

UNIVERSITY OF CALIFORNIA, DAVIS

Department of Psychiatry and Behavioral Sciences



Annual Report of Academic Activities
July 1, 2015—June 30, 2016

INTRODUCTION

Attached you will find the Department of Psychiatry and Behavioral Sciences Sixteenth Annual Report of Academic Activities. This report reflects the publications, presentations, research grants and community service of faculty members during the period July 1, 2015 through June 30, 2016. During this year faculty published peer-reviewed articles and books, book chapters and other non-peer reviewed publications. Only articles, book chapters, or books that were actually published during this time frame are included. Faculty within the department have been quite productive in terms of the number and quality of publications and their participation in national, regional and local scientific meetings and educational programs. In addition, faculty were involved in a number of community activities benefiting both the UC Davis and the greater Sacramento County communities.

Robert E. Hales, M.D., M.B.A.
Joe P. Tupin Professor and Chair

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Leonard Abbeduto, Ph.D.

Journal Articles

- 2015 Channell MM, McDuffie A, Bullard L, **Abbeduto L**. Narrative language competence in children and adolescents with Down syndrome. *Frontiers in Behavioral Neuroscience*. Oct 30;9:283.
- 2015 McDuffie A, Oakes A, Machalicek W, Stewart A, **Abbeduto L**. Play with objects in young males with fragile X syndrome. *Journal of Communication Disorders*, 53, 17-29.
- 2015 McDuffie A, Thurman AJ, Hagerman RJ, **Abbeduto L**. Symptoms of autism in males with fragile X syndrome: A comparison to nonsyndromic ASD using current ADI-R scores. *Journal of Autism and Developmental Disorders*, 45, 1925-1937.
- 2015 Thurman AJ, McDuffie A, Kover ST, Hagerman RJ, **Abbeduto L**. Autism symptomatology in boys with fragile X syndrome: A Cross-sectional developmental trajectories comparison with nonsyndromic autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 45, 2816-28132.
- 2016 Hessler D, Sansone SM, Berry-Kravis E, Riley K, Widaman K, **Abbeduto L**, Schneider A, Coleman J, Oaklander D, Rhodes K, Gershon R. The NIH Toolbox Cognitive Battery for Intellectual Disabilities: Three preliminary studies and future directions. *Journal of Neurodevelopmental Disorders*, 8, 35.
- 2016 Klusek J, McGrath SE, **Abbeduto L**, Roberts JE. Pragmatic language features of mothers with the FMR1 premutation are associated with the language outcomes of adolescents and young adults with fragile X syndrome. *Journal of Speech, Language, and Hearing Research*, 59, 49-61.
- 2016 Loveall SJ, Channell MM, Phillips BA, **Abbeduto L**, Conners FA. Receptive vocabulary analysis in Down syndrome. *Research in Developmental Disabilities*, 5, 161-172.
- 2016 McDuffie A, Machalicek W, Bullard L, Nelson S, Tempero-Feigles R, Castignetti N, **Abbeduto L**. A spoken language intervention for school-aged boys with fragile X syndrome. *American Journal on Intellectual and Developmental Disabilities*, 121, 236-265.
- 2016 McDuffie A, Oakes A, Machalicek W, Ma M, Bullard L, Nelson S, **Abbeduto L**. Early language intervention using distance video-conferencing: A pilot study of young males with fragile X syndrome and their mothers. *American Journal of Speech-Language Pathology*, 25, 46-66.

- 2016 Nordahl CW, Mello M, Shen AM, Shen MD, Vismara LA, Li D, Harrington K, Tanase C, Goodlin-Jones BL, Rogers SJ, **Abbeduto L**, Amaral DG. Methods for acquiring MRI data in children with autism spectrum disorder and intellectual impairment without the use of sedation. *Journal of Neurodevelopmental Disorders*, 8, 20.
- 2016 Oakes A, McDuffie A, Thurman AJ, Bullard L, **Abbeduto L**. Characterising repetitive behaviours in young males with fragile X syndrome. *Journal of Intellectual Disability Research*, 60, 54-67.

Book Chapters

- 2016 **Abbeduto L**, McDuffie A, Thurman A, Kover ST. *Language development in individuals with intellectual and developmental disabilities: From phenotypes to treatments*. In RM Hodapp and D Fidler (Eds.), International Review of Research in Developmental Disabilities, pp. 74-118. New York: Academic Press.
- 2016 McDuffie A, Thurman AJ, Moore MM, **Abbeduto L**. *Learning words in a social world: Impairments associated with autism spectrum disorder and fragile X syndrome*. In LR Naigles (Ed.), Innovative investigations of language in autism spectrum disorder. Washington, DC: American Psychological Association.

Abstracts and Presentations

- 2015 **Abbeduto L**. The UC Davis MIND Institute: Past, present, and future. Presentation, UC Davis MIND Institute Summer Institute on Neurodevelopmental Disorders, Davis, CA. August.
- 2015 Bullard L, Thurman AJ, **Abbeduto L**. Well-Being of Biological Mothers of Children with Fragile X Syndrome. Annual meeting of the Society for the Scientific Study of Behavioral Phenotypes, London. September.
- 2015 Channel M, Loveall S, Conners F, **Abbeduto L**. Normative Data on Measures Derived From Expressive Language Sampling in the Context of Narration. Poster to be presented at the annual meeting of the Association for Speech, Language, and Hearing Association, Denver, CO. November.
- 2015 Dunley K, Kover S, **Abbeduto L**. Sentence Comprehension and Phonological Memory in Boys with Fragile X Syndrome. Poster presented at the annual meeting of the Association for Speech, Language, and Hearing Association, Denver, CO. November.
- 2015 Kover S, Saffran J, **Abbeduto L**. Syntactic Comprehension in Boys with Fragile X Syndrome or Autism Spectrum Disorder: A Looking-While-Listening Study. Poster presented at the annual meeting of the Association for Speech, Language, and Hearing Association, Denver, CO. November.

- 2016 **Abbeduto L.** Novel Outcome Measures for Intellectual Disability Clinical Trials (Hessl D, Chair). Discussant for symposium presented at the annual Gatlinburg Conference on Research in Intellectual and Developmental Disabilities, San Diego, CA. March.
- 2016 **Abbeduto L**, McDuffie A, Thurman AJ. The Comorbidity of Fragile X Syndrome and Autism Spectrum Disorder: Failed and Potential Insights. Paper presented in symposium, Can Rare Disorders Pave the Way to Targeted Interventions for Autism Spectrum Disorders (ASD) and Intellectual Disability (ID)? Insights Gained from Fragile X Syndrome, Tuberous Sclerosis Complex, and Dup15q Syndrome (Jeste, S., Chair). Presented at the annual Gatlinburg Conference on Research in Intellectual and Developmental Disabilities, San Diego, CA. March.
- 2016 Bullard L, McDuffie A, Mello M, Banasik A, **Abbeduto L.** Parent-Implemented Spoken Language Intervention for Boys with FXS. Symposium presented at the annual Gatlinburg Conference on Research in Intellectual and Developmental Disabilities, San Diego, CA. March.
- 2016 Ezell JA, Matherly S, O'Connor S, Thomas C, **Abbeduto L**, Roberts JE. Prevalence and Predictors of Anxiety Disorders in Adolescent and Adult Males with Fragile X Syndrome. Poster presented at the 49th Annual Gatlinburg Conference, San Diego, CA. March.
- 2016 Faught GG, Conners FA, Merrill EC, **Abbeduto L.** Cross-Sectional Trajectories of Language Development in Youth with Down Syndrome. Poster presented at the 49th Annual Gatlinburg Conference, San Diego, CA. March.
- 2016 Josol CK, Cooper EC, Thurman AJ, McDuffie A, **Abbeduto L.** Autism symptom severity in fragile X syndrome: Effects of ADOS Module. Poster presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA. March.
- 2016 Matherly S, Roberts JE, Thurman AJ, McDuffie A, **Abbeduto L.** Effect of Anxiety Disorders on Functional Daily Living Skills in Young Adult Males with Fragile X Syndrome. Poster presented at the 49th Annual Gatlinburg Conference, San Diego, CA. March.
- 2016 Nelson SN, Tempero Feigles R, Gunther J, Sterling A, McDuffie A, **Abbeduto L.** The Relationship between ADOS and CARS for Males with FXS. Poster presented at the 49th Annual Gatlinburg Conference, San Diego, CA.
- 2016 Tungate AS, Conners FA, **Abbeduto L**, Merrill EC, Faught GG. Language and Phonological Memory Development Over Two Years in Down Syndrome. Poster presented at the 49th Annual Gatlinburg Conference, San Diego, CA. March.

2016 Ezell J, McGrath S, O'Connor S, **Abbeduto L**, Roberts JE. Prevalence and Predictors of Anxiety Disorders in Adolescent and Adult Males with Autism Spectrum Disorder and Fragile X Syndrome. Poster presented at International Meeting for Autism Research, Baltimore, MD. May.

2016 O'Connor SL, McGrath S, Ezell J, Smith C, **Abbeduto L**, Roberts JE. Prevalence and Predictors of ADHD in Adolescent Males with FXS and ASD. Poster presented at International Meeting for Autism Research, Baltimore, MD. May.

Research Funding

PI/PD, *Expressive Language Sampling as an Outcome Measure in ASD*. Simons Foundation Autism Research Initiative, SFARI Award ID 383668, 9/1/15-11/30/15, \$124,984 (total costs).

