, J. & Mittal, V.A. *Autonomic Activation during Startle Task in Individuals at Clinical High-Risk for Psychosis*. Poster presented at the 2023 Meeting of the Society for Research in Psychopathology Conference.
- \*Hernandez, J. J., Porter, A., Damme, K., & Mittal, V. A. (2023, September). *Investigating white matter developmental trajectories in youth with psychotic-like experiences: A longitudinal ABCD study* [Poster presentation]. Society for Research in Psychopathology, St. Louis, MO.
- \*Olson, G., Damme, K.S.F., Cowan, H.R., Alliende Serra, L.M., Stevens, M., Mittal, V. "Emotion and Language in Individuals at Clinical High-Risk for Psychosis: A Linguistic Analysis." Poster presented at: Society for Research in Psychopathology Annual Meeting, St. Louis, MO, September 2023.
- \*Pratt, D. N., Luther, L., Kinney, K., Gold, J. M., Walker, E. F., Strauss, G. P., Woods, S. W., Powers, A. R., Corlett, P. R., Schiffman, J., Waltz, J. A., Silverstein, S. M., Ellman, L. M., & Mittal, V. A. (2023). *Comparing a Computerized Digit Symbol Test to a Pen-And-Paper Classic*. Poster presented at the 2023 Society for Research in Psychopathology, St. Louis, MO.
- \*Ristanovic, I., Strauss, G.P., Walker, E.F., Mittal, V.A. (2023). *Emotional Stress Reactivity and Positive Psychosis Symptoms in Individuals at Clinical High-Risk for psychosis: An Ecological Momentary Assessment Study*. *Poster presented at Society of Research for Psychopathology, St. Louis*
- \*Williams, T. F., Pinkham, A. E., & Mittal, V. A. (2023, September). *Understanding a Continuum of Psychopathology Using a Hierarchical Model of Social Cognition*. Poster presented at the annual meeting of the Society for Research on Psychopathology, St. Louis, MO.



- \*Zarubin, V. C., Zhao, G., Wakschlag, L., Haase, C., & Mittal, V. (September 2023). Facial affect in early childhood as related to later psychotic-like experiences. *Society for Research in Psychopathology, St. Louis, MO.*
- \*Ho G, Pratt D, Bridgwater M, Olson G, Schiffman J, Ellman L, Mittal V. *Factors Impacting Intention to Seek Treatment within Youth at Clinical High Risk for Psychosis.* Poster presented at: 2022 Society for Research in Psychopathology Annual Meeting; September 2022; Philadelphia, PA
- \*Karp E.L., Williams T.F., Ellman L.M., Strauss G.P., Walker E.F., Corlett P.R., Woods S.W., Powers A.R., Gold J.M., Schiffman J, Waltz J.A., Silverstein S.M., Mittal V.A. (2022 September). *Gesture Interpretation and Performance Deficits in Clinical High Risk for Psychosis.* Poster presented at the 35th annual meeting of the Society for Research in Psychopathology, Philadelphia.
- \*Porter, A., Damme, K.S.F., Gratton, C., Mittal, V.A. (Sept, 2022). *A meta-analysis and systematic review of single vs multimodal neuroimaging techniques in detecting biomarkers linked to schizophrenia.* Poster presented at the annual meeting of the Society for Research in Psychopathology Philadelphia, PA
- \*Raj, J., Pratt, D., Schiffman, J., Ellman, L.M., Mittal, V.A. (2022, September). *Parsing Dissociative Experiences between Psychosis and Trauma.* Poster presented at the annual meeting of the Society for Research on Psychopathology, Philadelphia, PA.
- \*Williams, T. F., Williams, A. L., Cowan, H. R., Hernandez, J. J., Walker, E. F., Bearden, C. E., Keshavan, M., Cornblatt, B. A., Addington, J., Woods, S. W., Perkins, D. O., Mathalon, D. H., Cadenhead, K. S., Stone, W., Mittal, V. A. (2022, September). *Testing pre-registered predictions regarding the Hierarchical Taxonomy of Psychopathology in individuals at clinical high risk for psychosis.* Poster presented at the annual meeting of the Society for Research on Psychopathology, Philadelphia, PA.
- \*Zalkind, K, Mittal V.A. (2022, September). *Semantic Priming and Clinical Symptoms in Individuals at Clinical High Risk for Psychosis vs Healthy Controls.* Poster presented at the 35th annual meeting of the Society for Research in Psychopathology, Philadelphia.
- \*Zarubin, V. C., Damme, K. S. F., Vargas, T., Osborne, K. J., Norton, E., Briggs-Gowan, M., Allen, N., Wakschlag, L., & Mittal, V. A. (September 2022). *Neurodevelopmental vulnerability to psychosis: Developmentally based methods enable detection of early life inhibitory control deficits that predict psychotic-like experiences at the transition to adolescence.* Society for Research in Psychopathology, Philadelphia, PA.
- \*Cowan, H. R., McAdams, D. P., Mittal, V. A. (2021, Sept). *Narrative identity and clinical high risk for psychosis.* Poster presented at the annual meeting of the Society for Research in Psychopathology, Meeting held online.
- \*Damme, K. S. F., Ristanovic, I., & Mittal, V. A. (2021). *Timing of Menarche and Abnormal Hippocampal Connectivity in Youth at Clinical-High Risk for Psychosis.* Annual Conference of the Society of Biological Psychiatry (Virtual)
- \*Frosch, I. R., Damme, K. S. F., Mittal, V. A. (September 2021). *A multidimensional approach to social processing reveals distinct cerebellar connectivity patterns in CHR individuals.* Society for Research in Psychopathology, virtual conference.
- \*Giljen, M., Martinez, C. P., Vargas, T., & Mittal, V. A. (2021, September 24). *Associations Among Developmental Abnormalities, Sensorimotor Neurocognition, and Psychosis Spectrum Symptoms in Youth.* SRP, Virtual Conference.
- \*Gupta, T., Cowan, H.R., Strauss, G.P., Walker, E.F., Mittal, V.A. (2021). *Deconstructing Negative Symptoms in Individuals at Clinical High-Risk for Psychosis: Evidence for Volitional and Diminished Emotionality Subgroups that Predict Clinical Presentation and Functional Outcome.* Poster presented at

