

updated March, 2018

## **CURRICULUM VITAE**

GABRIEL S. DICHTER, PH.D.

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Department Of Psychiatry & Carolina Institute for Developmental Disabilities  
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### **ACADEMIC APPOINTMENTS**

2014-present Associate Professor with tenure, Department of Psychiatry, University of North Carolina at Chapel Hill  
2008-2014 Assistant Professor (tenure track), Department of Psychiatry, University of North Carolina at Chapel Hill  
2006-2008 Clinical Assistant Professor, Department of Psychiatry, University of North Carolina at Chapel Hill

### **EDUCATION and CREDENTIALING**

2004-2006 T32-funded Post-Doctoral Fellow, Carolina Institute for Developmental Disabilities, University of North Carolina at Chapel Hill (PI: Joseph Piven, MD)  
2004 Pre-doctoral Clinical Psychology Intern, Durham VA Medical Center, Durham, NC.  
2004 Ph.D., Clinical Psychology, Vanderbilt University, Advisor: Andrew J. Tomarken, Ph.D.  
1995 B.A., Psychology (Concentration in Neural and Behavioral Sciences), Haverford College.  
2008-present Licensed Psychologist and Certified Health Service Provider, North Carolina (#3548),

### **ADDITIONAL FACULTY AFFILIATIONS and POSITIONS**

2017-present Associate Director, UNC Intellectual and Developmental Disabilities Research Center  
2017-present Director of Research, Carolina Institute for Developmental Disabilities  
2015-present Director, UNC IDDRC Research Participant Registry  
2014-present Affiliated faculty, UNC Biomedical Research Imaging Center (BRIC)  
2014-present UNC-CH Research Fellowship in Complementary & Alternative Medicine training faculty  
2014-present UNC-CH Center for Developmental Science (CDS) mentor faculty  
2013-present Director of the UNC Certificate Program in Developmental Disabilities  
2012-present Director of the Interdisciplinary Education Core, NC University Center for Excellence in Developmental Disabilities (NC-UCEDD)  
2010-present UNC-CH Neurobiology Curriculum Faculty

2008-present	Adjunct Faculty, Department of Psychology & Neuroscience, UNC-CH
2008-present	Adjunct Faculty, Department of Psychiatry and Behavioral Sciences, Duke University Medical Center
2006-present	Investigator, Carolina Institute for Developmental Disabilities
2006-2014	Faculty, Duke-UNC Brain Imaging and Analysis Center, Duke University
2001-2003	Clinical Interviewer, Sequential Treatment Alternatives to Relieve Depression-Child Study (STAR*D-Child), Vanderbilt University; PIs: Judy Garber & Myrna Weissman
1996-1998	Electrophysiological / Neuropsychological Technician, NY State Psychiatric Institute, Department of Biological Psychiatry; <u>Supervisor</u> : Sarah H. Lisanby, MD
1994-1995	Research Technician, New York State Psychiatric Institute, Department of Developmental Psychobiology; <u>Supervisor</u> : Myron A. Hofer, MD

### **HONORS AND AWARDS**

2017	Named the John and Polly Sparks Foundation Investigator by the Brain and Behavior Foundation
2016	Associate Member of the American College of Neuropsychopharmacology (ACNP)
2015	UNC-CH Phillip and Ruth Hettleman Prize for Artistic and Scholarly Achievement by Young Faculty
2015	UNC-CH nominee for the Charles A Dana Foundation David Mahoney Neuroimaging Program
2011	Vanderbilt University Randolph Blake Early Career Award for the Psychological Sciences
2011	UNC-CH nominee for the Edward Mallinckrodt, Jr. Foundation Award
2003	“Science Directorate Dissertation Research Award”, American Psychological Association
2003	“Positive Psychology Dissertation Award”, Martin Seligman Research Alliance
1999-2003	Vanderbilt University Full Fellowship and Tuition Scholarship
1999-2003	Select Scholars Award, Vanderbilt University

### **GRANT SUPPORT**

R61/R33 MH110027 (PIs: Dichter & Smoski)	2017-2022
“Development of A Novel Transdiagnostic Intervention for Anhedonia”	
The goal of this experimental therapeutics trial is to validate Behavioral Activation Treatment for Anhedonia in a transdiagnostic sample of anhedonic patients first with 7T fMRI and then with a randomized clinical trial.	
<u>Role</u> : contact Principal Investigator	
R61/R33 MH110027 S1 (PIs: Dichter & Smoski)	2017-2019
“Development of A Novel Transdiagnostic Intervention for Anhedonia”	
The goal of this supplement is to evaluate changes in striatal dopamine binding measured via [ <sup>11</sup> C]raclopride PET and smartphone-based ecologic momentary assessment due to anhedonia treatment in a transdiagnostic sample of anhedonic patients	
<u>Role</u> : contact Principal Investigator	

- Brain & Behavior Research Foundation (PI: Dichter) 2017-2019  
Independent Investigator Award  
"Inflammation as a Candidate Mediator of Anhedonia Treatment Response"  
The goal of this project is to evaluate relations between changes in anhedonia, peripheral inflammatory markers, pro-inflammatory cytokines, and brain activation and connectivity due to anhedonia treatment.  
Role: Principal Investigator
- R21 MH110933 (PIs, Dichter & Hooker) 2016-2018  
"A Simultaneous PET/MR Study of Striatal Dopamine Binding in Autism"  
The goal of this project is to evaluate striatal dopaminergic functioning during reward processing in autism spectrum disorder through the use of simultaneous PET/MR  
Role: contact Principal Investigator
- R01 MH108690 (PI: Girdler) 2016-2021  
"The Menopause Transition: Estrogen Variability, HPA axis and Affective Symptoms"  
The goal of this project is to assess linkages between variability in circulating amounts of estrogen, anhedonia, and stress reactivity during the menopausal transition.  
Role: Co-Investigator
- U01DD001207 (PI: Daniels) 2016-2021  
"Component C: East Coast SEED 1 Follow-up Study"  
The goal of this project is to conduct a longitudinal prospective follow-up study of the Study to Explore Early Development (SEED), a population-based study of the causes and correlates of ASD, to understand the long-term trajectory of children with ASD.  
Role: Co-Investigator
- HRSA T73 MC00030 (PI: Roush) 2016-2021  
"Clinical Center for the Study of Development and Learning"  
The Leadership in Neurodevelopmental Disorders (LEND) grant supports multidisciplinary training in the area of intellectual and developmental disability to trainees across the state of North Carolina.  
Role: Administrative Leadership Team, Core Faculty, and IDDRC Liaison
- Simons Foundation (PI's: Piven & Dichter) 2015-2020  
"Carolina Site for the SFARI National Autism Cohort"  
The goal of this project is to be a site for the SPARK, a Simons Foundation national autism initiative the goal of which is to engage a community of 50,000 individuals with autism spectrum disorders and their family members to contribute medical and behavioral information as well as saliva for DNA analysis.  
Role: Principal Investigator

- R01 DA026424 (PI: Daughters) 2015-2020  
“Technology Enhanced Behavioral Activation Treatment for Substance Use”  
The goal of this project is to (1) determine if a smartphone-enhanced Life Enhancement Treatment for Substance Use is associated with long term treatment engagement and treatment outcomes, and (2) use fMRI to identify the effects of this treatment on the neuromarkers of reward sensitivity.  
Role: Co-Investigator
- 90DD0676 (PI: Piven) 2012-2017  
North Carolina University Center for Excellence in Developmental Disabilities  
This core provides support for the provision of interdisciplinary training, demonstration of exemplary services, technical assistance, and dissemination of information aimed at increasing the independence, productivity, and integration into the community of persons with developmental disabilities.  
Role: Director of the Interdisciplinary Education Core
- R34 MH1044071 (PI: Brodtkin) 2014-2018  
“Services to Enhance Social Functioning in Adults with Autism Spectrum Disorders”  
The major goal of the project is to develop and test a novel, integrated, three-part intervention strategy to enhance social functioning in adults with autism spectrum disorder.  
Role: Co-Investigator & UNC site PI
- Brain and Behavior Research Foundation (PI: Carter) 2014-2017  
“Engagement of Social-Cognitive Networks During Game Play in Autism”  
This proposed project seeks to understand how regions of the brain associated with social game play are engaged in individuals with autism during play against non-human opponents.  
Role: Co-Investigator / Clinical mentor
- U54 HD079124 (PI: Piven) 2013-2018  
Clinical Translational Research Center for Neurodevelopmental Disorders  
Intellectual and Developmental Disabilities Research Center.  
Roles: Associate Center Director, Director of the Research Participant Registry, & Associate Director of the Clinical Translational Core
- U54 HD079124 (PI: Piven; Research Component PI: Stuber) 2013-2018  
Clinical Translational Research Center for Neurodevelopmental Disorders – Research Project Component  
“Neural Circuits That Regulate Social Motivation in Autism Spectrum Disorder”  
The goal of this linked project is to integrate optogenetic circuit manipulations in a mouse model of ASD with a clinical neuroimaging study of the effects of oxytocin on reward circuits in children with ASD.  
Role: Co-Investigator
- R01 DA033459 (PI: Froeliger) 2012-2017  
“Neuroimaging of Nicotine Dependence, Depression and Emotion Regulation”  
The goal of this project is to examine relations between depression, neural mechanisms of emotion regulation, and smoking behavior  
Role: Co-Investigator & UNC site PI

**Completed**

- R01 MH073402 (PIs: Bodfish & Dichter) 2011-2017  
"Restricted Repetitive Behaviors in Autism"  
The goal of this project is to elucidate attentional and neural correlates of restricted interests in autism.  
Role: Principal Investigator
- R21 MH094781 (PIs: Dichter & Smoski) 2012-2015  
(*Impact score 11, 1<sup>st</sup> percentile*)  
"Imaging Genetic Predictors of Psychotherapy Outcomes in Unipolar Depression"  
The goal of this project is to investigate relations between candidate genes, fMRI of reward processes, and psychotherapy outcomes in unipolar depression.  
Role: Principal Investigator
- R21 MH094781 S1 (PIs: Dichter & Smoski) 2013-2014  
"Imaging Genetic Predictors of Psychotherapy Outcomes in Unipolar Depression"  
This award is a research supplement to promote diversity in health-related research.  
Role: Principal Investigator
- UNC-CH University Research Council Small Grants Program Awardee (PI: Dichter) 2015  
The goal of this small grant is to support the collection of pilot data to support future grant applications.  
Role: Principal Investigator
- K23 MH081285 (PI: Dichter) 2008-2014  
"Functional Neuroimaging of Psychopharmacologic Treatment for Autism"  
The goal of this project is to acquire training in (1) applications of fMRI for intervention research, (2) assessment of repetitive behaviors in autism, and (3) treatment outcome research to investigate the effects of citalopram treatment in high-functioning autism.  
Role: Principal Investigator
- Foundation of Hope for Research and Treatment of Mental Illness (PI: Dichter) 2009-2013  
"Neural Correlates of Reward in Autism"  
This grant provides support for fMRI studies of reward processing in individuals with autism.  
Role: Principal Investigator
- UNC-Chapel Hill University Research Council Award (PI: Dichter) 2011-2013  
"Emotion-Modulated Psychophysiology of Children with Autism"  
Role: Principal Investigator
- ARRA R21 MH085254 (co-PIs: Dichter & Benning) 2009-2012  
"Emotion-Modulated Psychophysiology of Autism Spectrum Disorders"  
The goal of this exploratory grant is to investigate the core features of autism using emotion-modulated psychophysiological measures.  
Role: Principal Investigator