PI/PD, *Language development in fragile X syndrome*. National Institute of Child Health and Human Development, R01 HD204356, 2/20/12-1/31/17, approx. \$2,600,000 (total costs).

PI/PD, *Expressive Language Sampling as an Outcome Measure*. National Institute of Child Health and Human Development, R01 HD074346, 3/1/13-2/28/2018, approx. \$3,000,000 (total costs).

PI/PD, *Expressive Language Sampling as an Outcome Measure*. National Institute of Child Health and Human Development, R01 HD074346-03S1, 12/1/15-2/28/2018, approx. \$1,000,000 (total costs). Note that this is a competitive supplement to R01.

PI/PD, *MIND Institute Intellectual and Developmental Disabilities Research Center*, National Institute of Child Health and Human Development, U54 HD079125, 9/24/13-6/30/18, \$6,500,000 (total costs).

PI/PD (MPI), *UC Davis MIND Institute Clinical Site for National Autism Cohort*, Simons Foundation Autism Research Initiative, 4/1/16-3/31/19, \$450,000 (total costs).

PI/PD, *Gatlinburg Conference on ID/DD*. National Institute of Child Health and Human Development, R13 HD084155, 1/15/16-12/31/2020, \$95,000 (total costs).

Community Service

Chair, Search Committee, Chief, Division of Child Development, Department of Pediatrics, UC Davis

Director, UC Davis MIND Institute

Member, Search Committee for Chair, Department of Pediatrics, UC Davis

Member, Executive Committee, Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities

Amy Barnhorst, M.D.

Journal Article

2016 Barnhorst A, Xiong G. Amphetamine-Related Psychiatric Disorders. *Medscape Drugs & Diseases*.

Presentations

- 2015 Presenter, California Psychiatric Association Annual Conference, California Firearm Law and Mental Illness: What Every Psychiatrist Needs to Know. San Diego, CA, September.
- 2015 Presenter, St. Francis Memorial Hospital Grand Rounds, Isla Vista and Beyond: Analysis of a Mass Shooting San Francisco, CA, October.
- 2015 Panel Member, Prosecutors Against Gun Violence Conference, Mass Shooting Panel, Portland, OR, October.
- 2016 Presenter, UC Davis Department of Psychiatry Grand Rounds, Firearm Violence and Mental Illness, Sacramento, CA, January.
- 2016 Presenter, UC Davis Mental Health Conference, Emergency Psychiatric Evaluations, Sacramento, CA, March.
- 2016 Presenter, Central California Psychiatric Association Annual Conference, Means Matter in Suicide Prevention, Monterey, CA, March.
- 2016 Presenter, Association of Threat Assessment Professionals, After the 5150: What the Mental Health System Can Do to Prevent Community Violence, Sacramento, CA, April.
- 2016 Presenter, Behavioral Health Center for Excellence, Firearm Violence and Mental Illness, Sacramento, CA, May.
- 2016 Presenter, Sierra Sacramento Medical Society Public and Environmental Health Committee, Firearm Violence and Mental Illness, Sacramento, CA, June.

Research Funding

Junior Faculty Development Award, from the UC Davis Department of Psychiatry to study the extent to which psychiatric residents in the United States are taught about means restriction for suicide prevention. \$50,000 for one year.

Community Service

Faculty Advisor, Wilderness Medicine Student Interest Group, UC Davis School of Medicine

Member, California Medical Society
Member, Consortium for Risk-Based Firearm Policy
Member, Sierra Sacramento Valley Medical Society Medical Clearance Subgroup
Member, Sierra Sacramento Valley Medical Society Mental Health Task Force
Peer Reviewer, *Health Affairs*
Peer Reviewer, *Psych Services*
Peer Reviewer, *Pharmacy and Therapeutics Journal*

Melissa D. Bauman, Ph.D.

Journal Article

- 2015 Weir RK, Forghany R, McAllister AK, Smith SE, Patterson PH, Schumann CM, **Bauman MD**. Preliminary evidence of neuropathology in nonhuman primates prenatally exposed to maternal immune activation. *Brain Behav Immun*. Aug;48:139-46. doi: 10.1016/j.bbi.2015.03.009. Epub Mar 24.
- 2015 Scott JA, Grayson D, Fletcher E, Lee A, **Bauman MD**, Schumann CM, Buonocore MH, Amaral DG. Longitudinal analysis of the developing rhesus monkey brain using magnetic resonance imaging: birth to adulthood. *Brain Struct Funct*. Jul 10.
- 2016 Ku KM, Weir RK, Silverman JL, Berman RF, **Bauman MD**. Behavioral Phenotyping of Juvenile Long-Evans and Sprague-Dawley Rats: Implications for Preclinical Models of Autism Spectrum Disorder. *PLoS One*. Jun 28;11(6).

Abstracts and Presentations

- 2015 Neuroimmune Mechanisms of Psychosis: The UC Davis Conte Center, Psychotic Disorders Conference; Sacramento, CA.
- 2015 Optimization of Golgi impregnation methods for analyses of dendritic complexity in human brain disorders (abstract), Society for Neuroscience; Washington DC.
- 2016 Polyl:C response is dependent on length: Implications for preclinical maternal immune activation models (abstract), Annual Meeting of the Society of Biological Psychiatry; Atlanta, GA.
- 2016 Prenatal risk factors for autism spectrum disorders: Advancing our understanding through integrated epidemiological and preclinical studies, Gatlinburg Conference; San Diego, CA.
- 2016 A rat model of maternal immune activation (abstract), Gatlinburg Conference; San Diego, CA.

Research Funding

- 1R21NS081487 (**Bauman MD**: PI) 9/1/12-8/30/15. NCE. Efficacy of a Novel Neuroprotective Compound in Nonhuman Primate. \$275,000 Total Direct.
- K18MH1005099 (**Bauman MD**: PI). 9/1/14-8/30/15. Social Functioning in Clinical Populations and Animal Models of Early Psychosis. \$77,635 Total Direct.
- R21HD080498 (**Bauman MD**: PI). 2/1/15-1/31/17. Pre-clinical evaluation of oxytocin for ASD treatment discovery. \$244,898 Annual Direct and Indirect.

BHCOE Pilot Award. (**Bauman MD**: PI). 4/1/15-3/30/16. Evaluating Gene x Environment Risk Factors for Neuropsychiatric Disorders in a Rat Model of Prenatal Immune Challenge. \$199,913 Total Direct.

P50 MH106438 (Carter C: PI, **Bauman MD**: Novel Model Systems Core Director). 4/1/15-3/30/20. Neuroimmune Mechanisms of Neuropsychiatric Disorders. \$587,362 Core Annual Direct and Indirect.

Community Service

Member, Big Ideas Review Committee, UC Davis Health System

Member, Research Advisory Committee, Department of Psychiatry, UC Davis

Member, Women in Medicine and Health Sciences (WIMHS), UC Davis Health System

Reviewer, *Brain Research*

Reviewer, *Cell Biology*

Reviewer, *Cell Reports*

Reviewer, *Cerebral Cortex*

Reviewer, *Hormones and Behavior*

Reviewer, *Journal of Neuroscience*

Reviewer, *Neurotoxicology*

Reviewer, *Neurotoxicology and Teratology*

Reviewer, *PLoS One*

Reviewer, *PNAS*

Emilie Bhe, M.D.

Community Service

Member, Adult Psychiatry Recruitment Selection Committee

Member, Educational Policy Committee

Member, EMR Inpatient and Specialty Physician User Group Committee

Member, 5150 Training Designee

Jacqueline N. Crawley, Ph.D.

Journal Articles

- 2015 Yang M, Lewis FC, Sarvi MS, Foley GM, **Crawley JN**: 16p11.2 deletion mice display cognitive deficits in touchscreen learning and novelty recognition tasks. *Learning and Memory* 22:622-632.
- 2015 Genestine M, Lin L, Durens M, Yan Y, Jiang Y, Prem S, Bailoor K, Kelly B, Sonsalla PK, Matteson PG, Silverman J, **Crawley JN**, Millonig JH, DiCicco-Bloom E. Engrailed-2 (En2) deletion produces multiple neurodevelopmental defects in monoamine systems, forebrain structures and neurogenesis, and behavior. *Human Molecular Genetics* 24:5805-5827.
- 2015 Ellegood J, **Crawley JN**: Behavioral and neuroanatomical phenotypes in mouse models of autism. *Neurotherapeutics* 12:521-533.
- 2015 Daimon CM, Jasien JM, Wood WH, Zhang Y, Becker KG, Silverman JL, **Crawley JN**, Martin B, Maudsley S: Hippocampal transcriptomic and proteomic alterations in the BTBR mouse model of autism spectrum disorder. *Frontiers in Physiology* 6:324.
- 2016 Kazdoba TM, Hagerman RJ, Zolkowska D, Rogawski MA, **Crawley JN**: Evaluation of the neurosteroid ganaxolone on social and repetitive behaviors in the BTBR mouse model of autism. *Psychopharmacology* 233:309-323.
- 2016 Leach PT, Hayes J, Pride M, Silverman JL, **Crawley JN**: Normal performance of Fmr1 mice on a touchscreen delayed non-matching to position working memory task. *eNeuro* 0143-15, 10.1523/ENEURO.0143-15.2016.
- 2016 Kazdoba TM, Leach TL, **Crawley JN**: Behavioral phenotypes of genetic mouse models of autism. *Genes, Brain and Behavior* 15:7-26.
- 2016 **Crawley JN**, Heyer WD, LaSalle JM. Autism and cancer share risk genes, pathways and drug targets. *Trends in Genetics*, 32: 139-146.
- 2016 Pearson B, **Crawley JN**, Eilam D, Pentkowski N, Summers C. Curiosity as an approach to ethoexperimental analysis: behavioral neuroscience as seen by students and colleagues of Bob Blanchard. *Neuroscience & Biobehavioral Reviews*, 15: 3(1).