the International Society for Research in Psychopathology. Virtual Conference, United States.

- \*Karp E.L., Williams T.F., Mittal V.A. (2021 September). *Phenotypic Markers of Autism in Youth at Clinical High Risk for Developing Psychosis*. Poster presented at the 34<sup>th</sup> annual meeting of the Society for Research in Psychopathology, virtual.
- \*Osborne, K.J., Kraus, B., Curran, T., Earls, H., Mittal, V.A (2021). *An event-related potential investigation of early visual processing deficits in youth at clinical high-risk for psychosis*. Poster presented at the annual meeting of the Society for Research in Psychopathology, Virtual.
- \*Ristanovic, I., Haase, C., Lunsford-Avery, J., Nimmagadda, S., Mittal, V. A. (2021). *The Relationship between Stress Intolerance and Coping Styles with Sleep in Individuals at Clinical High-Risk for Psychosis*. Poster presented at Society of Research for Psychopathology, Virtual
- \*Vargas, T. & Mittal, V.A. (2021). *Differentiating Kinds of Systemic Stressors with Relation to Psychotic-Like Experiences in Late Childhood and Early Adolescence: The stimulation, discrepancy, and Deprivation Model of Psychosis*. Poster presented at Society of Research for Psychopathology, Virtual
- \*Williams, T. F., Ellman, L. E., Schiffman, J., & Mittal, V. A. (2021, September). *Employing Contemporary Integrative Interpersonal Theory to Understand Dysfunction in Those at Clinical High Risk for Psychosis*. Poster presented at the annual meeting of the Society for Research on Psychopathology, online.
- \*Zarubin, V., Damme, K. S. F., Briggs-Gowan, M., Wakschlag, L., Norton, E., & Mittal, V. (September 2021). *Distinct neurocognitive profiles in preschoolers related to specific domains of later psychopathology*. Society for Research in Psychopathology.
- \*Gupta, T., Haase, C.M., Strauss, G.P., Cohen, A.S., Ricard, J.R., Mittal, V.A. (2020, April). Altered emotion expression in psychosis risk: Determining the promise of ultra-thin slicing and comparing human and automated coding methods. Poster presented at the Society for Affective Science, San Francisco, CA.
- Stephens, J.E., Yee, C. I., Mittal, V.A., & Haase, C.M. (2020, April). Emotions in conflict: A behavioral analysis of adolescent-parent conflict conversations. Poster presented at the Annual Convention for the Society for Affective Science, San Francisco, CA.
- Anaya, I. C., Stephens, J. E., Mittal, V. A., Haase, C. M. (2020, April). Adolescent's Emotional Experiences During Adolescent-Parent Interactions and Links with Dispositional Affect. Poster presented at the Society for Affective Science conference, San Francisco, CA.
- Rodosky, S. E., Stephens, J. E., Gupta, T., Mittal, V. A., & Haase, C. M. (2020, April). Not Expressing Emotions and Links with Anxiety and Depression: A Laboratory-Based Study of Adolescent-Caregiver Conversations. Poster presented at the Society for Affective Science conference, San Francisco, CA.
- Rompilla, D. B., Jr., Stephens, J. E., Hittner, E. F., Mittal, V. A., & Haase, C. M. (2020, April). Becoming Happy while Sad: Executive Functioning and Emotion Regulation in Older Adults. Poster presented at the Society for Affective Science conference, Boston, MA. (2019, April) Becoming Happy while Sad: Executive Functioning and Emotion Regulation in Older Adults. Poster presented at the Society for Affective Science conference, San Francisco, CA.
- \*Ricard, J.R., Gupta, T., Hittner, E.F., Haase, C.M., Mittal, V.A. (2020, April). *Trauma history and facial expressions of emotions in individuals at clinical high risk for psychosis*. Poster presented at Society for Affective Science Conference. San Francisco, CA.
- \*Damme, K.S.F., Ristanovic, I., & Mittal, V.A. (2019) The Impact of Cannabis Use on Resting-State Networks in the Psychosis Risk Period: Cross-Sectional and Longitudinal Implications of Use. Society of Research for Psychopathology Annual Meeting, Buffalo, New York.
- \*Damme, K. S. F. & Mittal, V. A. (2019). Distinct and opposite Profiles of Connectivity during Self-Reference Task and Rest in Youth at Clinical High-Risk for Psychosis. Society for Biological