- NARSAD (PI: Dichter) 2008-2011  
Young Investigator Award  
"Brain Activation Changes Following Behavioral Therapy in Depression"  
The goal of this project is to use Functional Magnetic Resonance Imaging (fMRI) to evaluate the effects of behavioral psychotherapy on affect regulation in unipolar major depression.  
Role: Principal Investigator
- NC Translational and Clinical Sciences Institute \$10k Pilot Grant Program 2010-2012  
"Using fMRI to Understand Treatment Mechanisms in Autism"  
The purpose of this grant is to supplement ongoing studies of treatment effects in autism using fMRI.  
Role: Principal Investigator
- R44 MHO84355 (PI: Brodey) 2010-2012  
"Youth Mental Health Outcomes Tracking System: Self, Parent, & Clinician-Reported"  
To produce a multi-domain state outcomes tracking instrument for youth, their parents, and clinicians..  
Role: Unpaid consultant with no measurable effort (due to K23 funding).
- UNC-Chapel Hill University Research Council Award (PI: Dichter) 2009-2012  
"fMRI Evaluation of Subclinical Depression"  
The goal of this project is collect pilot fMRI data to assist with extramural grant applications.  
Role: Principal Investigator
- R21 NS065344 (PI: Song) 2009-2012  
"Myelin-Specific Diffusion Tensor Imaging For Developmental Neuroimaging"  
To develop a new acquisition technique to differentiate white matter microstructural changes with sensitivity and specificity to myelin, and to demonstrate its applicability in human applications.  
Role: Unpaid consultant with no measurable effort (due to K23 funding)
- The Dana Foundation (PI: Dichter) 2007-2010  
"Functional Neuroimaging of Citalopram Treatment for Autism"  
To use fMRI to explore the mechanisms of action of citalopram-induced symptom reductions in autism.  
Role: Principal Investigator
- Bristol-Myers Squibb Investigator Sponsored Research (co-PIs: Dichter & Sikich) 2010  
"Pilot Study of the Effect of Aripiprazole Treatment in Autism Spectrum Disorders"  
The purpose of this award is to support fMRI studies of the neural effects of aripiprazole in autism.  
Role: Principal Investigator
- NIH/NCRR K12 RR023248-02 (PI: Orringer) 2007-2008  
UNC Multidisciplinary Clinical Research Career Development Program  
This Roadmap K12 enables UNC to recruit a cohort of fellows and junior faculty members drawn from at least four disciplines, and prepare them for careers in multidisciplinary clinical research.  
Role: Principal Investigator / Roadmap Scholar

- NIMH R03 MH078145 (PI: Dichter) 2006-2009  
"Reward System Recovery Following Behavioral Activation Therapy in Depression"  
The goal of this project is to use Functional Magnetic Resonance Imaging to investigate the effects of behavioral activation therapy on the integrity of reward systems in unipolar major depression.  
Role: Principal Investigator
- NARSAD (PI: Dichter) 2006-2009  
Young Investigator Award  
"The neural influence of affective dysregulation on executive function in unipolar major depression"  
The goal of this project is to use Functional Magnetic Resonance Imaging (fMRI) to characterize the influence of affective dysregulation on executive function in unipolar major depression.  
Role: Principal Investigator
- University of North Carolina at Chapel Hill Junior Faculty Development Award 2008  
"Psychophysiology of Autism"  
Role: Principal Investigator
- UNC IDDRC Pilot Imaging Awards (PI: Dichter) 2007,2008  
These awards support pilot data acquisition to support larger-scale neuroimaging research projects.  
Role: Principal Investigator
- Autism Speaks Pilot Research Award (PI: Penn) 2007-2009  
"Social Cognition and Interaction Training for Adolescents with High Functioning Autism"  
The goal of this treatment development award is to investigate a group-based cognitive behavioral intervention to improve social-cognitive functioning in adolescents with high-functioning autism (HFA).  
Role: Co-Investigator
- NARSAD (PI: Smoski) 2007-2009  
Young Investigator Award  
"Brain Imaging of Psychotherapy for Depression in Older Adults"  
This project uses fMRI to examine the effects of behavioral activation treatment for geriatric depression.  
Role: Co-Investigator
- NICHD T32-HD40127 (PIs: Piven, Roberts) 2004-2006  
"Postdoctoral Research in Neurodevelopmental Disorders"  
The goal of this project is to train postdoctoral trainees for research in neurodevelopmental disorders.  
Role: Post-Doctoral Trainee
- NIMH R01MH063852 (PI: Weissman) 2001-2003  
"Children of Depressed Mothers: a STAR\*D Ancillary Study"  
This project addresses the impact of remission of maternal depression on children's functioning.  
Role: Project Coordinator and Psychiatric Interviewer

- American Psychological Association “Science Directorate Dissertation Research Award” 2002  
To assist outstanding graduate students with completion of dissertation research.  
Role: Pre-Doctoral Scholar
- Martin Seligman Research Alliance “Positive Psychology Dissertation Award” 2002  
To assist promising graduate students conduct positive psychology research.  
Role: Pre-Doctoral Scholar
- NIMH T32 MH18921 Predoctoral Training Fellowship (PI: Garber) 1999-2001  
“Predoctoral Training in Developmental Psychopathology”  
This training grant will prepare predoctoral trainees for research in developmental psychopathology.  
Role: Pre-Doctoral Trainee

### **TRAINEE GRANTS / AWARDS**

- Erin Walsh, PhD** (Assistant Professor of Psychiatry) 2017-2020  
UNC CTSA KL2 Scholar (“Inflammation as a Candidate Mediator of Anhedonia Treatment Response”)
- Rachel Greene** (clinical psychology graduate student) 2018  
CIDD Trainee Research Award
- Rachel Greene** (clinical psychology graduate student) 2018  
David Zeaman Graduate Award, 51st Annual Gatlinburg Conference
- Maya Mosner** (clinical psychology graduate student) 2017  
IMFAR Student Travel Award
- Rachel Greene** (clinical psychology graduate student) 2017  
IMFAR Student Travel Award
- Jessica Kinard, PhD** (T32 postdoctoral fellow) 2017  
IMFAR Trainee Travel Award
- Erin Walsh, PhD** (postdoc) 2016-2018  
Mind and Life Institute, “Mindfulness-Based Stress Reduction and early life abuse: Does attenuating inflammation reduce depressive symptoms and interpersonal dysfunction?”
- Maya Mosner** (clinical psychology graduate student) 2017  
Psi Chi Teaching Award (UNC Psi Chi chapter)
- Maya Mosner** (clinical psychology graduate student) 2016  
Autism Science Foundation Accelerator Award: “Using Experience Sampling to Evaluate the Effects of Social Skills Treatment in Autism” (<https://www.cidd.unc.edu/docs/ASF%20Grant.pdf>)



<b>Rachel Greene</b> (clinical psychology graduate student) Autism Science Foundation Accelerator Award: "The Effects of Oxytocin on Functional Neural Connectivity in Autism" ( <a href="https://www.cidd.unc.edu/docs/ASF%20Grant.pdf">https://www.cidd.unc.edu/docs/ASF%20Grant.pdf</a> )	2016
<b>Maya Mosner</b> (clinical psychology graduate student) UNC Graduate School Summer Research Fellowship	Summer, 2016
<b>Miranda Sullivan:</b> Summer Undergraduate Research Fellowship (SURF) recipient;	2016
<b>Jasmine Shah</b> (undergraduate honors student): Lindquist Undergraduate Research Fund Grant	2016-2017
<b>Jessica Kinard, PhD</b> (postdoctoral fellow) UNC-CH Carolina Institute for Developmental Disabilities T32 postdoctoral fellow	2015-2017
<b>Jessica Kinard, PhD</b> (postdoctoral fellow) Graduate Education Advancement Board Impact Award	2015
<b>Rachel Greene</b> (clinical psychology graduate student): NC TraCS grant: "An Evaluation of Eyetracking as a Treatment Outcome Measure for Autism."	2015
<b>Hannah Carl</b> (honors student): Undergraduate Research Support Office Travel Grant Funds for travel to present her honors thesis work at the 2015 Society for Biological Psychiatry in Toronto.	2015
<b>Jessica Kinard, PhD</b> (postdoctoral fellow) UNC Joanne Erwick Roberts Early Career Award	2014
<b>Sean McWeeny</b> (honors student): David Bray Peele Memorial Research Award "Development of a Novel Measure of Social Motivation in Autism"	2014-2015
<b>Devin Gibbs</b> (UNC medical student) Alpha Omega Alpha Honor Medical Society summer fellowship and Office of Medical Student Research summer fellowship award. Role: Research Mentor.	summer, 2014
<b>Julia Katz</b> (UNC medical student) Office of Medical Student Research Administrator summer fellowship award. Role: Research Mentor.	summer, 2014
<b>Sean McWeeny</b> (honors student): Summer Undergraduate Research Fellowship (SURF) recipient;	2014
<b>Jared Minkel, PhD</b> (post-doc): NIH Loan Repayment Program	2013
<b>Cara Damiano</b> (PhD student): UNC Earl and Barbara Baughman Dissertation Research Award	2013
<b>Cara Damiano</b> (PhD student): UNC Dissertation Completion Fellowship	2013-2014

<b>Megan Kovac</b> (PhD student): UNC Jessie Ball DuPont Dissertation Fellowship	2013-2014
<b>Megan Kovac</b> (PhD student): UNC Royster Fellowship	2013-2014
<b>Dana Kelley</b> (medical student): Medical Student Research summer fellowship award.	2013
<b>Dillon Cockrell</b> (undergraduate): Dashiell-Thurstone Award for best undergraduate honors thesis	2013
<b>Cara Damiano</b> (PhD student): IMFAR Travel Award	2013
<b>Cara Damiano</b> (PhD student): Autism Speaks Weatherstone Predoctoral Fellowship	2012-2014
<b>Jeremy Ford</b> (medical student) Office of Medical Student Research Administrator summer fellowship award. Role: Research Mentor.	2012
<b>Nathan Yarnal</b> (medical student) Office of Medical Student Research Administrator summer fellowship award. Role: Research Mentor.	2012
<b>Cara Damiano</b> (PhD student): UNC Graduate School Graduate Tuition Incentive Scholarship	2012
<b>Anna Sabatino</b> (PhD student): Summer Research Fellowship, UNC Graduate School	2012
<b>Anthony Richey, PhD</b> (post-doc): NIH Loan Repayment Program	2011
<b>Joey Aloï (honors student)</b> : Summer Undergraduate Research Fellowship (SURF) recipient;	2011
<b>Dillon Cockrell (honors student)</b> : Summer Undergraduate Research Fellowship (SURF) recipient;	2011
<b>Stacy Greeter, M.D. (med student)</b> : Scott Schwirck and Howard Hughes Institute Fellowships	2009-2010
<b>Doug Romney (medical student)</b> : Medical Student Research Program fellowship award	2010