Book Chapters

- 2016 Kazdoba TM, Leach PT, Yang M, Silverman JL, Solomon J, **Crawley JN**. Translational mouse models of autism: Advancing toward pharmacological therapeutics. *Translational Neuropsychopharmacology, Current Topics in Behavioral Neuroscience*, Editor Trevor Robbins, Springer.

Abstracts and Presentations

- 2015 Conte Center Neuroscience Seminar, Vanderbilt University, Nashville, TN, *Behavioral phenotyping strategies for mouse models of autism and neuropsychiatric disorders*, July 17.
- 2015 Keynote Lecture, Society for the Study of Behavioral Phenotypes, London, UK, *Mouse models of autism to understand causes and develop treatments*, September 5.
- 2015 Neuroscience Seminar, Children's Hospital Boston, Harvard University, Boston, MA, *Mouse models of autism to test hypotheses and discovery therapeutics*, September 9.
- 2015 Molecular Psychiatry Association, San Francisco, CA, *Mouse models of autism to test hypotheses, and for preclinical evaluation of potential therapeutics*, October 30-November 1.
- 2015 NIH Postdoctoral Research Associate Training Program 50th Anniversary Symposium, Bethesda, MD, *Mouse models of autism to test hypotheses about causes and to discover treatments*, November 6.
- 2016 Science Seminar, Institute for Pediatric Regenerative Medicine, Shriners' Hospital, Sacramento, CA, *Mouse models of autism to test hypotheses about causes and to discover effective therapeutics*, January 15.
- 2016 Department of Neuroscience Seminar, Baylor College of Medicine, Houston, TX, *Mouse models of autism to test hypotheses about causes and to discover effective therapeutics*, March 11.
- 2016 Neurotherapeutics Discovery and Development for Academic Scientists, Bethesda, MD, *Preclinical Behavioral Pharmacology*, March 17-19.
- 2016 Keynote Speaker, Fourth Annual Neuroscience Symposium, Kent State University, Kent, OH, *Mouse models of autism to test hypotheses about causes and to discover effective treatments*, April 8.
- 2016 TED-like Talk, Autism Science Foundation Afternoon of Learning, New York, NY, *What can we learn from mouse models of autism?*, April 14.
- 2016 Neuroscience seminar, Mt. Sinai School of Medicine, New York, NY, *Mouse models of autism to test hypotheses about causes and to discover effective therapeutics*, May 5.
- 2016 Elsevier Distinguished Lecturer, Fortieth Annual Meeting of the Developmental Toxicology Society, San Antonio, TX, June 27.

Research Funding

NINDS 1U54NS079202-01. CounterAct Center: Novel anticonvulsant and neuroprotective therapies for TETS and OP intoxication. (Lein P: PI, Crawley JN: Co-Investigator) 9/1/2012 – 8/31/17. The goal of this project is the evaluation of long-lasting effects of seizure-inducing environmental toxins on cognitive, anxiety-related and depression-related behaviors in mice and rats.

Simons Foundation SFARI #201223539. Characterization of brain and behavior in 7q11.23 duplication syndrome. (Osborne L, Crawley JN: Co-PIs) 01/01/2013 – 12/31/2015. The goal of this project is the investigation of behavioral phenotypes of 7q11.23 duplication mice.

Autism Speaks Targeted Proposal (Crawley JN, Sahin M, Jones: Co-PIs) 9/1/2013-8/31/2016. Preclinical Autism Consortium for Therapeutics (PACT). The goal of this project is to phenotype autism-relevant behaviors and physiology in four genetic mouse models of autism, to generate a platform for therapeutic discovery.

NIH NINDS R01 NS085709. Convergent Synaptic Mechanisms in Neurodevelopmental Disorders. (Crawley JN, Gall C, Lynch G: Co-PIs) 9/1/2013-8/31/2018. The goal of this project is to discover common downstream mechanisms in four mouse models of neurodevelopmental disorders with cognitive impairment.

NIH NICHD U54 5U54HD079125. Intellectual and Developmental Disabilities Research Center (Abbeduto L: PI, Crawley JN: Director, Rodent Behavior Core E) 9/24/2013-6/30/2018. The goal of this project is to develop and lead a Rodent Behavioral Core facility for MIND Institute and UC Davis users working on mouse and rat models of neurodevelopmental disorders.

Community Service

Chair, Infrastructure Committee, MIND Institute, UC Davis
Core E Director, IDDRRC Executive Committee, MIND Institute, UC Davis
Member, Autism Research Training Program Faculty, MIND Institute, UC Davis
Member, Editorial Board, *Autism Research* (2007-present)
Member, Editorial Board, *Annali dell'Istituto Superiore di Sanità* (2011-present)
Member, Editorial Board, *Behavioural Brain Research* (2003-present)
Member, Editorial Board, *Brain Plasticity* (2014-present)
Member, Editorial Board, *Current Opinion in Behavioral Sciences* (2013-present)
Member, Editorial Board, *Current Psychiatry Reviews* (2004-present)
Member, Editorial Board, *Genes, Brain and Behavior* (2001-present)
Member, Editorial Board, *Neuropeptides* (2011-present)
Member, Editorial Board, *Pharmacology Biochemistry and Behavior* (1988-present)
Member, Editorial Board, *Reviews in the Neurosciences* (2005-present)
Member, Editorial Board, *Trends in Pharmacological Sciences* (1990-present)
Member, Executive Committee, MIND Institute
Member, External Advisory Board, Italian Association for Autism Research
Member, External Advisory Committee, Boston Children's Hospital Intellectual and Developmental Disabilities Center
Member, External Advisory Committee, Functional Assessment Core, Gladstone

Institute, University of California San Francisco
Member, External Scientific Advisory Committee, Conte Center, Vanderbilt University
Member, External Scientific Advisory Committee, Innovative Medicines Initiative-
European Autism Interventions, IMI EU-AIMS
Member, External Scientific Advisory Committee, NIH Knockout Mouse Project 2
and International Mouse Phenotyping Consortium
Member, Faculty Membership Committee, MIND Institute, UC Davis
Member, Internal Advisory Committee, Mouse Biology Program, UC Davis
Member, Neuroscience Graduate Group Faculty, Center for Neuroscience, UC Davis
Member, NIH Developmental Brain Disorders Study Section
Member, RFA Review Committee for Campus Research Core Facilities, UC Davis
Member, Scientific Council, Brain and Behavior Research Foundation
(formerly National Alliance for Research on Schizophrenia and Depression, NARSAD)

Reviewer – Journal Manuscripts

Autism Research

Behavioral Neuroscience

Behavioural Brain Research

Cell

European Journal of Pharmacology

Genes, Brain and Behavior

Journal of Neurodevelopmental Disorders

Journal of Pharmacology and Experimental Therapeutics

Learning and Memory

Nature

Nature Genetics

Nature Neuroscience

Neuron

Neuropeptides

Neuropsychopharmacology

Pharmacology Biochemistry and Behavior

Psychopharmacology

Science

Science Translational Medicine

Trends in Pharmacological Sciences

Carolyn Sachiko Dewa, M.P.H., Ph.D.

Journal Articles (* indicates student/trainee)

- 2015 **Dewa CS** (Principal Author), Loong* D, Bonato S, Joosten* M. The Effectiveness of Return-To-Work Interventions that Incorporate Work-Focused Problem-Solving Skills for Workers with Sickness Absences Related to Mental Disorders: A Systematic Literature Review. *BMJ Open*. 5:e007122. doi:10.1136/bmjopen-2014-007122.
- 2015 **Dewa CS** (Co-Principal author), Hoch JS. Barriers to Mental Health Service Use among Workers with Depression and Work Productivity. *Journal of Occupational and Environmental Medicine*. 57(7):726-31.
- 2015 Stergiopoulos V, Schuler A, Nisenbaum R, deRuiter W, Guimond T, Wasylenki D, Hoch JS, Hwang SW, Rouleau K, **Dewa CS** (Co-author). The Effectiveness of an Integrated Collaborative Care Model Vs. a Shifted Outpatient Collaborative Care Model on Community Functioning, Residential Stability, and Health Service Use among Homeless Adults with Mental Illness: A Quasi-Experimental Study. *BMC Health Services Research*. 15(1):348. doi: 10.1186/s12913-015-1014-x.
- 2015 Hensel* J, Hensel R, **Dewa CS** (Senior responsible author). What Motivates Direct Support Providers to Do the Work They Do? *Journal of Intellectual and Developmental Disability*. 40(3): 297-303.
- 2016 **Dewa CS** (Principal author). Employment Benefits Receipt Among Public Disability Benefit Recipients in Ontario. *Community Mental Health Journal*. 52(2): 203-11.
- 2016 **Dewa CS** (Principal Author), Trojanowski* L, Joosten* M, Bonato S. Employer Best Practice Guidelines for the Return-to-Work of Workers on Mental Disorder-related Disability Leave: A Systematic Review. *Canadian Journal of Psychiatry*. 61(3): 176-185.
- 2016 Hensel* JM, Banayan* DJ, Cheng C, Langley J, **Dewa CS** (Senior responsible author). Client and Key Worker Ratings of Need in First Episode Psychosis Early Intervention Programs. *Early Intervention in Psychiatry*. 10(3): 246-51.
- 2016 **Dewa CS** (Principal Author), Trojanowski* L, Tamminga S, Ringash J, McQuestion M, Hoch JS. Advice to Peers and Employers from Head and Neck Cancer Survivors. *PLoS ONE*. 11(4): e0152944. doi: 10.1371/journal.pone.0152944. eCollection 2016.
- 2016 **Dewa CS** (Principal Author), Nieuwenhuijsen K, Sluiter J. How Does the Presence of High Need for Recovery Affect the Association Between Perceived High Chronic Exposure to Stressful Work Demands and Work Productivity Loss? *Journal of Occupational and Environmental Medicine*. 58(6): 617-22.