Psychiatry, Chicago, Illinois.

- \*Damme, K.S.F. & Mittal, V.A. (2019). Clinical High Risk for Psychosis Show Stable Global Functional and Nodal Structural Dysconnectivity, *Organization on Human Brain Mapping, Rome, Italy*.
- \*Damme, K.S.F., Ristanovic, I., & Mittal, V.A. (2019). The Impact of Cannabis Use on Resting-State Networks in the Psychosis Risk Period: Cross-Sectional and Longitudinal Implications of Use. *Society of Research for Psychopathology Annual Meeting, Buffalo, New York*.
- \*Gupta, T., Damme, K.S.F., Haase, C.M., Mittal, V.A. (2019) Genuine and nongenuine smiles in adolescents and young adults at clinical high-risk for psychosis. *Society of Biological Psychiatry Annual Meeting, Chicago, Illinois*.
- \*Gupta, T., Dean, D.J., Kelley, N.J., Bernard, J.A., Ristanovic, I., Mittal, V.A. (2019). Cerebellar tDCS improves procedural learning in non-clinical psychosis. *Organization for Human Brain Mapping Annual Meeting, Rome, Italy*.
- \*Gupta, T., Haase, C.M., Strauss, G.P., Cohen, A.S., Ricard, J.R., Mittal, V.A. (2019). Altered emotion expression in psychosis risk: Determining the promise of thin slicing and comparing human and automated coding methods. *Poster to be presented at Society for Research in Psychopathology Annual Meeting, Buffalo, New York*.
- \*Osborne, K.J., Dean, D.J., Gupta, T., Ristanovic, I., Vargas, T., Walther, S., Mittal, V.A (June 2019). Motor behavior subtypes and risk profiles in clinical high-risk individuals. *Talk to be given at the 14th World Congress of Biological Psychiatry, Vancouver, BC*.
- \*Osborne, K.J., Gupta, T., Mittal, V.A (June 2019). Brain stimulation and motor learning in a psychosis continuum population. *Talk to be given at the 14th World Congress of Biological Psychiatry, Vancouver, BC*.
- \*Osborne, K.J., Damme, D.S.F., Gupta, T., Dean, D.J., Bernard, J.A., Mittal, V.A (May 2019). Timing dysfunction and cerebellar network abnormalities in youth at clinical high-risk for psychosis. *Poster presented at the 74th annual meeting of the Society of Biological Psychiatry, Chicago, IL*.
- \*Osborne, K.J., Vargas, T., Mittal, V.A, (2019). Early childhood social communication deficits in youth at clinical high-risk for psychosis: Associations with functioning and risk. *Poster to be presented at the annual meeting of the Society for Research in Psychopathology, Buffalo, NY*.
- \*Ricard, J.R., Gupta, T., Mittal, V.A., Haase, C.M. (2019, March). Signs of psychosis risk: Thin slices of altered emotional behavior in youth at clinical high risk for psychosis. *Poster presentation given at Society for Affective Science. Boston, MA*.
- \*Ricard, J.R., Gupta, T., Haase, C.M., Mittal, V.A. (2019, September). Facial expressions of emotions and life stress in adolescents at clinical high risk for psychosis. *Poster to be presented at 33rd Annual Meeting of the Society for Research in Psychopathology Annual Meeting, Buffalo, New York*.
- \*Rowghani, K., Gupta, T., Mittal, V.A. (2019, May). Facial Expressivity in Non-Clinical Psychosis. *Department of Psychology Undergraduate Poster Session, Evanston, IL*.
- \*Vargas, T., Damme, K.S. F., Hooker, C.I., Gupta, T., Cowan, H.R., Mittal, V.A. (2019). Differentiating Implicit and Explicit Theory of Mind and Associated Neural Networks in Youth at Clinical High Risk (CHR) for Psychosis. *Organization for Human Brain Mapping Annual Meeting, Rome, Italy*.
- \*Zou, D. S., Conley, R., Mittal, V. A. (2019) Correlates of facial emotion recognition task performance in healthy youth. *Poster presented at Anxiety and Depression Association of America, Chicago, IL*.
- \*Lång, U., Mittal, V., Schiffman, J., & Therman, S. (2019). F66 Measurement invariance of psychotic like experiences as measured with the PQ-B in adolescent and adult population samples. *Schizophrenia Bulletin*, 45(Supplement\_2), S280-S280.