### Teaching Assistantships

Social Psychology, Vanderbilt University,	Fall, 2000
Introduction to Psychology, Vanderbilt University,	Spring, 2001

### Course Coordinator:

2015-present: AHSC 915 (Fall) / AHSC 916 (Spring): Development Disabilities: Current Research and Practice I and II

2014-present: NBIO 800 (Fall) / NBIO 801 (Spring): Gene-Brain-Behavior Interactions in Neurodevelopmental Disorders

### **Conference / Workshop / Seminar Organizer**

- 2018: Organizer and Chair, Greensville AHEC Workshop, "Evidence-Based Services for ASD and Related Disorders Across the Lifespan"
- 2017: Program Committee and co-chair (with Lucina Uddin, PhD) of "Social Cognition and Social Behavior", 2017 International Meeting for Autism Research (IMFAR)
- 2017: Organizer and Chair, Greensboro AHEC Workshop, "Evidence-Based Services for ASD and Related Disorders Across the Lifespan"
- 2016: Organizer and Chair, Greensboro AHEC Workshop, "Evidence-Based Services for ASD and Related Disorders Across the Lifespan"
- 2015-present: Carolina Institute for Developmental Disabilities LEND Research Seminar
- 2012-2017: Carolina Institute for Developmental Disabilities Journal Club
- 2007-2017: Organizer of the UNC Intellectual and Developmental Disabilities Research Center (IDDRC) Investigator Forum

### **PROFESSIONAL SERVICE**

#### **Editorial Boards:**

- 2016-present, *Journal of Clinical Child and Adolescent Psychology*
- 2015-present, *Frontiers in Human Neuroscience*
- 2015-present, *Journal of Autism and Developmental Disorders*
- 2013-present: *PLoS ONE*
- 2012-present: *Journal of Neurodevelopmental Disorders*

#### **Guest Editor, *Journal of Neurodevelopmental Disorders***

*Thematic Issue on "Reward Processing in Autism"*, 2012

[http://www.ineurodevdisorders.com/series/reward\\_processing](http://www.ineurodevdisorders.com/series/reward_processing)

**Manuscript Reviewer:** Archives of General Psychiatry; Autism: International Journal of Research and Practice; Biological Psychiatry; Biological Psychology; Brain and Behavior; Cerebral Cortex; Cognition; Development and Psychopathology; Emotion; Genes; Human Brain Mapping; International Journal of Psychophysiology; JAMA Psychiatry; Journal of Attention Disorders; Journal of Autism and Developmental Disorders ; Journal of Child Psychology and Psychiatry; Journal of Child Psychology and Psychiatry; Journal of Clinical and Experimental Neuropsychology; Journal of Neural Transmission; Journal of Psychophysiology; The Lancet Psychiatry; Neurocase; Neuropsychologia; Neuropsychopharmacology; Neuroscience Letters; PLOS ONE; Progress in Neuro-Psychopharmacology & Biological Psychiatry; Psychophysiology

#### **NIH Working Groups**

- 1) NIMH "RDoC 2.0" Working Group (November, 2017)
- 2) NIMH Childhood Irritability and the Pathophysiology of Mental Illness Workgroup, February, 2014
- 3) NIMH Research Domain Criteria Social Processes Workgroup, February, 2012
- 4) NICHD Visioning Process Cognition Workgroup; March, 2011

### **Grant Reviews**

- September, 2017: NIMH Interventions Special Emphasis Panel: Development of Psychosocial Therapeutic and Preventive Interventions for Mental Disorders
- June, 2017: NIMH Interventions Special Emphasis Panel: Development of Psychosocial Therapeutic and Preventive Interventions for Mental Disorders
- February, 2017: NIMH Interventions Biomarkers Special Emphasis Panel
- November, 2016: NIMH Special Emphasis Panel: Early Phase Clinical Trials
- November, 2015: NIMH Emerging Technologies and Training Neurosciences Integrated Review Group (Connectomes Related to Human Disease (U01); ETTN-H(55))
- March, 2015: NIMH Emerging Technologies and Training Neurosciences Integrated Review Group (Connectomes Related to Human Disease (U01): ETTN-H(55))
- October, 2014: NIMH Special Emphasis Panel/Scientific Review Group 2015/01 Adult Psychopathology and Disorders of Aging (APDA) and 2015/01 ZRG1 BBBP-X (61)
- 2014: The Wellcome Trust, London, England; Sir Henry Wellcome Postdoctoral Fellowship Awards
- 2014/10 ZMH1 ERB-L (06) Z - NIH, K99 Pathway To Independence Awards
- 2014: NIMH ZMH1 ERB-L (02), K99 Pathway To Independence Awards
- 2013: NIMH Child Psychopathology and Developmental Disabilities study section
- 2013: French National Research Agency
- 2012: NIMH ZMH1 ERB-L (07) S, Neural Processes Underlying Sex Differences Related to Risk and Resilience for Mental Illness
- 2012: NIMH 2012/01 ZMH1 ERB-L (01) S, K99 Pathway to Independence Awards
- 2012: Department of Defense Peer Reviewed Medical Research Program (PRMRP)
- 2011: MacArthur Foundation Fellows Program
- 2010: Special Emphasis Panel/Scientific Review Group 2010/05 ZMH1 ERB-L (03) S
- 2010: ZRG1 BBBP-J 58 R: Challenge Grants Panel 5
- 2010: ZRG1 BBBP-L (58) Center for Scientific Review Special Emphasis Panel
- 2010: ZMH1 ERB-S (A1) ARRA Autism Review #1
- 2010: ZMH1 ERB-B (A1) ARRA Autism Review #2
- 2010: ZMH1 ERB-C (A1) ARRA Autism Review #3

### **Other Professional Service:**

2017-present Simons Foundation SPARK Re-contacting Access Committee  
2016-2017 Program Committee, 2017 International Meeting for Autism Research (IMFAR)  
2013-present International Meeting for Autism Research (IMFAR) Awards Committee  
2011-present International Society for Autism Research (INSAR) Abstract Reviewer

### **Local Service/Committees/Administrative:**

2016-present Grant Reviewer, UNC Institutional CTSA KL2 Scholars Program  
2015-present UNC Department of Psychiatry, Tenure & Promotions reviewer  
2014-2015 UNC Neurobiology Curriculum Pierre Morell Research Day Abstract Referee  
2013 UNC Neurobiology Curriculum 1<sup>st</sup> Year Course Planning Committee

- 2013 UNC Biological and Biomedical Sciences Program Committee for Excellence in Recruiting  
2012-present Core Faculty and Co-Facilitator of Postdoctoral Didactics, T32 MH093315 ("Postdoctoral Training In Reproductive Mood Disorders"; PI's Rubinow & Girdler)  
2012-present Carolina Institute for Developmental Disabilities EEG Core Lab Oversight Committee  
2012-present Organizer, Carolina Institute for Developmental Disabilities Autism Journal Club  
2011-present Carolina Institute for Developmental Disabilities Eyetracking Core Oversight Committee  
2006-2014 Member, Scientific Review Committee, Duke-UNC Brain Imaging and Analysis Center

### **Membership in Professional Associations:**

- American College of Neuropsychopharmacology (ACNP)
- International Society for Autism Research (INSAR)
- Society of Biological Psychiatry

### **Peer-Reviewed Publications**

*\*\*Indicates trainee*

- 1) Greene, R.K. \*\*, Spanos, M.; Alderman, C.; Walsh, E. \*\*, Bizzell, J.; Mosner, M.G. \*\*, Kinard, J.L. \*\*, D Stuber, G.L.; Chandrasekhar, T.; Politte, L.C.; Sikich, L.; Dichter, G.S. (*in press*) " The Effects of Intranasal Oxytocin on Reward Circuitry Responses in Children with Autism Spectrum Disorder: Journal of Neurodevelopmental Disorders
- 2) Feliciano, P., et al. "SPARK: A US Cohort of 50,000 Families to Accelerate Autism Research." *Neuron* **97**(3): 488-493.
- 3) Mosner, M.G. \*\*, Kinard, J. \*\*, McWeeny, S. \*\*, Shah, J. \*\*, Markiewitz, N.D., Damiano-Goodwin, C.R. \*\*, Burchinal, M.R., Rutherford, H.J.V., Greene, R.K. \*\*, Treadway, M.T., & Dichter, G.S. (2017). Vicarious effort-based decision-making in Autism Spectrum Disorders. *Journal of Autism and Developmental Disorders*. PMID: [28699053](#)
- 4) Henry, T., **Dichter, G.S.**, & Gates, K., (in press). Age and gender effects on intrinsic connectivity in autism using functional integration and segregation. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.
- 5) Walsh, E.\*\*, Carl, H. \*\*, Eisenlohr-Moul, T., Minkel, J. \*\*, Crowther, A. \*\*, Moore, T. \*\*, Gibbs, D. \*\*, Petty, C., Bizzell, J., Smoski, M.J., & **Dichter, G.S.** (2017). Attenuation of frontostriatal connectivity during reward processing predicts response to psychotherapy in major depressive disorder. *Neuropsychopharmacology*. **42**(4):831-843. PMID: [27585739](#)
- 6) Benning, S.D., Kovac, M.\*\*, Campbell, A., Miller, S.\*\*, Hanna, E.K.\*\*, Damiano, C.R.\*\*, Sabatino-DiCriscio, A.\*\*, Turner-Brown, L., Sasson, N.J., Aaron, R.V., Kinard, J.\*\*, & Dichter, G.S.. (2016); Late Positive Potential ERP Responses to Social and Nonsocial Stimuli in Youth with Autism Spectrum Disorder; *Journal of Autism and Developmental Disorders*. **46**(9):3068-77. PMID: [27344337](#)

- 7) Kovac, M.\*\* , Mosner, M. \*\* , Miller, S. \*\* , Hanna, E.K. \*\* , & Dichter, G.S. (2016); Experience Sampling of Positive Affect in Adolescents with Autism: Feasibility and Preliminary Findings; *Research in Autism Spectrum Disorders*. 29-30:57-65. PMID: [28083073](#)
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## **Book Chapters**

- 1) Damiano, C.R., Mazefsky, C.A., White, S.W., & **Dichter, G.S.** (2017). Future directions for research in autism spectrum disorders. In M.J. Prinstein (Ed.), *Future Work in Clinical Child and Adolescent Psychology: A Research Agenda*. Routledge: Abingdon, United Kingdom.
- 2) Greene, R., Sasson, N., & **Dichter, G.S.** (2017); Eyetracking in Intellectual and Developmental Disorders Research, in Ellen Brazen (Ed.), *The SAGE Encyclopedia of Intellectual and Developmental Disorders*. SAGE Publications: Thousand Oaks, CA.
- 3) **Dichter, G.S.**, Smoski, M.J., Henderson, R.K., Dimidjian, S. (2013). Behavioral Activation as a Treatment for Depression: Theory, Neurobiologic Effects, and Potential Linkages to Resilience. In M. Kent, M.C. Davis, & J.W. Reich (Eds), *Handbook of Resilience Approaches to Stress and Trauma*. Routledge Publishing.
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- 6) Tomarken, A.J., **Dichter, G.S.**, Pendergrass, J.C. (1999). Psychological Assessment. In D. Levinson, J. J. Ponzetti & P. F. Jorgensen (Eds.), *Encyclopedia of Human Emotions* (Vol. 2, pp. 545-551). New York: Macmillan.