Invited Presentations

- 2015 Cost, Effectiveness and Cost-effectiveness of a Collaborative Mental Health Care Program for Individuals Receiving Short-Term Disability Benefits for Psychiatric Disorders. Trimbos Instituut, Utrecht, The Netherlands, July 3.
- 2015 Cost, Effectiveness and Cost-effectiveness of a Collaborative Mental Health Care Program for Individuals Receiving Short-Term Disability Benefits for Psychiatric Disorders. Maastricht University, Maastricht, The Netherlands, July 7.
- 2015 Mental Health: What Cost Data Are Important? *Early Psychosis: Prevention and Early Intervention Science Informing Policy Symposium*. Sacramento, CA, September 17.
- 2016 A Hidden Price to Dedication / Un prix caché au dévouement. *Government of Canada Human Resources Council/Conseil des Ressources Humaines*. Ottawa, Ontario, Canada, February 3.
- 2016 Barriers to Mental Health Service Use and Work Productivity Among Workers with Depression. *Behavioral Health Seminar*. RAND, Los Angeles, CA, April 25.

Research Funding

Cheng C, Langill G, Addington D, Archie S, Bedard T, **Dewa CS** (Co-I), Durbin J, Ford C, Jackson J, Lin E, Nadin S, Wickman D, Wilkinson N, Zufelt C. Evaluating Essential Components of Early Psychosis Intervention Programs (EPI) in Ontario (\$10,000 Canadian Institutes of Health Research (CIHR)), 2015-2016. The purpose of this grant was to identify the key components that contribute to the effectiveness of programs designed for early psychosis populations.

Loisel P, Anema JR, Baril R, Breslin CF, Bultmann U, Cassidy JD, Cooper JE, Corbiere M, Cote P, Coutu MF, **Dewa CS** (Co-Investigator), Dionne C, Durand MJ, Feuerstein M, Franche RL, Gagnon D, Guzman J, Hogg-Johnson S, Koehoorn MW, Krause N, Lambert C, Lippel K, Macheachen E, Mairaiux PM, Pransky GS, Rainville P, Scardamalia M, Shaw WS, Tompa E, Vezina N. (\$1,945, 000 CIHR Strategic Training Program in Work Disability Prevention Canadian Institutes of Health Research). 2009-20 The purpose of this multi-year, multi-national project was to support the development of new and young investigators interested in research related to the prevention and recovery from disability.

Dewa CS (PI), Trojanowski* L, Loong* D, Bonato S. How Does Physician Burnout Affect the Quality of Healthcare?: A Systematic Literature Review. (\$5,000 Gold Foundation Mapping the Landscape Program), 2015-2017. The purpose of this systematic review is to develop the foundation for future funding applications for projects that examine the burden of physician burnout.

Tompa E, MacEachen E, Neis B, Bornstein N, Banting K, Rioux M, Holness L, Loisel P, Facey M, **Dewa CS** (Co-I), Cote P, Koehoorn M, McLeod K, Calvert C, Ostry A, Lippel K, Baril-Gingras G, Boucher N, Bernier J, Laberge M. Income security and labour-market

engagement: Envisioning the future of disability policy in Canada (\$7.96 million Social Science and Humanities Research Council of Canada), 2013-2020. The purpose of this grant is to develop a program of research based on collaborations among the social sciences to understand policies and interventions that promote income securing and labor market engagement.

Dewa CS (Co-PI), Hoch JS, Jones J, Ringash J, McQuestion M. Measures of Work Productivity for Cancer Survivors who Return to Work. (\$46,648 Canadian Centre for Applied Research in Cancer Control), 2013-2016. The purpose of this project was to understand the work experiences of workers who have survived head and neck cancer. It is a pilot study to be the foundation for future work on the development and evaluation of new workplace interventions for these cancer survivors.

Dewa CS (PI). Economic Evaluation of Workplace Anti-stigma Programs. (Mental Health Commission of Canada), 2011-2017. The purpose of this grant is to conduct economic evaluations on stigma reduction programs that have been developed to address mental health stigma in workplaces.

Cheng C, **Dewa CS** (Co-I), Minore B, Fogolin J, Katt M. What are the mental health service needs of youth in Ontario who experience psychosis? (\$300,000 Sick Kids Foundation joint with CIHR-IHDCYH), 2012-2015. The purpose of this study was to identify the mental health service needs of youth living in rural and remote communities with an emphasis on aboriginal youth.

Corbière M, **Dewa CS** (Co-PI), Durand MJ, Fraccaroli F, Lecomte T, Sultan-Taïeb H, Zaniboni S. Factors associated with the work integration of people with severe mental disorders in social enterprises located in Canada. (\$443,285 Canadian Institutes of Health Research), 2012-2016. This funding was for a study to understand the work practices of social enterprises in two Canadian provinces and how they support the continued employment and mental health of people with serious mental illnesses and work disability.

Niendham T, Melnikow J, **Dewa CS** (Co-I). Evaluation of Outcomes and Associated Costs for Early Psychosis Programs: UC Davis Pilot & Statewide Method Development. (\$200,000 California Mental Health Services Act Oversight and Accountability Commission). 7/1/2015-6/30/2017. This evaluation seeks to identify and analyze EP program costs (i.e., costs expended to implement EP programs), outcomes associated with participation in the programs (e.g., change in hospitalization rates or length of stay following implementation of the program), and costs associated with those outcomes (e.g., costs associated with hospitalization) related to providing early psychosis programs in the state of California. The UC Davis SacEDAPT Clinic will be used as an exemplar of an EP program and this evaluation will examine its effectiveness within Sacramento County, which will be translated to a proposal for a statewide evaluation of EP programs.

Romano P, Bell PB, Duran T, Hoch JS, Fancher T, Henderson MC, Melnikow J, Shaikh U, Coulter K, Bertakis K, Schwarz EB, White RH, Albertson T, Byrd R, Joseph JG, Rainwater J, Tancredi DJ, Bang H, Feng B, Chantry C, **Dewa CS** (Mentor), Franks P, Fenton J, Jerant A, Drake C, Miglioretti DL, Garcia EFY, Hirsch C, Kravitz R, Tong E, Waetjen E, Young HM,

Berglund L, Meyers FJ, Freischlag JA, Schweitzer JB, Koog CD, Hogarth M, McCurdy SA, Rocke D, Holmes J, Greenier J, Hayashi SA, Kenyon NJ. Quality, Safety, and Comparative Effectiveness Research Training in Primary Care (QSCERT-PC). (\$2 million, United States Health Resources and Services Administration (HSRA) 1 T32HP30037-01-00), 2016-2021. The mission of QSCERT-PC is to prepare family physicians, general internists, general pediatricians, nurse practitioners, physician assistants, PhD-prepared nurses, and PhD-prepared social and quantitative scientists for careers as outstanding primary care researchers, focusing on quality and safety in primary care, and on the comparative effectiveness of primary care and system-level interventions.

Xiong G, Yellowlees P, **Dewa CS** (Co-I). A Pilot Study Examining Use of Asynchronous and Synchronous Telepsychiatry Consultation for Skilled Nursing Facility Residents. (\$200,000 Behavioral Health Center of Excellence at University of California, Davis), 4/2015-4/2017. This study examines use of telepsychiatry and compares real-time (synchronous) versus videotaped and later reviewed consultations in skilled nursing facilities. This study focuses on acceptability and feasibility and aims to collect pilot data for a future R01 study.

Dewa CS (PI). Mental Health Gatekeeper Training Pilot Project. (\$300,000 Behavioral Health Center of Excellence at University of California, Davis), 2016-2017. The purpose of this demonstration project is to evaluate the effectiveness of two training programs for university staff and faculty with regard to mental health knowledge, attitudes, and behavior. This project will serve as a pilot project for future grant applications.