- \*Zou, D. S., Conley, R., Mittal, V. A. (2019) Social responsiveness and psychosis-risk: a multi-perspective approach. *Poster to be presented at Society for Research in Psychopathology Annual Meeting, Buffalo, NY.*
- \*Cowan, H. R., & Mittal, V. A. (2018). Self-concept and psychotic-like experiences. *Poster presented at Society for Research in Psychopathology, Indianapolis, IN.*
- \*Dean, D.J., Bernard, J.A., Mittal, V. A. (2018). Motor Learning during an isometric force grip task in youth at clinical high risk for psychosis: An FMRI study. *Poster presented at Society for Research in Psychopathology, Indianapolis, IN.*
- \*Damme, K.S.F., Gupta, T., Vargas, T., Mittal, V. A. (2018). Stable Structural Connectivity Networks Differences in the Clinical High Risk for Psychosis during the Psychosis Risk Period, Society of Research for Psychopathology Annual Meeting, Indianapolis, Indiana.
- \*Gupta, T., Rowghani, K.K., Ricard, J.R., Haase, C.M., Mittal, V.A (2018). Alterations in facial expressivity in youth at clinical high-risk for psychosis. *Society for Research in Psychopathology Annual Meeting, Indianapolis, Indiana.*
- \*Ristanovic, I., Zou, D. S., Conley, R., Mittal, V. A. (2018). Gonad corticoids as Neuroprotective Factors in Population at Clinical High Risk for Psychosis. *Poster presented at Society for Research in Psychopathology, Indianapolis, IN.*
- \*Severaid, K. B., Osborne, J. O., Mittal, V. A. (2018). Implications of religious and spiritual practices in youth at clinical high risk for psychosis. *Poster presented at Society for Research in Psychopathology, Indianapolis, IN.*
- \*Vargas, T., Damme, K.S., Mittal, V. A. (2018). Bullying Victimization in Typically Developing and Clinical High Risk (CHR) Adolescents: A Multimodal Imaging Study. *Society of Research for Psychopathology Annual Meeting, Indianapolis, Indiana.*
- \*Dean, D. Bernard, Mittal, VA (2018). Motor learning during an isometric force grip task in youth at clinical high-risk for psychosis: a functional imaging study. Poster presented at Society for Research in Psychopathology, Indianapolis, I
- \*Zhang, W., Osborn, J., Mittal, VA., Kappenman, E., (2018). Behavioral and neural measures of visual working memory in youth at clinical high-risk for psychosis. Poster presented at Society for Research in Psychopathology, Indianapolis, IN
- \*Azis, M., Mittal. (2018) Factor analysis of negative symptoms in individuals at clinical high-risk for psychosis. Poster presented at Society for Research in Psychopathology, Indianapolis, IN
- Mittal, V., Gupta, T., Dean, D., Bernard, J., Kelley, N., Ristanovic, I., ... & Vargas, T. (2018). S206. Cerebellar Transcranial Direct Current Stimulation (tDCS) Improves Procedural Learning in Non-Clinical Psychosis. *Biological Psychiatry*, 83(9), S427-S428.
- \*Carol, E.E., Link, A., Mittal, V.A. (2017). Obstetric complications and HPA axis functioning in adolescents at ultra high-risk for psychotic disorders. Poster presented at Society for Research in Psychopathology, Denver, CO.
- \*Dean, D. J., Walther, S., & Mittal, V. A. (September 2017). Vulnerability subtypes in motor performance in youth at risk for psychosis. Poster presented at Society for Research in Psychopathology. Denver, CO.
- \*Gupta, T., Garcia, G., Hespos, S.J, Horton, W.S., Yang, J., Mittal, V.A. Automated analysis of written narratives reveals abnormalities in referential cohesion in youth at ultra-high risk for psychosis. 2017. Presented at Society for research in psychopathology. Denver, Colorado.
- \*Lieberman, A., Larson, C., Mittal, V.A. (2017). Voice-pitch perturbation in non-clinical psychosis population. Poster presented at Society for Research in Psychopathology, Denver, CO.
- \*Newberry, R.E., Dean, D.J., Mittal, V.A. (2017). Multi-site study of exercise behavior in adolescents at clinical high-risk for developing psychotic disorders. Poster presented at Society for Research in Psychopathology. Denver, CO.