### **Non Peer-Reviewed Publications**

- 1) **Dichter, G.S.** (*in press*); Neuroscience Research for Psychiatry: The Brain and Behavior Link; *Psychiatric Times*;
- 2) **Dichter, G.S.** & Adolphs, R. (2012); Reward processing in autism: A thematic series. *Journal of Neurodevelopmental Disorders*; 4:20.
- 3) **Dichter, G.S.** & Coonrod, E.E. (2011); "Book Review: Autism Spectrum Conditions: FAQs on Autism, Asperger Syndrome, and Atypical Autism Answered by International Experts"; *Archives of Clinical Neuropsychology*; 26 (8): 790-791.
- 4) **Dichter, G.S.**, Felder, J., Smoski, M. (2008); Effects of Psychotherapy on Brain Function; [\*Psychiatric Times\*; Sept 1; 25\(10\)](#).
- 5) **Dichter, G.S.** (2008); How Psychotherapy Changes the Brain; *LA Psychiatrist*.

### **Media**

- 1) Stories about the CAN Lab's NIMH experimental therapeutics grant:  
<http://news.unchealthcare.org/news/2017/january/unc-receives-2-5-million-grant-to-explore-new-therapy-for-anhedonia> and  
[http://www.cidd.unc.edu/Newsletter/CIDD\\_Newsletter\\_Issue\\_FEB2017.pdf](http://www.cidd.unc.edu/Newsletter/CIDD_Newsletter_Issue_FEB2017.pdf)

- 2) CAN Lab NIMH grant, “A Simultaneous PET/MR Study of Striatal Dopamine Binding in Autism”, is highlighted in the September, 2016 CIDD newsletter: [http://www.cidd.unc.edu/Newsletter/CIDD\\_Newsletter\\_Issue\\_Sept2016.pdf](http://www.cidd.unc.edu/Newsletter/CIDD_Newsletter_Issue_Sept2016.pdf)
- 3) Quoted in APA Monitor’s story, “Scanning the Brain”: <http://www.apamonitor-digital.org/apamonitor/201609?folio=54&pg=59#pg59>
- 4) WRAL about UNC’s participation in SPARK: <http://www.wral.com/largest-ever-autism-study-searches-for-genetic-link/15681496/>
- 5) Story about UNC’s participation in the Simons Foundation SPARK genetics initiative: <http://news.unchealthcare.org/news/2016/april/unc-joins-launch-of-spark-nation2019s-largest-autism-research-study>
- 6) Dichter, Gibbs, & Smoski (2015) is cited as one most important or intriguing psychology articles of 2015: <http://psychcentral.com/blog/archives/2015/12/29/top-10-important-or-intriguing-psychology-articles-of-2015>
- 7) The Art of Clinical Science: <http://news.unchealthcare.org/news/2015/october/the-art-of-clinical-science>
- 8) Quoted in Simons Foundation story about effects of repeated scanning on brain connectivity: <http://spectrumnews.org/news/snapshots-reveal-striking-changes-in-adult-brain-over-time/>
- 9) Stories on “Resting-State Connectivity Predictors of Response to Psychotherapy in Major Depressive Disorder” by Crowther et al (2015): <http://www.healio.com/psychiatry/depression/news/online/%7Bd42c4aba-7774-4d0b-9854-27931c460c92%7D/imaging-scans-predict-efficacy-of-psychotherapy-for-depression> and <http://medicalxpress.com/news/2015-02-brain-scans-effectiveness-therapy-depression.html> and <http://news.unchealthcare.org/news/2015/january/brain-scans-predict-effectiveness-of-talk-therapy-to-treat-depression>
- 10) Stories on “Neural Mechanisms of Emotion Regulation in Autism Spectrum Disorder” paper by Richey et al (2015): <http://medicalresearch.com/mental-health-research/autism/brain-study-reveals-emotional-instability-foci-in-autism/11022/> and <http://medicalxpress.com/news/2015-01-mris-link-impaired-brain-inability.html> and <http://news.unchealthcare.org/news/2015/january/mris-link-impaired-brain-activity-to-inability-to-regulate-emotions-in-autism>
- 11) UNC 2014 Neuroscience of Youth Depression Datablitz discussant: <https://www.youtube.com/watch?v=h2EZi2qUUsI&feature=youtu.be>
- 12) Quoted in Simons Foundation story about impact of therapy on brain function in autism: <http://sfari.org/news-and-opinion/conference-news/2014/society-for-neuroscience-2014/therapy-for-autism-may-alter-brain-activity-behavior>
- 13) Autism Science Foundation blog post about fMRI studies in autism: <http://autismsciencefoundation.wordpress.com/2013/06/10/getting-a-picture-of-autism-what-weve-learned-from-neuroimaging-studies/>
- 14) CAN Lab graduate students Cara Damiano, Antoinette Sabatino, and Megan Kovac are highlighted in the 2013 CIDD newsletter: [http://www.cidd.unc.edu/newsletter/CI\\_Spring\\_2013.pdf](http://www.cidd.unc.edu/newsletter/CI_Spring_2013.pdf)

- 15) Autism Speaks blog post about Carolina Institute for Developmental Disabilities social skills clinic:  
<http://www.autismspeaks.org/blog/2012/07/31/social-skills-teenagers>.
- 16) CAN Lab projects are highlighted in the 2012 CIDD newsletter:  
[http://www.cidd.unc.edu/Newsletter/CI\\_Spring\\_2012.pdf](http://www.cidd.unc.edu/Newsletter/CI_Spring_2012.pdf)
- 17) Graduate student Cara Damiano is featured in an Autism Speaks blog post:  
<http://www.autismspeaks.org/blog/2012/07/10/autism-motivation-and-hard-work>
- 18) Quoted in Yahoo.com article on links between depression and impaired concentration:  
<http://shine.yahoo.com/vitality/9-reasons-why-cant-concentrate-185200449.html>
- 19) Lead story in Fall, 2011 issue of Carolina Institute for Developmental Disabilities *Inside the Institute*:  
[http://can.unc.edu/images/uploads/CIDD\\_Newsletter\\_Issue\\_8.pdf](http://can.unc.edu/images/uploads/CIDD_Newsletter_Issue_8.pdf)
- 20) Interviewed in [Simons Foundation article](#) on restricted interests in autism.
- 21) Featured on [NIH's ARRA website](#), "Dr. Gabriel Dichter and Dr. Stephen Benning: Measuring Emotions in Autism." May, 2011: <http://recovery.nih.gov/Stories/ViewStory.aspx?id=459>
- 22) Dana Foundation Interview, "Some With Depression May Lack 'Happiness Stamina'":  
<http://www.dana.org/news/features/detail.aspx?id=26684>.
- 23) Lead story in Fall, 2009 issue of the CIDD newsletter:  
[http://can.unc.edu/images/uploads/CIDD\\_Fall\\_Newsletter.pdf](http://can.unc.edu/images/uploads/CIDD_Fall_Newsletter.pdf)
- 24) Featured in QUEST TV story, "Illuminating Depression." Original Air Date: Tuesday, Sep 22, 2009.
- 25) Podcast: "Mapping the Effects of Therapy on the Brain - Freedom Radio interview with Dr. Gabriel Dichter:" [http://www.youtube.com/watch?v=ub\\_iIOZ3Xc&feature=youtube\\_gdata](http://www.youtube.com/watch?v=ub_iIOZ3Xc&feature=youtube_gdata)

### **Research Presentations**

\*\* Indicates trainee

- 1) Pallathra A.A., Day-Watkins J., Calkins M.E., Maddox B., Miller J., Parish-Morris J., Herrington J., Kangovi S., Tomlinson R., Creed T., Kerns C., Bilker W., Handy F., Connell J., Dichter G., Mandell D., Schultz R.T., Brodtkin E.S.: "Improvement in social functioning following participation in TUNE In, a novel cognitive-behavioral treatment program – results from a 2<sup>nd</sup> cohort of adults with ASD." (Poster presented at the International Society for Autism Research Meeting (INSAR), Rotterdam, Netherlands. May 11, 2018.)
- 2) Parish-Morris, J., Pallathra, A. A., Ferguson, E., Bateman, L., Cola M. L., Uh, S., Dravis, Z. M., Zoltowski, A., Pomykacz, A., Bassanello, K., Day-Watkins, J., Maddox, B. B., Miller, J., Dichter, G. S., Connell, J., Mandell, D. S., Schultz, R. T. , & Brodtkin, E. S. (2018, May). *The Effect of TUNE-in Treatment on Naturalistic Conversation in Adults with ASD: Speaking Rate Is a Temporal Marker of Rapport*. Poster presentation at the International Society for Autism Research, Rotterdam, Netherlands.

- 3) Greene, R.K. \*\*, Zheng S. \*\*, Kinard J.L. \*\*, Mosner M.G. \*\*, Kennedy D.P., & Dichter, G.S. (2018, April). *Social and Nonsocial Visual Outcome Prediction Errors in Autism Spectrum Disorder (ASD)*. Poster presented at the Gatlinburg Conference, San Diego, CA.
- 4) Smoski, M.J., Walsh, E., Daughters, S., Gaylord, S., Sideris, J., Lin, W., & Dichter, G.S. (2017, November). Reward processing changes in the treatment of anhedonia. Research and Professional Development panel presented at the Annual Meeting of the Association for Behavioral and Cognitive Therapies, San Diego, CA.
- 5) Greene, R.K. \*\*, Alderman, C., Spanos, M., Walsh, E. \*\*, Bizzell, J., Stuber, G.D., Politte, L.C., Sikich, L., & Dichter, G.S. (2017, November). Intranasal oxytocin increases reward circuitry responses to monetary rewards in children with autism. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington D.C.
- 6) Kinard, J.L. \*\*, Addicott, M., Mosner, M.G. \*\*, & Dichter, G.S. (May 2017). Neural mechanisms of social prediction errors in adolescents with ASD. Poster presented at the International Meeting for Autism Research (IMFAR), San Francisco, CA
- 7) Mosner, M.G. \*\*, Kinard, J.L. \*\*, McWeeny, S. \*\*, Shah, J.S. \*\*, Damiano, C.R. \*\*, Burchinal, M.R., Rutherford, J.V., Greene, R.G., Treadway, M.T., & Dichter, G.S. (May, 2017) Vicarious Effort-Based Decision-Making in Autism Spectrum Disorder. Poster presented at the International Meeting for Autism Research (IMFAR), San Francisco, CA.
- 8) Shah, J.S. \*\*, Mosner, M.G. \*\*, Kinard, J.L. \*\*, McWeeny, S. \*\*, Damiano-Goodwin, C.A. \*\*, Burchinal, M.R., Rutherford, H.J.V., Greene, R.K. \*\*, Treadway, M.T., & Dichter, G.S. (May, 2017). Hedonic Capacity Influences Motivated Behavior in Autism Spectrum Disorders. International Meeting for Autism Research (IMFAR), San Francisco, CA.
- 9) Greene, R.K. \*\*, Sullivan, M. \*\*, Brodtkin, E.S., Pallathra, A.A, Kinard, J. \*\*, Mosner, M.G. \*\*, Parish-Morris, J., Schultz, R.T., and Dichter, G.S. (May, 2017). Dynamic Eyetracking as a Measure of Treatment Response for an ASD Social Skills Intervention. International Meeting for Autism Research (IMFAR), San Francisco, CA.
- 10) Pallathra A.A., Day-Watkins J., Calkins M.E., Maddox B.B., Miller J.S., Parish-Morris J., Herrington J., Kangovi S., Tomlinson R., Creed T., Kerns C., Bilker W.B., Handy F., Connell J.E., Dichter G., Mandell D.S., Schultz R.T., Brodtkin E.S. (May, 2017) TUNE In, a Novel Cognitive Behavioral Treatment Program to Improve Social Functioning in Adults with ASD: Pilot Study Results. Poster presented at the International Meeting for Autism Research (IMFAR), San Francisco, CA.
- 11) Dichter, G.S., Crowther, A. \*\*, Minkel, J. \*\*, Moore, T., Keng, S.L., Ji, J.L., Eisenlohr-Moul, T.A., Walsh, E. \*\*, & Smoski, M.J., (May, 2016); Neural Mechanisms of Emotion Regulation in Major Depression and Implications for Psychotherapy Effectiveness. Society for Biological Psychiatry Annual Meeting, Atlanta, GA (Symposium: Neural and Behavioral Correlates of Impaired Emotion Regulation in Mood, Anxiety and Personality Disorders and Their Implications for Treatment).