Community Service

Ad Hoc Reviewer, *Addictions*

Ad Hoc Reviewer, *The American Journal of Managed Care*

Ad Hoc Reviewer, *The American Journal of Pharmacy Benefits*

Ad Hoc Reviewer, *BMC Psychiatry*

Ad Hoc Reviewer, *BMC Public Health*

Ad Hoc Reviewer, *Canadian Journal of Community Mental Health*

Ad Hoc Reviewer, *Canadian Journal of Public Health*

Ad Hoc Reviewer, *Canadian Medical Association Journal*

Ad Hoc Reviewer, *Clinical Therapeutics*

Ad Hoc Reviewer, *Community Mental Health Journal*

Ad Hoc Reviewer, *Disease Management and Health Outcomes*

Ad Hoc Reviewer, *Early Intervention in Psychiatry*

Ad Hoc Reviewer, *Health Policy*

Ad Hoc Reviewer, *Healthcare Policy*

Ad Hoc Reviewer, *International Journal of Public Health*

Ad Hoc Reviewer, *Journal of Clinical Epidemiology*

Ad Hoc Reviewer, *Journal of Epidemiology and Community Health*

Ad Hoc Reviewer, *Journal of Health Economics*

Ad Hoc Reviewer, *Journal of Mental Health*

Ad Hoc Reviewer, *Journal of Occupational and Environmental Medicine*

Ad Hoc Reviewer, *Journal of Occupational Health*

Ad Hoc Reviewer, *Journal of Occupational Rehabilitation*

Ad Hoc Reviewer, *Occupational Medicine*
Ad Hoc Reviewer, *Pharmacoeconomics*
Ad Hoc Reviewer, *Psychiatric Services*
Member, Editorial Board, *Canadian Journal of Psychiatry*
Member, Editorial Board, *Canadian Journal of Community Mental Health*
Member, Editorial Board, *Journal of Occupational Rehabilitation*
Member, Editorial Board, *Journal of Mental Health Policy and Economics*
Panel Reviewer, The Social Sciences and Humanities Research Council (SSHRC)/Canadian
Institutes of Health Research Healthy and Productive Work – Partnership Development
Grant, 2016

Caroline Giroux, M.D.

Book Chapter

- 2016 **Giroux C**, *Disaster Psychiatry*. In: Hategan A, Bourgeois JA, Hirsch C. On-Call Geriatric Psychiatry Handbook: Principles and Practice. Springer.
- 2016 **Giroux C**, Smith WE, *Psychotherapy Principles*. In: Hategan A, Bourgeois JA, Hirsch C. On-Call Geriatric Psychiatry Handbook: Principles and Practice. Springer.
- 2016 **Giroux C**, Veltman A, Gatkowsky L, Paech NK, *The Complaints of Physical and Sexual Trauma: A trauma-Informed Approach for Geriatric Patients*. In: Hategan A, Bourgeois JA, Hirsch C. On-Call Geriatric Psychiatry Handbook: Principles and Practice. Springer.

Community Service

Member, Editorial Committee, Sacramento Sierra Valley Medicine

Robert E. Hales, M.D., M.B.A.

Presentations

2016 Seymour Vestermark Award Lecture, American Psychiatric Association, May

Community Service

Editor-in-Chief, Books, American Psychiatric Publishing
Chair, Editorial Board, American Psychiatric Publishing
Chair, Practice Management Board, UC Davis Health System
Deputy Editor, *Journal of Neuropsychiatry and Clinical Neurosciences*
Member, Council of Chairs, UC Davis Health System
Member, Medical Staff Executive Committee, UC Davis Health System
Member, Practice Management Board Executive Committee, UC Davis Health System
Member, Quality Improvement Committee, Department of Psychiatry
Member, UC Davis-VA Northern California Strategic Planning Committee

County of Sacramento

Chair, Medication Monitoring Committee, Behavioral Health Division, Department of Health and Human Services, County of Sacramento
Chair, Pharmacy and Therapeutics Committee, County of Sacramento
Member, Executive Management Team, Behavioral Health Division, Department of Health and Human Services, County of Sacramento
Member, Quality Improvement Committee, County of Sacramento

Other

Distinguished Life Fellow, American Psychiatric Association
Fellow, American College of Psychiatrists
Member, Association for Academic Psychiatry
Member, California Medical Association
Member, Sacramento-El Dorado Medical Society
Reviewer, *American Journal of Psychiatry*
Reviewer, *Psychiatric Services*

Jaesu Han, M.D.

Journal Articles

- 2015 Reardon CL1, Bentman A, Cowley DS, Dunaway K, Forstein M, Girgis C, **Han J**, Hung E, Jones J, Keeble T, McCarron RM, Varley CK. General and Child and Adolescent Psychiatry Resident Training in Integrated Care: a Survey of Program Directors. *Academic Psychiatry*. Aug;39(4):442-7.
- 2015 McCarron RM, Bourgeois JA, Chwastiak LA, Folsom D, Hales RE, **Han J**, Rado J, Rivelli S, Scher L, Yu A. Integrated Medicine and Psychiatry Curriculum for Psychiatry Residency Training: a Model Designed to Meet Growing Mental Health Workforce Needs. *Acad Psychiatry*. Aug;39(4):461-5.

Abstracts and Presentations

- 2015 Onate J, **Han J**. The Core Exam for Psychiatrists: *Central California Psychiatric Association Annual Conference*. Monterey, CA.
- 2015 Vanderlip E, Raney L, **Han J**, Ward M, Rado, J, McCarron R, Annamalai A. Primary Care Skills for Psychiatrists: Smoking Cessation. *American Psychiatric Association Annual Meeting*. Atlanta, GA.
- 2015 **Han J**, Key Note: Transforming Health Care- What does it take? *Behavioral Health Integration Initiative Learning Session 1*. Ontario, CA.
- 2015 **Han J**, Panelist: UC Davis Campus Community Book Project: Health Inequities and the Homeless – Bridging the Gap.

Community Service

President, Association of Korean American Psychiatrists
Medical Director and Preceptor, UC Davis-affiliated Willow Clinic
Consultant, Medical Board of California
Member, Integrated Care Task Force, American Association of Directors of Psychiatric Residency (AADPRT)
Reviewer, *American Family Physician*
Reviewer, *Journal of Health Care for the Poor and Underserved*

David Hessler, Ph.D.

Journal Articles

- 2015 Cordeiro L, Abucayan F, Hagerman RJ, Tassone F, and **Hessler D**. Anxiety disorders in premutation carriers: Preliminary characterization of probands and non-probands. *Intractable and Rare Diseases Research* 4(3), 123-130.
- 2016 Wang JY, Ngo MM, **Hessler D**, Hagerman RJ, and Rivera SM. Robust machine learning-based correction on automatic segmentation of the cerebellum and brainstem. *PLoS ONE* 11(5): e0156123.

Abstracts and Presentations

- 2015 Hagerman RJ, **Hessler D**, Berry-Kravis E, Jacquemont S, Des Portes V, Wolf, Aposto G, Koumaras B, Stanfield A, and Von Raison F. Can we reverse intellectual and behavioral problems in adults with fragile X syndrome? *Journal of Intellectual Disability Research* 59 (9), 791.
- 2016 **Hessler D**, Sansone S, Berry-Kravis E, Gershon R, Riley K, Schneider A, Crestodina C, Rhodes K, and Oaklander D. The NIH Toolbox Cognitive Battery for intellectual disabilities: preliminary feasibility studies and future directions 49th Gatlinburg Conference on Research and Theory in Intellectual Disabilities. March, San Diego, CA.
- 2016 Sansone S, Berry-Kravis E, Crestodina C, McLennan Y, Hagerman R and **Hessler D**. Sensitivity of an eye tracking paradigm as an outcome measure in a fragile X syndrome targeted treatment clinical trial. 49th Gatlinburg Conference on Research and Theory in Intellectual Disabilities. March, San Diego, CA.
- 2016 **Hessler D**. Behavioral Assessment in Neurodevelopmental Disorder Clinical Trials: We Can Do Better! And Here's How (?). MIND Institute Research Seminar Series.
- 2016 **Hessler D**, Abbeduto L. Innovative approaches to improving language and cognition in fragile X syndrome. Keynote address at the 15th International Fragile X Conference, San Antonio, TX.

Research Funding

Cognitive Training for Fragile X Syndrome, The John Merck Fund: Developmental Disabilities Translational Research Grant, \$1,000,000, 2013-2016, Principal Investigator.

Trajectories and Markers of Neurodegeneration in Fragile X Premutation Carriers, NIMH - 2R01MH078041-06, \$2,970,846, 2013-2018, Co-Equal Principal Investigator.

A Cognitive Test Battery for Intellectual Disabilities, NICHD - R01HD076189, \$3,145,326, 2014-2019, Principal Investigator.

Community Service

Member, Clinical Trials Committee, National Fragile X Foundation
Member, Committee on Research, UC Davis
Member, Committee on Student Progress, UC Davis School of Medicine
Member, Editorial Board, *Journal of Neurodevelopmental Disorders*
Member, Executive Council, National Fragile X Foundation
Member, Human Development Graduate Group, UC Davis
Member, Neuroscience Graduate Group, UC Davis
Member, Research and Clinical Advisory Board, National Fragile X Foundation
Member, Special Emphasis Panel, Centers for Disease Control and Prevention, "Using Longitudinal Data to Characterize the Natural History of Fragile X Syndrome to Improve Services and Outcomes"
Reviewer, *Acta Psychiatrica Scandinavica*
Reviewer, *American Journal on Intellectual and Developmental Disabilities*
Reviewer, *American Journal of Medical Genetics*
Reviewer, *American Journal on Intellectual and Developmental Disabilities*
Reviewer, *American Journal of Psychiatry*
Reviewer, *Annals of Neurology*
Reviewer, *Behavior Genetics*
Reviewer, *Biological Psychiatry*
Reviewer, *Child Development*
Reviewer, *Development and Psychopathology*
Reviewer, *International Journal of Psychophysiology*
Reviewer, *Journal of Autism and Developmental Disorders*
Reviewer, *Journal of Child Psychology and Psychiatry*
Reviewer, *Journal of Intellectual Disability Research*
Reviewer, *Neuropsychology*
Reviewer, *Pediatrics*

Ladson Hinton, M.D.