- \*Osborne, K. J., Kent, J., Shashoua, N., Mittal, V.A. (2017). Perceptual timing deficits in individuals at ultra-high risk for psychosis. Poster presented at the annual meeting of the Society for Research in Psychopathology, Denver, CO.
- \*Ozturk, S., Vargas, T., & Mittal, V. (September 2017). Abnormal white matter connectivity in non-clinical psychosis. Poster presented at the 31st Annual Meeting of the Society of Research in Psychopathology, Denver, CO.
- \*Pelletier-Baldelli, A., Bernard, J., Orr, J., Gupta, T., Mittal, V. (2017). Do youth at risk for psychosis like being liked? A functional magnetic resonance imaging investigation into social reward processing. Poster presented at Society for Research in Psychopathology, Denver, CO.
- \*Ristanovic, I., Mittal, V. A. (2017). The Role of Legalization of Cannabis Use on Cannabis Use Attitudes and Behaviors in Youth at Risk for Psychosis. Poster presented at Society for Research in Psychopathology, Denver, CO.
- Nunez, M., Kelley, N.J., Mittal, V.A., & Zinbarg, R. (2017). Anodal tDCS over the right dorsolateral prefrontal cortex undermines exposure therapy via elevated avoidance motivation. *Psychophysiology*, 54, S164.
- 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 50<sup>th</sup> 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 Temporo-parietal 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., Papathomas, 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., Silverstein, 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, JA., 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, A.L., 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. & Trotman, 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 Mentor**

#### **List of Current Academic Positions from Previous Trainees**

Tina Gupta, Ph.D., Assistant Professor, Department of Psychology, University of Oregon

Trevor Williams, Ph.D., Assistant Professor, Department of Psychology, Kent State University

Raffles Cowan, Ph.D., Assistant Professor, Department of Psychology, Michigan State University

Katherine Damme, Ph.D., Assistant Professor, UT Dallas Psychology

Jessica Lunsford-Avery, Ph.D., Associate Professor in Psychiatry and Behavioral Sciences, Duke

Jessica Bernard, Ph.D., Associate Professor, Department of Psychology, Texas A&M

Joseph Orr, Ph.D., Associate Professor, Department of Psychology, Texas A&M

Emily Carol, Ph.D., Clinical Director, Support, Treatment and Resilience (STAR) Program, Instructor in Psychology, Harvard Medical School

Teresa Vargas, Ph.D., Postdoctoral Fellow, Harvard, Department of Psychology

Juston Osborne, Ph.D., Postdoctoral Fellow, Washington University, Department of Psychology

Andrea Pelletier-Baldelli, Ph.D., Clinical Assistant Professor, Department of Psychiatry, UNC Chapel Hill

Zachary Millman, Ph.D., Director of Research, Support, Treatment and Resilience (STAR) Program Instructor of Psychology, Mclean Harvard Medical School

#### **Mittal Laboratory Graduate Students Masters and Dissertation Projects:**

2024- Dissertation Francesca Kuhney, Social media use and negative symptoms in psychosis risk

2024- Dissertation Ivanka Ristanovic, Stress and symptom content in psychosis risk: an experienced sampling approach

2024- Dissertation Alexis Porter, Machine learning and precision in predicting psychosis.