- 12) Damiano, C.R. \*\*, Hanna, E. \*\*, Cockrell, D. \*\*, Dunlap, K.L. \*\*, Miller, S. \*\*, Kovac, M.L. \*\*, Turner-Brown, L., Kinard, J. \*\*, & Dichter, G.S., (May, 2016). Neural Mechanisms of Uncertainty Processing in Children with Autism Spectrum Disorder. International Meeting for Autism Research, Baltimore, Maryland.
- 13) Mosner, M. G. \*\*, Kinard, J. \*\*, McWeeny, S. \*\*, Damiano, C.R. \*\*, Burchinal, M.R., Rutherford, H.J.V., Treadway, M.T., & Dichter, G.S. (May, 2016). Effort-Based Decision-Making in Adolescents with Autism Spectrum Disorders. International Meeting for Autism Research, Baltimore, Maryland.
- 14) Jung, H.J., Mosner, M.G. \*\*, McLaurin, E., Hakimi, S., Parelman, J.M., Kinard, J., Chakraborty, P., Dichter, G.S., McKell Carter, R.M. (May, 2016); Co-opted Social Cognitive Neural Substrates in Autism During Strategic Gameplay. Poster presented at the Society for Biological Psychiatry Annual Meeting, Atlanta, GA.
- 15) Jung, H., Mosner, M. G. \*\*, McLaurin, R. E., Hakimi, S., Parelman, J. M., Kinard, J. \*\*, Chakraborty, P., Dichter, G.S., Carter, R. M. (2016, April). Testing for Co-opted Higher-Order Social Cognition in Autism. Oral presentation presented at the 86th Annual Convention of the Rocky Mountain Psychological Association, Denver, CO.
- 16) Crain, M., Walsh, E. \*\*, Crowther, A. \*\*, Dichter, G.S., & Smoski, M.J. (April, 2016); The Impact of Early Life Stress on Neural Network Dysregulation in Major Depressive Disorder in Adulthood. Annual Cognitive Neuroscience Society Meeting, New York, NY.
- 17) Dichter, G.S., Walsh, E. \*\*, Carl, H. \*\*, Petty, C., Bizzell, J., Sideris, J., Crowther, A. \*\*, Minkel, J. \*\*, & Smoski, M.J. (December, 2015); Functional Connectivity Predictors of Response to Behavioral Activation Therapy for Depression. ACNP Annual Meeting, Hollywood, Florida; (Symposium: Using Neural Connectivity Biomarkers in Major Depressive Disorder (MDD) to Identify Subtypes and Predict Treatment Response).
- 18) Dichter, G.S., Carl, H. \*\*, Petty, C., Bizzell, J., Schiller, C.E. \*\*, Sideris, J., Crowther, A. \*\*, Minkel, J. \*\*, Moore, T. \*\*, Gibbs, D. \*\*, Walsh, E. \*\*, & Smoski, M.J. (November, 2015); Endurance of neural response to rewards predicts response to psychotherapy. Association for Behavioral and Cognitive Therapies, Chicago, Illinois; (symposium co-chair; Title of symposium: Reward processing predictors of depression treatment response: Initial presentation of a clinical trial).
- 19) Schiller, C.E., Belger, A., Bizzell, J., Johnson, S., Schmidt, P., Dichter, G.S., & Rubinow, D. (December, 2015); Effects of Gonadal Steroids on Mood and Emotion Processing in Women with a History of Postpartum Depression. ACNP Annual Meeting, Hollywood, Florida;
- 20) Keng, S.-L.; Seah, S.T.H.; Smoski, M.J.; Tong, E.M.W.; Minkel, J.; Walsh, E.; Dichter, G.S.; Eisenlohr-Moul, T.A.; Evans, D.; Burris, J.; Button, D.; Bear, R.; Segerstrom, S.C.; DeWall, C.N.; Pond, R.; Fresco, D.M. (November, 2015); Advantages and Disadvantages of Trait Mindfulness in the Treatment of Depression via Behavioral Activation. Association for Behavioral and Cognitive Therapies, Chicago,

Illinois; (Title of symposium: Is Being Mindful Always Helpful? Trait Mindfulness and Related Processes as Moderators of Psychological, Health, and Interpersonal Outcomes).

- 21) Dichter, G.S., Carl, H. \*\*, Crowther, A. \*\*, Minkel, J. \*\*, Moore, T. \*\*, Gibbs, D. \*\*, Petty, C., Bizzell, J., Schiller, C.E. \*\*, Sideris, J., Walsh, E. \*\*, & Smoski, M.J. (May, 2015); Mesolimbic Predictors of Responses to Psychotherapy in Major Depression. Society of Biological Psychiatry, Toronto, Canada. (symposium co-chair; Title of symposium: Translational Studies of Motivational Deficits).
- 22) Dichter, G.S., Carl, H. \*\*, Crowther, A. \*\*, Minkel, J. \*\*, Moore, T. \*\*, Gibbs, D. \*\*, Petty, C., Bizzell, J., Schiller, C.E. \*\*, Sideris, J., Walsh, E. \*\*, & Smoski, M.J. (May, 2015); Endurance of Neural Response to Rewards Predicts Post-Treatment Depression Severity. Society of Biological Psychiatry, Toronto, Canada.
- 23) Watson, K.K., Miller, S., Hannah, E., Kovac, M., Damiano, C., Sabatino, A., Turner-Brown, L., Sasson, N., Platt, M., & Dichter, G.S. (May, 2015); Autism pay-per-view: Evidence for differential implicit reward value of social and nonsocial stimuli in children with autism from an econometric choice task. Society of Biological Psychiatry, Toronto, Canada.
- 24) Dichter, G.S., Miller, S., Hannah, E., Kovac, M., Campbell, A., Turner-Brown, L., Sasson, N., Kinard, J., Benning, S. (May, 2015); The Late Positive Potential ERP indicates Heightened Emotion Responses to Circumscribed Interest Stimuli in Youth with Autism Spectrum Disorder. Society of Biological Psychiatry, Toronto, Canada.
- 25) Damiano, C.R., Miller, S., Hannah, E., Kovac, M., Aloï, J., Cockrell, D., Turner-Brown, L., Dunlap, K., Burrus, C., Kinsey, E., Bizzell, J., Dichter, G.S. (May, 2015); Neural Mechanisms of Uncertainty in Children with Autism Spectrum Disorders. Society of Biological Psychiatry, Toronto, Canada.
- 26) Kovac, M. \*\*, Miller, S. \*\*, Hannah, E. \*\*, and Dichter, G.S. (May, 2015). Feasibility of Ecological Momentary Assessment of Emotion in Adolescents with Autism Spectrum Disorders. International Meeting for Autism Research. Salt Lake City, Utah
- 27) DiCriscio, A.S. \*\*, Miller, S. \*\*, Hannah, E. \*\*, and Dichter, G.S. (May, 2015). Cognitive control of visual attention in ASD and OCD in response to social and non-social stimuli. International Meeting for Autism Research. Salt Lake City, Utah.
- 28) Crowther, A. \*\*, Smoski, M.J., Minkel, J. \*\*, Moore, T. \*\*, Gibbs, D. \*\*, Petty, C., Bizzell, J., Schiller, C.E. \*\*, Sideris, J., Carl, H. \*\*, & Dichter, G.S. (November, 2014); Resting-State Connectivity Predictors of Response to Psychotherapy in Major Depressive Disorder. Society for Neuroscience, Washington, DC.
- 29) Dichter, G.S. (May, 2014). Neural Mechanisms and Psychophysiology of Emotion Regulation Impairments in Autism. Society for Biological Psychiatry, New York, NY (panel co-chair; Title of panel: Translational Studies of Irritability in Neurodevelopmental Disorders).



- 30) Moore, T. \*\*, Minkel, J. \*\*, Ji. L., Crowther, A. \*\*, Dichter, G.S., Smoski, M.J. (May, 2014). Anhedonia Linked to Decreased Reward Learning and Hypoactivation of Frontal Pole/OFC. Association for Psychological Science, San Francisco, CA.
- 31) Sweitzer, M., Kozink, R., Hallyburton, M., Kaiser, E., English, M., Addicott, M., Damiano, C.R., Dichter, G.S., Kollins, S. & McClernon, J.F. (February, 2014). Association between nicotine dependence severity and striatal response to reward among smokers with and without ADHD. Society for Research on Nicotine and Tobacco, Seattle, WA.
- 32) Crowther, A. \*\*, Minkel, J.\*\*, Schiller, C.\*\*, Sellers, K.\*\*, Kelley, D., Zhou, C.\*\*, Moore, T., Smoski, M., and Dichter, G.S. (November, 2013). Intrinsic Brain Connectivity and Response to Antidepressant Treatment. UNC Psychiatry Research Day.
- 33) Crowther, A. \*\*, Minkel, J.\*\*, Schiller, C.\*\*, Moore, T., Smoski, M., and Dichter, G.S. (November, 2013). Functional Brain Connectivity During Cognitive Reappraisal Predicts Antidepressant Treatment Response. UNC Psychiatry Research Day.
- 34) Richey, J.\*\*, Bodfish, J.W., Dichter, G.S. (November, 2013). Repetitive Behaviors Across the Disorders: A Trans-diagnostic Framework. Association for Behavioral and Cognitive Therapies , Nashville, TN.
- 35) Damiano, C.R.\*\*, Aloji, J. \*\*, Dunlap, K. \*\*, Burrus, C.J. \*\*, Kozink, R.V., McLaurin, E., Mullette-Gillman, O.M. Carter, R.M., Huettel, S.A., McClernon, F.J., Ashley-Koch, A.E., Dichter, G.S. (November, 2013). Association between the Oxytocin Receptor (OXTR) Gene and Mesolimbic Response to Rewards. UNC Psychiatry Research Day.
- 36) Damiano, C.R.\*\*, Hanna, E\*\*, Dunlap, K.\*\*, Cockrell, D.\*\*, Aloji, J.\*\*, Miller, S.\*\*, Dichter, G.S. (November, 2013). Written Praise Activates Mesolimbic Reward Circuitry in Autism. UNC Psychiatry Research Day.
- 37) Schiller, C.E. \*\*, Smoski, M., Minkel, J. \*\*, Dichter, G.S. (May, 2013). Neural Response to Loss Is Associated with Rumination in Remitted Major Depression. American Psychiatric Association, San Francisco, CA.
- 38) Damiano, C.R. \*\*, Zhou, Z. \*\*, Sellers, K.K. \*\*, Miller, S., Hanna, E. Kovac, M. Petty, C., Kozink, R., Froeliger, B., McClernon, F.J., and & Dichter, G.S. (May, 2013). Relations Between Resting State Functional Brain Connectivity and Autistic Traits in Neurotypical Adults. American Psychiatric Association, San Francisco, CA.
- 39) Richey, J.A., Bodfish, J.W., & Dichter, G.S. (November, 2013). The neural bases of circumscribed interests in autism spectrum disorder. 47th Annual Meeting of the Association for Behavioral and Cognitive Therapies, Nashville, TN.