Journal Articles

- 2015 Meyer OL, Nguyen KH, Dao TN, Vu P, Arean P, **Hinton L**. The Sociocultural Context of Caregiving Experiences for Vietnamese Dementia Family Caregivers. *Asian Am J Psychol*. Sep;6(3):263-272.
- 2015 Apesoa-Varano EC, Barker JC, Unutzer J, Aguilar-Gaxiola S, Johnson MD, Tran C, Guarnaccia P, **Hinton L**. Idioms of Distress Among Depressed White-Non-Mexican and Mexican-Origin Older Men. *J Cross Cult Gerontol*. Sep;30(3):305-18.
- 2015 Chan S, Torous J, **Hinton L**, Yellowlees P. Towards a Framework for Evaluating Mobile Mental Health Apps. *Telemed J E Health*. Dec;21(12):1038-41.
- 2015 Xiong GL, Filshtein T, Beckett LA, **Hinton L**. Antipsychotic Use in a Diverse Population with Dementia: A Retrospective Review of the National Alzheimer's Coordinating Center Database. *J Neuropsychiatry Clin Neurosci*. Fall;27(4):326-32.
- 2016 Hoefft TJ, **Hinton L**, Liu J, Unützer J. Research directions for development of interventions and health services in late-life depression: a systematic review enhanced by expert opinion. *American Association of Geriatric Psychiatry*. Jan;24(1):18-30.

Presentations

- 2015 Harvard Asia Center Shanghai Symposium on Eldercare. Bridging primary healthcare and community to support family caregivers and persons with dementia in Vietnam. Shanghai, October.
- 2015 Grantmakers in Aging Funder Webinar on Older Adult Behavioral Health. Promising Directions for Funders: Archstone Late Life Depression Initiative. November.
- 2016 California Advocacy Network for Aging Latinos (CANAL). Priority Mental Health Issues for California's Aging Latinos. Sacramento, January.
- 2016 Grantmakers in Health Annual Conference on Health Philanthropy. Towards more "family caregiver-inclusive" health care systems for older adults. San Diego, March.
- 2016 Latino Aging Research Resource Center Conference on Diversity and Cognitive Aging. Conference Organizer. Davis, March.
- 2016 Oregon Health Sciences University. A Family-based Primary Care Intervention to Enhance Older Men's Depression Care. Portland, April.

Research Funding

Center to Advance Cognitive Health and Healthcare in Older Latinos, National Institute on Aging, 5P30AG043097-03, \$353,365, 7/1/2012-6/30/2016, Principal Investigator.

A Family-based Primary Care Intervention to Enhance Older Men's Depression Care, National Institute of Mental Health, 5R34MH099296-02, \$141,656, 7/1/2013-6/30/2016, Principal Investigator.

Core—Education and Information Transfer, UC Davis Alzheimer's Disease Center Core, 5P30AG010129-24, National Institute on Aging, \$97,224, 7/1/2014-6/30/2016, Core Director and Co-Investigator (Charles DeCarli Principal Investigator, UC Davis).

Innovations Bridging Clinics and Communities to Advance Late Life Depression Care, Archstone Foundation, \$177,645, 7/1/2014-12/31/2017, Principal Investigator of UC Davis Subcontract (Jurgen Unutzer Principal Investigator, University of Washington).

Community Service

Chair, USC Distinguished Scholars Advisory Board, Roybal Institute on Aging

Member, Data Safety Monitoring Board, Improving Outcomes for Family Caregivers and Older Adults with Complex Conditions: The Adult Day Service Plus Program (R01AG049692 Gitlin PI)

Member, Data Safety Monitoring Board, Preventing Depression in Later Life: A Model for Low and Middle Income Countries (R34MH096997 PI Charles Reynolds)

Member, Diversity and Inclusion Committee, Northern California Alzheimer's Association

Member, Editorial Board, *Clinical Gerontologist*

Member, Editorial Board, *Journal of Cross-Cultural Gerontology*

Member, External Advisory Committee, Stanford Alzheimer's Disease and Research Center

Member, External Advisory Committee, UCSF Alzheimer's Disease and Research Center

Member, External Advisory Committee, USC Alzheimer's Disease and Research Center

Member, Institute of Medicine Ad Hoc Committee on Family Caregiver to Older Adults

Member, UC Davis Nursing Science Health-Care Leadership Graduate Group

Triage Editor, *American Journal of Geriatric Psychiatry*

Robert Horst, M.D.

Presentations

- 2015 Psychotropic Medication Use in Children and Adolescents. Sacramento County Counsel, Granite Regional Park, Sacramento, California; June 11.
- 2015 Child Psychiatry. Psychiatric Student Interest Group. UC Davis Medical School, Sacramento, California; October 22.
- 2016 Health Effects of Psychiatric Medication on Children and Youth. California Mental Health Planning Council, Health Integration Committee, San Francisco, California; April 21.
- 2016 Psychotropic Medication. Regional Judicial Education – Hot Topics in Juvenile Law, Judicial Council of California, Sacramento, California; May 5.

Grant Funding

Grant 09-000212, \$12,000. 05/01/09 to present. The Klingenstein Third Generation Foundation Fellowship Program in Child and Adolescent Psychiatry, UC Davis Health System Role: Principal Investigator.

Community Service

Member, American Psychiatric Association
Member, American Academy of Child and Adolescent Psychiatry
Member, Central California Psychiatric Society
Member, Central California Regional Organization of Child and Adolescent Psychiatry
Member, Child and Family Mental Health Management Team, Sacramento County
Member, Child Training and Education Committee, UC Davis Child Psychiatry Residency Program, UC Davis School of Medicine
Member, Juvenile Health and Mental Health – Delinquency Sub-committee, Sacramento County
Member, Juvenile Health and Mental Health – Dependency Sub-committee, Sacramento County
Member, Sacramento County Child and Family Services Unit
Member, Sacramento County Credentialing Committee
Member, Sacramento County Management Team
Member, Sacramento County Medication Monitoring Committee (7/2011 – present)
Member, Sacramento County Pharmaceutical and Therapeutics Committee
Member, Sacramento County Quality Improvement Committee
Member, Sierra Sacramento Valley Medical Society
Program Director, The Klingenstein Third Generation Foundation Fellowship Program in Child and Adolescent Psychiatry, UC Davis Health System

Alan Koike, M.D., M.S.H.S.

Journal Articles

2015 Hilty DM, Lim RF, Nasatir-Hilty SE, Koike AK, Ton H, Nesbitt TS. Planning for telepsychiatric consultation: A needs assessment for cultural and language services at rural sites in California. *Journal of Rural Mental Health*, 39(3-4): 153-161.

Presentations

2016 Cultural Issues in Bipolar Disorder, Central California Psychiatric Society Annual Meeting, Monterey, CA, March 12.

Community Service

Member, Adult Psychiatry Recruitment Selection Committee, Department of Psychiatry and Behavioral Sciences, University of California, Davis, Medical Center
Member, Educational Policy Committee, Department of Psychiatry and Behavioral Sciences, University of California, Davis, Medical Center
Member, Student Promotions Committee, UC Davis School of Medicine

Richard Maddock, M.D.

Journal Articles

- 2015 Buonocore MH, **Maddock RJ**. Magnetic resonance spectroscopy of the brain: A review of physical principles and technical methods. *Reviews in the Neurosciences*, 26(6):609-32.
- 2016 **Maddock RJ**, Casazza GA, Fernandez DH, Maddock MI. Acute Modulation of Cortical Glutamate and GABA Content by Physical Activity. *Journal of Neuroscience*, 36(8):2449-57.

Presentations

- 2015 Greenhouse I, King M, Noah S, Ivry RB, **Maddock RJ**. *Individual differences in GABA content are reliable but are not uniform across the human cortex*. International Symposium on MRS of GABA. Orlando, Florida, October 15.

Research Funding

NIH 1R01MH105411-01, *Neural Mechanisms of Memory Dysfunction in Schizophrenia*, 12/1/2014 – 11/30/2018 (PI Ragland) Role: Co-Investigator.

NIH 1P50MH106438-01, UC Davis Conte Center *Neuroimmune Mechanisms of Psychiatric Disorders*, 04/01/2015 – 03/31/2020 (PI Carter) Role: Co-Investigator, Project 4.

NIH/NINDS R21 NS085570, *Relationship of prefrontal GABA to inhibitory mechanisms for response preparation*. 09/15/2013 – 08/31/2016 (PI Ivry) Role: Co-Investigator.

NIH HHSN2712012-000071, *Validation study of magnetic resonance spectroscopy (MRS) and functional magnetic resonance imaging (fMRI) for detection of ketamine effects on glutamatergic function in healthy volunteers*. 8/29/2013 – 11/30/2015, (PI Carter) Role: Co-Investigator.

Community Service

Reviewer, *Biological Psychiatry*
Reviewer, *Biological Psychiatry, Cognitive Neuroscience and Neuroimaging*
Reviewer, *Experimental Physiology*
Reviewer, *JAMA Psychiatry*
Reviewer, *Psychiatry Research Neuroimaging*
Reviewer, *Therapeutic Advances in Psychopharmacology*

Robert McCarron, D.O.

Journal Articles

- 2015 Ramezani A, **McCarron RM**, Lashai M, Lenaerts M. Head Pain and Psychiatric Illness: Applying the Biopsychosocial Model To Care – Integrating the Neurological, Cognitive, and Psychological Aspects of This Condition Enhances Clinical Assessment. *Current Psychiatry* Vol 14, Number 9, pages 13-26.
- 2015 **McCarron RM**. Integrated Care at the Interface of Psychiatry and Primary Care Prevention of Cardiovascular Disease. *Psychiatr Clin N Am* 38, 463–474.
- 2015 **McCarron RM**. Rx: Treating chronic medical vulnerability in the mentally ill. *Current Psychiatry*. Vol 14 Number 9. Pages 9-10. Invited Editorial.
- 2016 **McCarron RM**, Vanderlip E, Rado J. Assessment and Treatment of Depression – Clinical Updates. *Annals of Internal Medicine*. Volume 4, October p51-63.