2024- Dissertation Katia Zalkind- Semantic Priming and Psychosis Risk  
 2022- Dissertation - Juston Osborne- LRP and motor signs in psychosis risk  
 2022- Dissertation- Teresa Vargas- Stressors across development, and risk for psychosis.  
 2021- Dissertation - Tina Gupta- Emotional blunting and youth at risk for psychosis  
 2022- Dissertation- Raffles Cowan- Self-identity, narrative, and risk for psychotic disorders  
 2019- Masters Advisor Ivanka Ristanovic, Life-event stress and risk for psychosis across adolescence.  
 2018 - Masters Advisor, Juston Osborn, Temporal bisection, cerebellar dysfunction and psychosis risk.  
 2018- Masters Advisor, Vargas, Hippocampal subfields across psychosis risk and schizophrenia stages.  
 2018- Dissertation Advisor, Emily Carol, Longitudinal evaluations of stress systems in youth at risk for developing psychotic disorders  
 2018- Dissertation Advisor, Derek Dean, Movement Abnormalities, Frontal-subcortical Structure and Function, and Youth at Risk for Psychosis  
 2017- Masters Advisor, Tina Gupta, Brain stimulation and motor learning in psychosis risk individuals.  
 2017- Dissertation Advisor, Andrea Pelletier, Do youth at risk for psychosis like being liked? An fMRI investigation of social reward processing  
 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 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

***Awards for Postdoctoral Students:***

SIRS Early Investigator Award 2025, Victor Pokorny  
 SIRS Early Investigator Award 2025, Danielle Pratt  
 Brain and Behavior Research Foundation, NARSAD Young Investigator Award, Danielle Pratt 2025  
 NRSA Trevor William, 2023  
 SIRS travel award Trevor Williams, 2023  
 SIRS travel award Kate Damme, 2020  
 Northwestern University NICS Data Science Initiative Award, Emily Cibelli, 2016  
 Brain and Behavior Research Foundation, NARSAD Young Investigator Award, Jessica Bernard, 2014  
 ICOSR Young Investigator: Jessica Bernard, 2015  
 NIMH National Research Service Award: Jessica Bernard, 2013-2015

***Awards for Graduate Students:***

APS Rising Star Award 2025, Tina Gupta  
 SIRS Early Investigator Award 2025, Luz Maria Alliende Serra  
 SIRS Early Investigator Award 2025, Jessica Fattal  
 SIRS Early Investigator Award 2025, Vanessa Zarubin  
 Luz Maria Alliende Serra, SRP DEI Scholarship award, 2024  
 NSF- honorable mention, Franchesca Kuhney, 2021

SIRS Early Career Award, Franchesca Kuhney, 2021  
T32 Fellowship, Training Program in Neuroscience of Human Cognition, Juston Osborne, 2019-2020  
NRSA Tina Gupta 2019-2022  
NRSA Teresa Vargas 2019-2022  
SNAP talk at SRP, Teresa Vargas, 2019  
ERP Camp, Juston Osborne, 2019  
Ford Fellowship, National Academy of Science, Teresa Vargas, 2019  
DevSci Pilot Funds Award, Jaqueline Stephens, 2018  
DevSci Pilot Funds Award, Teresa Vargas, 2018  
Dosier/Muenzinger Award for Translational Research, Emily Carol, 2018  
University of Michigan, Neuroimaging training fellowship, Tina Gupta, 2018  
T32 Fellowship, Training Program in Neuroscience of Human Cognition, Tina Gupta, 2017-2019  
Beverly Sears Graduate D, Emily Carol, 2017  
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  
Human Brain Mapping Abstract Merit Award: Derek Dean, 2015  
NIMH National Research Service Award: Andrea Pelletier, 2013-2016