- 40) Zhou, Z. \*\*, Cizek, B., Damiano, C.R. \*\*, Sellers, K.K. \*\*, Miller, S., Hanna, E. Kovac, M. Petty, C., Kozink, R., Froeliger, B., McClernon, F.J., and & Dichter, G.S. (March, 2013). Relations Between Resting State Functional Brain Connectivity and Multilocus Dopamine Scores in Neurotypical Adults. UNC Psychiatry Research Day.
- 41) Dichter, G.S., Schiller, C.E. \*\*, Minkel, J. \*\*, & Smoski, M.J. (December, 2012). Reward Circuitry Function in Euthymic Adults with a History of Major Depressive Disorder. American College of Neuropsychopharmacology, Hollywood, FL.
- 42) Smoski, M.J., Schiller, C., Keng, S.-L., & Dichter, G.S. (November, 2012). Trait Mindfulness is Associated with Reward Network Responsivity in Participants with and without a History of Major Depressive Disorder. The 46<sup>th</sup> Annual Convention of the Association for Behavioral and Cognitive Therapies. National Harbor - MD
- 43) Benning, S.D., Sabatino, A., Franklin, J.C., Sasson, N.J., Bodfish, J.W., & Dichter, G.S. (September, 2012). Startle Blink Modulation During Circumscribed Interest and Face Processing In Autism Spectrum Disorders. Society for Psychophysiological Research, New Orleans, LA.
- 44) Damiano, C.R, \*\* Aloj, J. \*\*, Treadway, M., Bodfish, J.W., & Dichter, G.S., (May, 2012). More EEfRT Than It's Worth? Effort-Based Decision Making in Autism Spectrum Disorders. International Meeting for Autism Research, Toronto, Canada.
- 45) Damiano, C.R, \*\* Aloj, J. \*\*, Treadway, M., Bodfish, J.W., & Dichter, G.S., (April, 2012). More EEfRT Than It's Worth? Effort-Based Decision Making in Autism Spectrum Disorders. UNC Psychiatry Research Day.
- 46) DeLapp, R, \*\* Bethea, T., Sikich, L. Alderman, C., Bodfish, JW., & Dichter, G.S. (April, 2012). A Pilot Study of the Effects of Aripiprizole on Repetitive Behaviors and Frontostriatal Brain Activation in Autism. UNC Psychiatry Research Day.
- 47) Sabatino, A. \*\*, Sasson, N., Bodfish, JW., & Dichter, G.S. (April, 2012). Eyetracking Studies of Social and Nonsocial Attention in Autism. UNC Psychiatry Research Day.
- 48) Smoski, M.J., Keng, S.L. \*\*, Rittenberg, A., & Dichter, G.S. (November, 2011). Depression History as a Moderator of Neural Activation to Reappraisal versus Mindful Acceptance. The 45th Annual Convention of the Association for Behavioral and Cognitive Therapies. Toronto, Canada.
- 49) Richey, J.A. \*\*, Dichter, G.S., Rittenberg A., Edmonson, R., Ratto, A\*\*. & Bodfish, J.W. (May, 2011). Disambiguating Reward Circuitry Function in Autism: New Insight into Social Cognition from a Three-Group fMRI study. International Meeting for Autism Research, San Diego, CA.
- 50) Sasson, N., Beaton, D. Dichter, G.S., Bodfish, J.W. (May, 2011); Adults with and without Autism Differ In Their Emotional Responses to Non-Social Images Related to Circumscribed Interests;” International Meeting for Autism Research, San Diego, CA.

- 51) Sabatino, A.\*\*, Bodfish, J.W., Dichter, G.S. (May, 2011); Individuals with Autism demonstrate Circumscribed Attention during passing viewing of competing Social and Non-Social Stimuli; UNC Psychiatry Research Day.
- 52) Sabatino, A.\*\*, Bodfish, J.W., Dichter, G.S. (March, 2011); Circumscribed Attention during passing viewing of competing Social and Non-Social Stimuli in Autism; International Meeting for Autism Research, San Diego, CA.
- 53) Greeter, S. \*\*, Sikich, L., Alderman, C., Rittenberg, A., Turner-Brown, L, Holtzclaw, T., Bodfish, J.W., Richey, J. \*\*, Dichter, G.S. (2010, May); fMRI of Citalopram Treatment in Autism. International Meeting for Autism Research, Philadelphia, PA.
- 54) Sabatino, A. \*\*, Rittenberg, A., Sasson, N. Bodfish, J.W., Dichter, G.S. (2010, May); Cognitive Control of Social and Non-Social Information in Autism: An fMRI Investigation. International Meeting for Autism Research, Philadelphia, PA.
- 55) Dichter, G.S.; Sabatino, A. \*\*, Sasson, N; Bodfish, J.W. (2010, May); Individuals with Autism Demonstrate Circumscribed Attention During Passing Viewing of Competing Social and Non-Social Stimuli. International Meeting for Autism Research, Philadelphia, PA.
- 56) Baranger, D. \*\*, Smoski, M., Dichter, G.S., McClernon, F.J. (2010, February); Smoking Withdrawal Is Associated With Increases In Brain Activation During Decision Making And Reward Anticipation. Society for Research on Nicotine and Tobacco Annual Meeting, Baltimore, MD.
- 57) Holtzclaw, T , Dichter, G.S., Lam, K.S.L., Turner-Brown, L., & Bodfish, J.W. (2009, May); Generativity Abilities Predict Communication Deficits but not Repetitive Behaviors in Autism Spectrum Disorders. International Meeting for Autism Research, Chicago, Ill.
- 58) Smoski, M.J., Felder, J., Bizzell, J., Green, S.R., Ernst, M., Lynch, T.R., & Dichter, G.S. (2009, May). Neuroimaging of Reward Processes in Major Depressive Disorder. Paper presented at Research Career Day, Duke University Medical Center, Durham NC.
- 59) Holtzclaw, T.N., Dichter, G.S., Lam, K.S.L., Turner-Brown, L.M., & Bodfish, J.W (February, 2009). Generativity Abilities Predict Communication Deficits but Not Repetitive Behaviors in Autism Spectrum Disorder, The Alabama Autism Conference.
- 60) Perry, T., Turner- Brown, L., Dichter, G.S., Roberts, D, Bodfish, J.W. & Penn, D (May, 2008). A Pilot Study of Social Cognition Training for Adults with High-Functioning Autism: Implications for Measuring Clinical Change. International Meeting for Autism Research, London, England.
- 61) Carpenter K.\*\*, Dichter G.S., Belger A. (2008). Functional Neuroimaging of Social and Executive Processes in Individuals with Autism. Carnegie Mellon Symposium on Cognition: Development and Brain systems in Autism.

- 62) Carpenter, K \*\*, Dichter, G.S., & Belger, A. (May, 2008). Functional Neuroimaging of Social and Executive Processing in Individuals with High Functioning Autism. Society of Biological Psychiatry. Abstract 612.
- 63) Perry, T., Turner- Brown, L., Dichter, G.S., Roberts, D, Bodfish, J.W. & Penn, D (November, 2007). A Pilot Study of Social Cognition Training for Adults with High-Functioning Autism (SCIT-A). Association for Behavioral and Cognitive Therapies Convention, Philadelphia, PA.
- 64) Turner-Brown, L., Dichter, G.S., Roberts, D, Perry, T., Bodfish, J.W. & Penn, D. (May, 2007). Feasibility Of Social Cognition and Interaction Training For Adults With High Functioning Autism (SCIT-A). International Meeting for Autism Research, Seattle, Washington.
- 65) Dichter, G.S. & Belger, A. (May, 2007). Atypical modulation of cognitive control by arousal in autism. UNC Radiology-BRIC Research Symposium, Chapel Hill, North Carolina.
- 66) Dichter, G.S. & Belger, A. (October 2006). Emotion-attention interactions in schizophrenia: an fMRI investigation. Talk presented at Society for Neuroscience, Atlanta, GA.
- 67) Carter, J.D., Dichter, G.S., Kim, C. \*\* & Belger, A. (June, 2006). A mixed design fMRI paradigm to investigate both transient and sustained aspects of executive processing in schizophrenia. Twelfth Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy.
- 68) Dichter, G.S., Hills, K. \*\*, Belger, A (May 2006). Social Stimuli Interfere with Cognitive Control in Autism. 22nd Radiology Research Symposium, Chapel Hill, North Carolina.
- 69) Dichter, G.S. & Belger, A. (November 2005). Deficits in executive function but not gaze processing in autism. Talk presented at Society for Neuroscience, Washington, DC.
- 70) Dichter, G. S., Tomarken, A. J., Shelton, R. C., Sutton, S. K., Freid, C. M., & Bukenya, D. S. (June 2002). Affective Startle Modulation Before and After Antidepressant Treatment with Bupropion SR. New Orleans, Louisiana: Poster presented at the annual meeting of American Psychological Society.
- 71) Zald, D.H., El-Deredy, W., Boileau, I., Gunn, R., McGlone, F., Dichter, G.S., Dagher, A. (2002). Measurement of Dopamine Release during Expected and Unexpected Reward. Poster presented at the annual meeting of NeuroImaging and Human Brain Mapping.
- 72) Dichter, G.S. (October, 2001). An Introduction to Functional Magnetic Resonance Imaging (fMRI) Research in the Investigation of Unipolar Depression. Invited talk presented at the Annual Meeting of the Tennessee Psychological Association, Nashville, TN.
- 73) Dichter, G. S., Tomarken, A. T., Shelton, R. C., Freid, C., & Addington, S. (May 2001). Effects of Bupropion SR on dimensions of mood. New Orleans, Louisiana: Poster presented at the annual meeting of The American Psychiatric Association.