Book Chapters

- 2015 Hilty DM, Johnston B, **McCarron RM**. How Telemental Health Adds to Traditional Outpatient and Newer Models of Integrated Care for Patients, Providers And Systems. In Key Issues in e-Mental Health. Eds Mucic D, Hilty DM, Springer Publishing, NY, NY, pp. 129-150.
- 2016 **McCarron RM**, Suo S. Chapter 76: Psychotropic Medications and Pain. Bajwa ZH, Wootton JR, Warfield CA. Principles and Practice of Pain Medicine (3rd ed., pp. 670-676). New York, NY: McGraw-Hill

Presentations

- 2015 **McCarron, RM**. *Psychotropic Medications For Use in Pain Medicine*. Project ECHO – UC Davis Division of Pain Medicine. Sacramento, CA. July.
- 2015 **McCarron RM**. *The Primary Care Psychiatry Interview: The AMPS Approach*. American College of Osteopathic Family Physicians, Anaheim, CA. July.
- 2015 **McCarron RM**. *Preventive Medicine and Psychosomatic Medicine – Just What You Need To Know*. Academy of Psychosomatic Medicine Annual Meeting, New Orleans, LA. November.
- 2015 **McCarron RM**. *The Primary Care Psychiatric Interview and Overview On the Treatment of Mood Disorders*. Mental and Behavioral Health Management for Primary Care CME Meeting, Contemporary Forums (Meeting Chair). Las Vegas, NV. November.
- 2015 **McCarron RM**. *Preventive Medical Care In Psychiatry: An Overview*. Psychiatry

Update – American Academy of Clinical Psychiatrists. Las Vegas, NV. December.

- 2015 **McCarron RM.** *Weight Management and Mental Illness: An Overview.* Psychiatry Update – American Academy of Clinical Psychiatrists. Las Vegas, NV. December.
- 2016 **McCarron RM.** *Preventive Medicine and Mental Health – Only What You Psychiatrists Need To Know.* Northern California Psychiatric Society Annual Meeting. Napa, CA. February.
- 2016 **McCarron RM,** Rivelli S, Rado J, Pritham R. *Medical Mysteries and Practical Med-Psych Updates: Is It “Medical”, Psychiatric” Or A Little Of Both?* American Psychiatric Association Annual Meeting – Advances in Medicine (Invited), Atlanta, GA. May.
- 2016 **McCarron RM,** Rado J, Onate J. *You’re Taking What? Understanding New Commonly Used Medicines for Medical Disorders: A Case-Based Approach for the General Psychiatrist.* American Psychiatric Association Annual Meeting – Advances in Medicine (Invited), Atlanta, GA. May.
- 2016 **McCarron RM.** *Prevention in Psychiatry: An overview on combined psychiatric training.* American Psychiatric Association Annual Meeting, National Psychiatry Student Interest Group, (Invited), Atlanta, GA. May.

Grant Funding

Fishman S (PI), **McCarron RM,** (Co-investigator and educator), California Healthcare Foundation Extension of Community Healthcare Outcomes (ECHO) Provide weekly tele-mentoring and training of rural primary care networks in pain management. \$698,000.00 (2013-2015).

McCarron RM (PI), Servis M, Keenan C, Aguilar-Gaxiola S, (Co-PIs). California Office of Statewide Planning and Development, Mental Health Services Act –Workforce, Education and Training. Education Capacity – Psychiatrists RFP # 14-5017. *Integrated Medicine and Psychiatry Ambulatory Residency Training (IMPART) Preventive Public Psychiatry (P3).* \$1,350,000.00 (2014-2017 – awarded in May 2014).

McCarron RM (PI), Suo S (Co-PI): UC Davis Health System Practice Management Board, Primary Care Network and the Department of Psychiatry and Behavioral Sciences. Train New Trainers Primary Care Psychiatry Fellowship (TNT-PCP). \$646,020 (2015-17).

Community Service

President-elect, California Psychiatric Association
Area 6 Representative, American Association of Directors and Psychiatric Residency Training (AADPRT)
Chair, California Psychiatric Association Annual Meeting Planning Committee
Chair, Integrated Education Committee, American Association of Directors of Psychiatric Residency Training (AADPRT)

Co-Chair, Integrated Care Committee, California Psychiatric Association
Vice Chair, Annual Planning Committee, American Psychiatric Association
Member, American Psychiatric Association Practice Guidelines Committee (Area 6 Representative)
Member of the Assembly, American Psychiatric Association
Member, Council on Quality Care, American Psychiatric Association
Member, Executive Council, Past President, Association of Medicine and Psychiatry
Member, Executive Council, Past President, Central California Psychiatric Society (CCPS)
Department Editor (Med/Psych), *Current Psychiatry*
Associate Editor, *Primary Care Companion to the Journal of Clinical Psychiatry*
Reviewer, *Academic Psychiatry*
Reviewer, *American Journal of Psychiatry*
Reviewer, *Journal of General Internal Medicine*

Barbara E. McDermott, Ph.D.

Journal Articles

- 2016 Kelley SE, Edens JF, Donnellan MB, Ruchensky JR, Witt EA, **McDermott BE**: Development and validation of an inconsistent responding scale for an abbreviated version of the Psychopathic Personality Inventory – Revised. *Personality and Individual Differences*, 91: 58-62.

Book Chapters

- 2016 **McDermott BE** (Section Editor): Psychological and Neuroimaging Assessments. In Principles and Practices of Forensic Psychiatry. Rosner R, Scott CL (Eds).

Abstracts and Presentations

- 2015 **McDermott BE**: Violence Assessment and Mitigation: California Research. Proc. Western. Psych. State Hosp Assoc.
- 2015 Scott CL, **McDermott BE**: Psychological Testing of Claimed Amnesia: A Guide to Remember. Proc. Am. Psych. Law.

Community Service

Member, Academic Advisory Committee, Department of State Hospitals
Member, Napa State Hospital, Forensic Training Committee
Member, Napa State Hospital, Forensic Quality Review Panel
Member, Napa State Hospital, Quality Council
Member, Napa State Hospital, Research Advisory Committee
Member, Napa State Hospital, Violence Reduction Committee
Member, Committee B, UC Davis Institutional Review Board
Reviewer, *Assessment*
Reviewer, *Bipolar Disorders*
Reviewer, *Criminal Justice and Behavior*
Reviewer, *International Journal of Forensic Mental Health*
Reviewer, *Journal of Affective Disorders*
Reviewer, *Journal of Clinical Psychiatry*
Reviewer, *Journal of Clinical Psychology in Medical Settings*
Reviewer, *Journal of Consulting and Clinical Psychology*
Reviewer, *Law and Human Behavior*
Reviewer, *Psychological Assessment*
Reviewer, *Schizophrenia Research*
Senior Fellow, UC Justice and Health Consortium

Tara A. Niendam, Ph.D.

Journal Articles

- 2015 Shoemaker EZ, Tully LM, **Niendam TA**, Peterson BS. The Next Big Thing in Child and Adolescent Psychiatry. *Psychiatr Clin North Am*, 38(3):475-94. September.
- 2015 Ragland JD, Ranganath C, Harms MP, Barch DM, Gold JM, Layher E, Lesh TA, MacDonald AW 3rd, **Niendam TA**, Phillips J, Silverstein SM, Yonelinas AP, Carter CS. Functional and Neuroanatomic Specificity of Episodic Memory Dysfunction in Schizophrenia: A Functional Magnetic Resonance Imaging Study of the Relational and Item-Specific Encoding Task. *JAMA Psychiatry*, 72(9):909-16. September.
- 2015 Minzenberg MJ, Lesh T, **Niendam TA**, Yoon JH, Cheng Y, Rhoades RN, Carter CS. Frontal Motor Cortex Activity During Reactive Control Is Associated With Past Suicidal Behavior in Recent-Onset Schizophrenia. *Crisis*, 36(5):363-70. October.
- 2015 Ragland JD, Ranganath C, Phillips J, Boudewyn MA, Kring AM, Lesh TA, Long DL, Luck SJ, **Niendam TA**, Solomon M, Swaab TY, Carter CS. Cognitive Control of Episodic Memory in Schizophrenia: Differential Role of Dorsolateral and Ventrolateral Prefrontal Cortex. *Front Hum Neurosci*, 9:604. November.
- 2015 Solomon M, Ragland JD, **Niendam TA**, Lesh TA, Beck JS, Matter JC, Frank MJ, Carter CS. Atypical Learning in Autism Spectrum Disorders: A Functional Magnetic Resonance Imaging Study of Transitive Inference. *J Am Acad Child Adolesc Psychiatry* (11):947-55. November.
- 2015 Minzenberg MJ, Lesh TA, **Niendam TA**, Yoon JH, Cheng Y, Rhoades RN, Carter CS. Control-Related Frontal-Striatal Function is Associated with Past Suicidal Ideation and Behavior in Patients with Recent-Onset Psychotic Major Mood Disorders. *J Affect Disord*, 188:202-209. December.