***Awards for Mittal Lab Undergraduate Students:***

Julia Paska, Travel Grant, 2024/25  
Ishika Aurora, NEURON, 2024/25  
Isha Nayak, SURG, 2024  
Julianna Schuch, SURG, 2024  
Honors in Psychology, Morgan Tinsley, 2024  
Emily Park, SURG 2024  
Taera Kaka, SURG 2024  
Natalie Larson, SURG 2024  
Julianna Schuch, SURG 2024  
Isha Nayak, SURG 2024  
Sophia Talwalkar, SURG 2023  
Ishika Arora, SURG 2023  
Peirong She, WCAS Summer Grant 2023  
Morgan Tinsley, Honors in Psychology 2024  
Daba Hubbell, 2021 SURG  
Carson Knoer, URG AY 19/20, Summer 2020  
Paia Amelio URAP Summer 2020  
Jordyn Ricard, Summer URG 19/20  
Jordyn Ricard, Top Social Science Presentation at NU Undergraduate Research Exposition, 2020  
Amy Lieberman, Accepted to NIMH IRTA 2018-present (Dickenson)  
Defne Cezayirli, Accepted to NIMH IRTA 2019 (Fedorova)  
Carson Knoer, URPA Summer 2019  
Jordyn Ricard, Poster Spotlight Award- Society for Affective Sciences (SAS), Winter 19  
URG, Alara n Ozsan, 2019, Summer 2019  
URG, Defne, Cezayirli, 2019, Summer 2019  
Honors in Neuroscience, Defne Cezayirli, 2019  
Honors in Psychology, Kim Rowgani, 2019

Honors in Psychology, Alara Ozsan, 2019  
 Honors in Psychology, J. Maloney, 2018  
 Honors in Psychology, Amy Lieberman, 2018  
 Amy Lieberman, Undergraduate research and arts exposition, presentation invitee, Spring 2018  
 Alara Ozsan, Undergraduate Research Award (URG), 2018/2019  
 Defne Cezayirli, Undergraduate Research Award (URG), 2018/2019  
 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  
 Vicotria Steigerwald, Undergraduate Research Assistant Program (URAP), 2016/2017  
 Grishma Reddy, Undergraduate Research Assistant Program (URAP), Summer 2016  
 Jaqueline 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)

*Northwestern Undergraduate Honors Program*

2024- Morgan Tinsley (Mentor Mittal)  
 2020- Jordyn Ricard (Mentor Mittal, Haase)  
 2020- Sophia Rodesky (Mentor Haase)  
 2019- Defne Cezayirli (Mentor Mittal)  
 2019- Kim Rowgani (Mentor Mittal)  
 2019- Alara Ozsan (Mentor Mittal)  
 2018- Jacqueline Maloney (Mentor Mittal)  
 2018- Amy Lieberman (Mentor Mittal)

*CU Boulder Honors Program*

2015- Olivia Russak (Mentor: Mittal)

**Professional Service**

***Editorial Service***

2019- Present	<i>Journal of Psychopathology and Clinical Science</i> (formally, <i>Journal of Abnormal Psychology</i> , Associate Editor
2014-2019	<i>Journal of Abnormal Psychology</i> , Consulting Editor
2020-Present	<i>Psychological Review</i> , Consulting Editor
2023- Present	<i>Schizophrenia Bulletin</i> , Associate Editor
2020-2023	<i>Schizophrenia Bulletin</i> , Managing Editor
2017-2020	<i>Schizophrenia Bulletin</i> , Assigned Editor

***Professional Societies***

2024-Present	President Elect, Society for Research in Psychopathology (SRP)
2025	SIRS, DISCOURSE Satellite Meeting, Chicago, Host
2024	Sustained Contributions to Social Justice in Psychopathology, Chair, (SRP)

2023	Mentorship Award Committee, Society for Research in Psychopathology (SRP)
2019-2024	Executive Board, Society for Research in Psychopathology (SRP)
2018-Present	Program Committee, International Early Psychosis Association (IEPA)
2018-Present	Program Committee, Society for International Research in Schizophrenia (SIRS)
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 (currently chair; 2019-Present), 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***

2018-Present	Building roads to inclusion and diversity in graduate education (Bridge Network), Northwestern Site Director
2014-2015	National Alliance for the Mentally Ill (NAMI) on Campus Faculty Advisor for CU Boulder