- 74) Salomon, R.M., Dichter, G.S., Morgan, V.L., Price, R.R., Kessler, R., Pickens, D.R., Wushensky, C. (May, 2001). Coherence Differences In Depression: An fMRI Investigation. Poster presented at the annual meeting of The Society of Biological Psychiatry, New Orleans, Louisiana.
- 75) Dichter, G.S. (November, 2000). The Use of Startle-Probe Methodology to Evaluate Psychopharmacological Treatment for Depression. Invited talk presented at the Annual Meeting of the Tennessee Psychological Association, Nashville, TN.
- 76) Dichter, G.S., Tomarken, A.T., Garber, J., and Simien, C. (June, 1999). Socioeconomic Status Predicts Frontal Brain Asymmetry Among High- and Low-Risk Adolescents. Poster presented at the 11th annual convention of the American Psychological Society Meeting, Denver, CO.
- 77) Dichter, G.S., Tomarken, A.J., Garber, J., Simien, C., Pendergrass, J.C. (August, 1999). Frontal Brain Asymmetry Predicts Severity of Maternal Depression and Family Markers of Psychopathology. Poster presented at the 107th annual convention of the American Psychological Association, Boston, MA.

### **Published Abstracts**

- 1) Dichter, G.S., Carl, H. \*\*, Crowther, A. \*\*, Minkel, J. \*\*, Moore, T. \*\*, Gibbs, D. \*\*, Petty, C., Bizzell, J., Schiller, C.E. \*\*, Sideris, J., Walsh, E. \*\*, & Smoski, M.J. (2015); Mesolimbic Predictors of Responses to Psychotherapy in Major Depression. *Biological Psychiatry*; May 1;77:13S-14S.
- 2) Carl, H.\*\*, Dichter, G.S., Crowther, A. \*\*, Minkel, J. \*\*, Moore, T. \*\*, Gibbs, D. \*\*, Petty, C., Bizzell, J., Schiller, C.E. \*\*, Sideris, J., Walsh, E. \*\*, & Smoski, M.J. (2015); Endurance of Neural Response to Rewards Predicts Post-Treatment Depression Severity. *Biological Psychiatry*; May 1;77:262S.
- 3) Watson, K.K., Miller, S., Hannah, E., Kovac, M., Damiano, C., Sabatino, A., Turner-Brown, L., Sasson, N., Platt, M., & Dichter, G.S. (2015); Autism pay-per-view: Evidence for differential implicit reward value of social and nonsocial stimuli in children with autism from an econometric choice task. *Biological Psychiatry*; May 1;77:191S-192S.
- 4) Dichter, G.S., Miller, S., Hannah, E., Kovac, M., Campbell, A., Turner-Brown, L., Sasson, N., Kinard, J., Benning, S. (2015); The Late Positive Potential ERP indicates Heightened Emotion Responses to Circumscribed Interest Stimuli in Youth with Autism Spectrum Disorder. *Biological Psychiatry*; May 1;77:192S.
- 5) Damiano, C.R., Miller, S., Hannah, E., Kovac, M., Aloï, J., Cockrell, D., Turner-Brown, L., Dunlap, K., Burrus, C., Kinsey, E., Bizzell, J., Dichter, G.S. (2015); Neural Mechanisms of Uncertainty processing in Children with Autism Spectrum Disorders. *Biological Psychiatry*; May 1;77:68S-69S.
- 6) Dichter, G.S., Benning, S., Sabatino, A., Richey, J.A. (2014). Neural Mechanisms and Psychophysiology of Emotion Regulation Impairments in Autism. *Society for Biological Psychiatry*, 75: 1S-401S.

- 7) Minkel, J., Moore, T., Ji, L., Dichter, G.S. & Smoski, M.J (2014). Psychomotor vigilance predicts insomnia severity but not depression severity in patients with major depression. SLEEP Annual Meeting Abstract.
- 8) Lisanby, S. H., Luber, B., Finck, D., Osman, M., Dichter, G. S., Fitzsimons, L., et al. (1997). Primate models of transcranial magnetic stimulation (TMS) effects. *Society of Biological Psychiatry*.
- 9) Lisanby, S. H., Luber, B., Osman, M., Finck, D., Dichter, G. S., Fitzsimons, L., et al. (1997). The effect of pulse width on seizure threshold during electroconvulsive stimulation (ECS). Association for Convulsive Therapy Scientific Program Abstract.
- 10) Nobler, M., Luber, B., Dichter, G. S., Katzman, G. P., Prudic, J., Devanand, D. A., et al. (1997). Effects of ECT electrode placement and stimulus dose on quantitative ictal EEG. Society of Biological Psychiatry Annual Meeting Abstract.
- 11) Brunelli, S. A., Brooks, S. O. P., Dichter, G. S., & Hofer, M. (1994). Two generations of selective breeding for ultrasonic vocalizations: Preliminary results. Annual Meeting of the International Society for Developmental Psychobiology Abstract.

**INVITED TALKS, COLLOQUIA, AND GRAND ROUNDS:**

- Duke Center for Autism and Brain Development (February, 2017)
- Autism 101: Empowering Ourselves to Support our Community, Co-sponsored by the UNC Campus Chapters of the Autism Society of North Carolina and Autism Speaks (January, 2017)
- Virginia Tech Center for Autism Research (November, 2016)
- University of Nevada at Las Vegas Department of Psychology colloquium and proseminar presentation (April, 2016)
- Medical University of South Carolina, Department of Neurosciences, Cognitive Neuroscience Symposium (November, 2015)
- Seaver Autism Center for Research and Treatment, Icahn School of Medicine at Mount Sinai (April, 2015)
- UNC Center of Excellence for Eating Disorders (May, 2015)
- Grand Rounds, Department of Psychiatry, Medical College of Georgia (February, 2015)
- UNC Behavioral Neuroscience Seminar Series (February, 2015)
- Cognitive Neuroscience Center, The University of Illinois at Chicago (January, 2015)
- UNC Neuroscience of Youth Depression Conference, Data Blitz Discussant (October, 2014)
- Sackler Institute at the NYU School of Medicine (May, 2014)
- Society of Biological Psychiatry Panel Co-Chair and Presenter, “Neural and genetic mechanisms of irritability: developmental perspectives” (May, 2014)
- UNC-Chapel Hill Department of Developmental Psychology speaker series (March, 2014)

- Association of University Centers on Disabilities (AUCD) Southeast Region Consortium Webinar (“An Introduction to Translational Neuroscience Approaches to Investigating Autism”) ([http://www.aucd.org/template/event.cfm?event\\_id=4484](http://www.aucd.org/template/event.cfm?event_id=4484)) (December, 2013)
- McLean Hospital/Harvard University Center for Depression, Anxiety and Stress Research (November, 2013)
- Autism and Developmental Disorders Research Program, Stanford University (November, 2013).
- UNC Carolina Institute for Developmental Disabilities T32 postdoctoral training seminar (October, 2013).
- Carolina Neuroscience Club, UNC-Chapel Hill (October, 2013).
- UNC Center for Developmental Science Carolina Consortium on Human Development (colloquium and proseminar) (September, 2013).
- Social Motivation Workshop, Center for Autism Research, Children's Hospital of Philadelphia (June, 2013).
- Yale Child Studies Center (May, 2013).
- Symposium in Neuroimaging, the Neuroimaging Center (NIC) at the University Medical Center Groningen, the Netherlands (April, 2013).
- University of Amsterdam, Amsterdam Center for the Study of Adaptive Control in Brain and Behavior (April, 2013).
- UNC-CH Department of Psychology: “The NIMH Research Domain Criteria (RDoC) Initiative”. (February, 2013).
- University of Texas Southwestern Medical Center Autism Center (October, 2012).
- Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (October, 2012).
- Duke University Medical Center Department of Psychiatry and Behavioral Sciences (October, 2012).
- Duke Central Regional Psychiatric Hospital (October, 2012)..
- UNC Carolina Institute for Developmental Disabilities Investigator Forum, Chapel Hill, NC (October, 2012).
- Department of Psychiatry, Dartmouth Medical School, Lebanon, NH (September, 2012).
- UNC Department of Psychiatry, “Overview of the NIMH Research Domain Criteria (RDoC) Initiative” (May, 2012).
- “fMRI of Emotion Regulation in Autism”; Talk given at the International Meeting for Autism Research, Toronto, Canada (May, 2012).
- Duke Center for Cognitive Neuroscience, Social Neuroscience Program, Duke University (April, 2012).
- Vanderbilt University Randolph Blake Early Career Award Symposium (March, 2012).
- Vanderbilt University Developmental Psychopathology proseminar (March, 2012).
- Caltech Emotion and Social Cognition Laboratory (Dr. Ralph Adolphs) (February, 2012).
- UCLA Center for Autism Research and Treatment (CART) Distinguished Lecture Series colloquium and proseminar (February, 2012).
- “Reward Processing In Autism”; Panel Chair, International Meeting for Autism Research, San Diego, CA (May, 2011).
- “Reward Processing In Autism Depends on What and When”; Talk given at the International Meeting for Autism Research. San Diego, CA (May, 2011).

- “Circumscribed Interests and Reward Circuitry Function in Autism”; UNC Psychiatry Research Day Young Investigator Symposium hosted by Dr. Tom Insel, NIMH Director (February, 2011)
- Duke Institute for Brain Sciences Addiction Research Group Seminar (February, 2011)
- Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (January, 2011).
- Duke-UNC Brain Imaging and Analysis Center (BIAC) Post-Baccalaureate Didactic Seminar (January, 2011).
- Duke Center for Cognitive Neuroscience Seminar: Mechanisms of Rapid Behavioral Change in Depression (October, 2010).
- NARSAD Healthy Minds Across America (October, 2010).
- Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (October, 2010)
- UNC-CH Interdisciplinary Autism Research Seminar (UNC SPHS 897) (March, 2010)
- UNC Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (October, 2009)
- UNC-CH Developmental Psychology Seminar Series (September, 2009)
- UNC-CH Division TEACCH International Winter Inservice (May, 2008)
- UNC-CH Division TEACCH Winter Inservice; (May, 2008)
- UNC Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (February, 2008)
- UNC-CH Division TEACCH International Winter Inservice (May, 2007)
- UNC-CH Division TEACCH Winter Inservice (May, 2007)
- UNC Center of Excellence for Research and Treatment of Bipolar Disorders Seminar Series (March, 2007)
- UNC Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (February, 2007)
- UNC-CH Division TEACCH International Winter Inservice (May, 2006)
- UNC-CH Division TEACCH Winter Inservice (May, 2006)
- Clinical Psychology Intern’s Research Seminar, Durham Veteran’s Affairs Medical Center (November, 2005)
- UNC Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (February, 2006)
- UNC-CH Neuroscience Center Tuesday Mini-Series, (January, 2006).
- UNC Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (February, 2005).
- Talk presented at Society for Neuroscience, Washington, DC., Atlanta (GA) (November, 2004).
- UNC Carolina Institute for Developmental Disabilities T32 Post-doctoral seminar (October, 2004)
- Annual Meeting of the Tennessee Psychological Association, Nashville, TN (April, 2003)
- Annual Meeting of the Tennessee Psychological Association, Nashville, TN (April 2002).

**Students/Trainees:**

**Postdoctoral fellows:**

- 2014-present: **Jessica Kinard, PhD**, functional neuroimaging of reward learning in autism spectrum disorders (2015-present, supported by UNC’s Carolina Institute for Developmental Disabilities T32 training program in neurodevelopmental disorders).



- 2014-2017: **Erin Walsh, PhD**, functional neuroimaging predictors of response to psychotherapy, supported by UNC's T32 Training Grant for Research in Complementary and Alternative Integrative Medicine.
- 2012-2015: **Jared Minkel, PhD**, functional imaging genetic predictor of psychotherapy response in major depressive disorder, funded via R21 MH094781. Currently Director of Behavioral Sleep Medicine, Department of Psychiatry, Rhode Island Hospital.
- 2011-2013: **Crystal E. Schiller, PhD**, neurocognitive biomarkers of hormone-mediated affective dysregulation. Funded via T32 MH093315. Currently Assistant Professor of Psychiatry, UNC-CH.
- 2009-2011: **John Richey, PhD**, functional neuroimaging of neurodevelopmental disorders, funded via T32-HD40127. Currently Assistant Professor of Psychology, Virginia Tech.

Junior Faculty / Graduate Students / Medical Students / Post-baccalaureate Students:

- 2017-present: **Erin Walsh, PhD**, Assistant Professor of Psychiatry, UNC-CH, supported by UNC's CTSA KL2 program ("Inflammation as a Candidate Mediator of Anhedonia Treatment Response in Women").
- 2017-present: **Li Wang, PhD**, Research Instructor, UNC-CH Department of Radiology, K01 mentorship team ("Volume-based Analysis of 6-month Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis")
- 2016-present: **Dianna Padilla, B.A., MPH** Graduate Student, Department of Maternal and Child Health & NC-LEND-supported trainee
- 2016-present: **Alissa Hopper, B.A.**, Allied Health Sciences Graduate Student & NC-LEND-supported trainee
- 2016-present: **Christine Peat, Ph.D.**, Assistant Professor of Psychiatry; UNC-CH Junior Faculty Mentoring Program Faculty Mentor.
- 2014-present: **Crystal E. Schiller, PhD**, Assistant Professor of Psychiatry, UNC-CH, K23 Mentorship team ("Effects Of Estradiol On Neural Reward System And Depression In The Perimenopause")
- 2014-present: **Rachel Greene, B.A.**; UNC-CH Clinical Psychology graduate student (eyetracking as an ASD outcome measure; fMRI of oxytocin treatment in ASD).
- 2013-present: **Maya Mosner, B.A.**; UNC-CH Clinical Psychology graduate student (effort-based decision making in ASD; fMRI of outcome prediction errors in adults with ASD).
- 2013-present: **Shuting Zhen, B.A.**; UNC-CH School Psychology graduate student (eyetracking studies of ASD).
- Fall, 2013: **Andrew Crowther**, UNC Neurobiology Curriculum rotation (genetic influences on intrinsic brain connectivity in major depressive disorder).
- 2013-2015: **Tyler Moore, B.A.**; Post-baccalaureate trainee in functional neuroimaging (supported by R21 MH094781 S1).
- 2012-2015: **Megan Kovac, M.A.**, UNC-CH School Psychology graduate student (electrophysiology of ASD; ecological momentary assessment in ASD).
- 2010-2015: **Cara Damanio, M.A.**; UNC-CH Clinical Psychology graduate student (fMRI of reward and uncertainty processing in ASD).

- 2008-2013: **Antoinette Sabatino, B.A.**, UNC-CH Development Psychology Graduate Student (eyetracking studies of ASD).
- Fall, 2012: **Brittney Ciszek**, UNC Graduate Program in Biological and Biomedical Sciences Program, (candidate dopamine genetics in depression).
- Winter, 2012: **Kristin Sellers**; UNC Graduate Program in Biological and Biomedical Sciences Program, rotation research advisor (intrinsic functional connectivity of ASD).
- Summer, 2013: **Dana Kelley**, Carolina Medical Student Research Program mentor
- Summer, 2012: **Nathan Yarnall**, Carolina Medical Student Research Program mentor
- Summer, 2012: **Jeremy Ford**, Carolina Medical Student Research Program mentor.
- Summer, 2010: **Doug Romney**, Carolina Medical Student Research Program mentor.
- 2009-2010: **Stacy Greeter, M.D.**, Scott Neil Schwirck Fellowship and Howard Hughes Medical Institute Fellowship.

#### Other Student Mentoring/Committees

- 2017-present, **Jenna Mchenry**, PhD (K99/R00 scholar, “Dissecting Preoptic Circuits that Regulate Social and Emotional States”); clinical training mentor.
- 2016-2018, **Alexander Tuttle**, PhD (CIDD T32 postdoctoral training program); clinical (secondary) mentor & T32 mentorship committee member
- Summer, 2016: **Benjamin Buck**, (UNC Clinical Psychology graduate student); Dissertation Proposal Committee
- Spring, 2016: **Rebecca Stephens** (UNC Developmental Psychology graduate student), Dissertation Defense Committee
- Spring, 2016: **Kelsey Ludwig** (UNC Clinical Psychology graduate student); Masters proposal and defense committee
- Spring, 2016: **Jasmine Shah**, Psych 395 (Independent Study) research mentor
- Spring, 2016: **Miranda Sullivan**, Psych 395 (Independent Study) research mentor
- Spring, 2016: **Rebecca Sukhu**, , Psych 395 (Independent Study) research mentor
- Fall, 2015: **Jennifer Yi** (UNC Clinical Psychology graduate student); Masters Proposal Committee
- Spring, 2015; **Casey D. Calhoun** (UNC Clinical Psychology graduate student); Dissertation Defense Committee
- Spring, 2015: **Rebecca Stephens** (UNC Developmental Psychology graduate student), Dissertation Proposal Committee
- Spring, 2015: **Joseph Shaffer** (UNC Neurobiology Curriculum), Dissertation Defense Committee
- Spring, 2015: **Jasmine Shah**, Psych 395 research mentor.
- Spring, 2015: **Nadia Peyravian**, Psych 395 research mentor.
- Fall, 2014-present: **Sallie Nowell**, M.S. CCC-SLP, Program of Study Committee (Division of Speech and Hearing Sciences)
- Fall, 2014-Spring, 2015: **Hannah Carl**, Duke Neuroscience Honors Thesis student (primary mentor)
- Fall, 2014: **Kristin Healey**; UNC-CH Clinical Psychology graduate student comprehensive exam committee.
- Fall, 2014: **Allison Meyer**; UNC-CH Clinical Psychology graduate student comprehensive exam committee.
- Summer, 2014, **Casey D. Calhoun**; Dissertation Proposal Committee.

- Spring, 2014: **Joseph Shaffer** (UNC Neurobiology Curriculum), Dissertation Proposal Committee
- Spring, 2013, **Elizabeth H. Andersen**; Neurobiology Curriculum Dissertation Committee.
- Fall, 2013 Chair of **Shaili Jha's** Neurobiology Curriculum Qualifying Exam Committee.
- Summer, 2013, Chair of **Elizabeth Andersen's** Neurobiology Curriculum Qualifying Exam Committee.
- Spring, 2013, **Esther Opmeer** dissertation committee, the University Medical Center Groningen, the Netherlands.
- Spring, 2013: **Joseph Franklin** (UNC Psychology Graduate Student) Dissertation Defense meeting
- Fall, 2013, **Casey Calhoun**, comprehensive paper, "Social pain theory and its potential applications for peer relations research".
- Fall, 2013, **Michelle Gonzalez**, comprehensive paper.
- 2012-2013: **Dillon Cockrell**, honors thesis mentor.
- 2012-2013: **Kaiti Dunlap**, honors thesis mentor.
- Summer, 2012: **Ashley Parr**, UNC Psych 395 research mentor
- Spring, 2012: **Joseph Franklin** (UNC Psychology Graduate Student) Dissertation Proposal meeting
- Winter, 2011: **Prosper Amponsah**, , UNC Psych 395 research mentor
- Winter, 2012: **Jasmine Thompson**, UNC undergraduate research mentor
- Spring, 2012: **Kent Lee**, honors thesis committee.
- Fall, 2011: **Michael Wheaton**, UNC-CH Clinical Psychology Graduate Program dissertation proposal committee: Affective Startle Modulation in OCD.
- Fall, 2011: **Joseph Franklin** (UNC Psychology Graduate Student) Masters defense meeting
- Fall, 2011-Spring, 2012: Psychology Honors mentor to **Joey Aloï** (highest honors).
- Fall, 2011-Spring, 2012: Psychology Honors mentor to **Ryan Delapp** (highest honors).
- 2011, **Elliott Robinson**, UNC Neurobiology Curriculum, qualifying exam committee member.
- 2011: **Collyn Murray**; Honors Thesis Committee member.
- 2011: **Allison Ratto**, M.S.; UNC-CH Clinical Psychology Comprehensive Paper committee"
- 2011, **Andrew Freeman**; UNC-CH Clinical Psychology Graduate Program Comprehensive Paper committee, "Kindling in Bipolar Disorder: Review of Neurobiological Mechanisms"
- Spring, 2010: **Rasagna Kosaraju**, UNC Psych 395 research mentor.
- Spring, 2010: **Caroline Oates**: UNC Psych 395 research mentor.
- Spring, 2010: **Joey Aloï**: UNC Psych 395 research mentor.
- Spring, 2010: **Ryan DeLapp**: UNC Psych 395 research mentor.
- Spring, 2010: **Dillon Cockrell**: UNC Psych 395 research mentor.
- Summer, 2010: **Issac Jabben**, UNC Psych 395 research mentor.
- Summer, 2010: **Sarah Hale**, UNC Psych 395 research mentor.
- Summer, 2010: **Ashley Parr**, UNC Psych 395 research mentor.
- Summer, 2010: **Kayla Finch**, UNC Psych 395 research mentor.
- Summer, 2010: **Joey Aloï**, UNC Psych 395 research mentor.
- 2010-2012: **Kimberly Hills**, Graduate Student, UNC Program in Neurobiology (Masters and Dissertation committees).
- Spring, 2010-Spring-2011: **Lauren Hughes**, Duke Psychology and Neuroscience Independent Research mentor.
- Spring, 2010 and Fall, 2010: **Sarah Townshend**, UNC Psych 395 research mentor

- Fall, 2009: **Priya Balagopal**, UNC Psych 395 research mentor.
- Fall, 2009: **Andrei Stefanescu**, UNC Psych 395 research mentor.
- Summer, 2009: **David Barranger**, Wesleyan University, summer internship in functional neuroimaging.
- 2009: **Margaret Shaffer**, summer internship in functional neuroimaging.
- Fall, 2009: **Faraaz Khan**, UNC Psych 395 research mentor.
- Spring, 2008: **Mary Beth Nebel**, UNC-CH Biomedical Engineering (Dissertation Committee).
- Summer, 2007: **Jeffrey Sibrack**, UNC Psych 395 research mentor.