### ***Northwestern University***

2025	Dean's Chair Advisory group on Research Activities in WCAS
2025	NUCATS- Hub Liaison Team (HLT) Representative, Weinberg College
2022-present	NURTURE initiative, Brain and Behavior Community, Personnel Committee
2023-present	Department Chair, Psychology
2023	Faculty Development (Provost Office sponsored– workshop on moving to full professor))
2023	Department of Psychiatry, Search Committee Clinical Neuroscience Position
2022	Department of Psychiatry, Search Committee Clinical Neuroscience Position
2020-2022	Department of Psychology, Committee on Engagement (Chair: 2022)
2020-2022	Department of Psychology, Awards committee chair
2020- Present	DevSci Diversity Committee
2018	Student Well-being task force
2018-2020	Office for Research Limited Submissions Advisory Committee
2017	Faculty Search Committee, Neuroscience, Department of Psychology
2017	Searle Teaching Mentor, Tawny Spinelli
2017-present	Training Program in Neuroscience of Human Cognition (T32), Preceptor
2017-Present	Institute for Innovations in Developmental Sciences (DevSci) Training Core 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 Director  
   - Provost grants for Faculty Innovation in Diversity and Equity

***University of Colorado Boulder***

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 (Note: Mittal lab students noted in separate section above)**

*Undergraduate Honor's Projects*

*Northwestern University*

2024- Beckett Sands (Haase)  
2024- Lillian Fu (Haase)  
2021- Sophia Rodesky (Mentor Haase)  
2020- Klaudia Konieczny (Mentor Haase)  
2018- Olivia shay (Haase)  
2018- Emily Friaser (Zinbarg)  
2018- Victoria Steigerwald (Zinbarg)

*University of Colorado Boulder*

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*

2025- Yuki Hann (Reber): Learning with rhythm: the advantage of metrical rhythm in implicit motor sequence learning.

2025- Vincent Paquin (Jai Shah, McGill): Adolescent media use and its associations with psychotic experience

2019- Jeremy Jabbour, Sexual arousal patterns of mostly heterosexual men (Baily)

2019- Ann Carol, Risk for Bipolar Spectrum Disorders Associated with Positive Urgency and Orbitofrontal Cortical Grey Matter Volume (Nusslock)

2019- Ariela Kaiser (Shankman)

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

2015- Katherine Damme (Nusslock) Nucleus Acumens Connectivity Relates to Trait Risk for Hypomania: A Structural and Functional Analyses of Hypomaniac 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*

2024 Yuki Hann, (Paller)

2023 Gayathri Subramanian (Paller)

2022 Diana Perez Revera (Gratton)

2020- Brian Kraus (Gratton)

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*

2024-2025 Gayathri Subramanian (Paller)

2022- Dissertation Proposal- Jabbour- Factor structure of BDSM

2022- Miranda Munoz (Chair Mittal).

2019- Zach Millman (Mentor: Schiffman, UC Irvine), Facial affect identification errors and risk for schizophrenia spectrum illnesses

2018- Tatiana Karpouzian (Mentor: Reiley) Reduced task-evoked response on an executive control task among individuals across the psychosis spectrum

2018- Avante Smack (Mentor: Jennifer Tackett): Racial/Ethnic Differences in Values, Personality, and Psychopathology in Youth  
 2018- Katherine Damme (Nusslock)  
 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- 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-restraint 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

### **Consultancies**

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

### **Teaching Experience**

#### ***Curriculum Development***

**2015-Present**      **Northwestern:** *Advanced Graduate Psychopathology 421/497; Research Methods in Schizophrenia 357/497; Psychopathology 303; Proseminar -Biological and Cognitive Bases of Behavior 401; Proseminar- Social and Emotional Bases of Behavior 401:* 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***

**2023-Present**      *Northwestern University, Department of Psychology, Graduate Proseminar 401-1/401-2 (graduate).* I teach two sections of the Graduate Proseminar, designed to introduce new graduate students to the different concepts and topics central to innovative and impactful psychological science.



- 2016-Present *Northwestern University, Department of Psychology, Advanced Graduate Psychopathology 421/497 (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. 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-Present *Northwestern University, Department of Psychology, Research Methods in Schizophrenia 357/497 (undergraduate/graduate).* An in-depth 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-Present *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 I & II: (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**

- 2023 *Northwestern University, Department of Communications, Development, Guest Lecture, Molly Losh*
- 2019 *Northwestern University, Dedre Gentner, Motor Markers in psychosis, CogSci Prosem*
- 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 7<sup>th</sup> 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**, Illinois #071.0100636; Colorado #psy.0004100
- 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.