Poster Presentations

- 2015 Fedechko TL, Tully LM, Boudewyn MA, Denton JC, Burch KE, **Niendam TA**. Analysis of language production in early psychosis: Associations with symptom severity and functioning. Poster presented at the annual meeting of the Society for Research in Psychopathology. September.
- 2015 **Niendam TA**, Iosif AM, Tully LM, Burch K, Carter C. Preliminary Longitudinal Study Examining the Clinical Correlates of Medication Adherence Assessed via a Mobile Health Application in Early Psychosis Care. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, FL. December.

- 2015 Lesh TA, **Niendam TA**, Dan R, Carter C. Effects of Past Moderate Cannabis Use on Cognition in First Episode Schizophrenia and Typically Developing Adolescents: A Multimodal Analysis of Brain Structure and Function. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, FL. December.
- 2016 Ragland JD, White S, **Niendam TA**, Ferrer E, Carter CS. Relational and Item Specific Memory Markers of Psychosis Risk. Poster presented at the 5th Biennial Schizophrenia International Research Society Conference, Florence, Italy. April.

Research Funding

NARSAD Young Investigator Award, 1/15/13 – 1/14/17, 0.12 calendar months. Dynamic Longitudinal Developmental Trajectories and Functional Outcome in Early Psychosis, \$59,680 total directs. This Young Investigator award provides funding for a study that utilizes fMRI and an established measure of cognitive control (AXCPT) to prospectively examine the neurodevelopmental course of prefrontal functioning across the age span of 12-25 years in individuals with schizophrenia (SZ) and demographically matched healthy controls (HC). **Niendam TA** (PI).

UC Davis Behavioral Health Center of Excellence, 4/1/15 – 3/31/17, 0.60 calendar months. Using mobile technology to detect early warning signs of mental health challenges and enhance treatment delivery for youth with early psychosis in community outpatient settings. \$200,000 total directs. This project will determine the feasibility of utilizing a mobile health application to track individual's daily and weekly clinical symptoms in three community-based early psychosis populations, while simultaneously examine its ability to systematically capture aspects of relapse and recovery. **Niendam TA** (PI).

HRSA D40HP26868, 7/1/14 – 6/30/17, 2.4 calendar months. Multidisciplinary Training in Evidence-Based Assessment and Treatment of Children and Youth with Trauma and Serious Mental Illness, \$175,926 annual direct costs. Through a collaboration between the UC Davis Department of Pediatrics, UC Davis CAARE Center and UC Davis SacEDAPT clinic, this grant provides support for the training of predoctoral psychology interns in trauma-focused work in youth with serious mental illness, particularly psychosis. Dr. Niendam serves as the Project Co-Director and the Training Director for interns at the SacEDAPT Clinic. Urquiza A (PI); **Niendam T** (Project Co-Director).

California Mental Health Services Act Oversight and Accountability Commission Evaluation of Outcomes and Associated Costs for Early Psychosis Programs: UC Davis Pilot and Statewide Method Development, 7/1/15 – 6/30/17, 0.72 calendar months, \$200,000 total. This evaluation seeks to identify and analyze EP program costs (i.e., costs expended to implement EP programs), outcomes associated with participation in the programs (e.g., change in hospitalization rates or length of stay following implementation of the program), and costs associated with those outcomes (e.g., costs associated with hospitalization) related to providing early psychosis programs in the state of California. The UC Davis SacEDAPT Clinic will be used as an exemplar of an EP program and this evaluation will

examine its effectiveness within Sacramento County, which will be translated to a proposal for a statewide evaluation of EP programs. **Niendam T** (PI)

NIMH R01 MH105411, 12/1/14 – 11/30/18, .60 calendar months. Neural Mechanisms of Memory Dysfunction in Schizophrenia, \$350,903 annual direct costs. The proposed research will use EEG, fMRI and MRS to establish disrupted (GABAergic) neural inhibition in the dorsolateral prefrontal cortex (DLPFC) as a candidate mechanism for the reduced theta oscillations, reduced fMRI activation in DLPFC and hippocampal circuits, and disproportionate relational memory impairments in people with schizophrenia observed in our previous research. As a Co-Investigator, Dr. Niendam supports the acquisition of clinical and psychosocial functioning data as well as data analyses, interpretation and manuscript preparation. Ragland JD (PI); **Niendam T** (Co-Investigator).

NIMH R01 MH104235-01, 9/1/14 – 8/31/19, 2.1 calendar months. Reducing Duration of Untreated Psychosis Through Rapid Identification and Engagement, \$457,828 annual direct costs. Through the use of technology-enhanced screening and engagement, the proposed project seeks to reduce the duration of untreated psychosis at a community level by addressing two bottlenecks: 1) delays in accurate identification and 2) delays in engagement in FEP care. The results of this project will provide new evidence-based practices for reducing DUP and improving outcomes in recent onset psychosis. As a Co-Investigator, Dr. Niendam assists in overseeing the project managing staff in day-to-day activities, recruiting participants, managing data collection and analysis. She participates in interpretation of the results as well as in presenting the results of the research and preparing manuscripts for publication. Cameron C (PI); **Niendam TA** (Co-Investigator).

NIH R01MH107108, 8/1/15 – 7/31/20, 1.2 calendar months. Cognitive-Affective Psychosis Proneness Risk and protective factors in 22q11.2DS, \$ 485,236 annual direct costs. The proposed research seeks to explore the cognitive and neural correlates of psychosis risk in youth with 22qDS. 22q youth will be characterized clinically across a novel dimension of psychosis proneness, which will be examined in relationship to measures of cognitive function using ERP and fMRI. As a Co-Investigator, Dr. Niendam supervises the clinical assessments, as well as provides guidance on the analyses related to the psychosis risk data and development of the psychosis-proneness dimensional scale. Dr. Niendam is also involved in data analysis, interpretation and manuscript writing. Simon T (PI), **Niendam T** (Co-Investigator).

NIMH 1R01MH106518, 1/01/16 – 12/31/21, 1.2 calendar months. Neurodevelopment of cognitive control in autism: adolescence to young adulthood, \$410,533 annual direct costs. This study examines the development of cognitive control across adolescence into young adulthood and its relationship to functional outcomes in individuals with Autism Spectrum Disorders using fMRI and behavioral measures. Solomon M (PI), **Niendam TA** (Co-Investigator).

Community Service

Co-Chair, Society for Women in Academic Psychiatry (SWAP)
Ad Hoc Reviewer, *Biological Psychiatry*

Ad Hoc Reviewer, *Journal of Psychiatric Research*

Ad Hoc Reviewer, *Psychological Medicine*

Ad Hoc Reviewer, *Schizophrenia Bulletin*

Ad Hoc Reviewer, *The Lancet*

Member, MMI Interviewer, UC Davis Medical Center

Member, Status of Women at Davis Administrative Advisory Committee (SWADAC)

Sally Ozonoff, Ph.D.

Journal Articles

- 2016 Miller M, Iosif AM, Young GS, Hill M, Hanzel EP, Hutman T, Johnson S, and **Ozonoff S**. School-age outcomes of infants at risk for autism spectrum disorder. *Autism Research*, 9, 632-642.
- 2016 Schwichtenberg AJ, Hensle T, Honaker S, Miller M, **Ozonoff S**, and Anders T. Sibling sleep: What can it tell us about parental sleep reports in the context of autism? *Clinical Practice in Pediatric Psychology*, 4, 137-152.
- 2016 Messinger D, Young GS, Webb SJ, **Ozonoff S**, et al. Commentary: Sex difference differences? A reply to Constantino. *Molecular Autism*, 7, 31-33.

Abstracts and Presentations

- 2015 **Ozonoff S**. Advances in early detection of autism spectrum disorder. John Welsh Lectureship, Pediatric Grand Rounds, University of California San Diego School of Medicine, September.
- 2015 **Ozonoff S**. Advances in early detection of autism spectrum disorder. CART Affinity Lecture, University of California Los Angeles School of Medicine, November.
- 2015 **Ozonoff S**. The onset of autism spectrum disorder: Behavioral signs in the first years of life. Invited symposium, American College of Neuropsychopharmacology (ACNP) annual meeting, Fort Lauderdale FL, December.
- 2016 **Ozonoff S**. Advances in early detection of autism spectrum disorder. Grand Rounds, Department of Psychiatry, Weill Cornell Medical College, February.
- 2016 **Ozonoff S**. Advances in early detection of autism spectrum disorder. Utah Valley University Conference on Autism, Provo UT, April.
- 2016 Day TN, Wetherby AM, Nottke C, Delehanty A, Iosif AM, and **Ozonoff S**. Comparison of children with ASD at 3 years of age ascertained from community screening in primary care versus from a prospective infant sibling cohort. International Meeting for Autism Research, Baltimore MD, May.
- 2016 Gross A, Kalf L, Young GS, Stuart E, Landa R, ...**Ozonoff S**, Stone WL, Tager-Flusberg H, and Zwaigenbaum L. Development and validation of a harmonized scale of autism symptom severity across ADOS modules 1 and 2: A BSRC study. International Meeting for Autism Research, Baltimore MD, May.
- 2016 Pandey J, Schriver E, **Ozonoff S**, Landa R, Levy SE, Pomykacz AT, Hess CR, Hsu MV, Fallin MD, Hertz-Picciotto I, Croen LA, and Newschaffer CJ. Capturing the moment: Using the Autism Observational Scale for Infants (AOSI) to assess the

developing phenotype in a prospective sample of children at high risk for ASD. International Meeting for Autism Research, Baltimore MD, May.

2016 Schriver E, Robins DL, Croen LA, Fallin MD, Hertz-Picciotto I, Landa R, Levy SE, **Ozonoff S**, Pandey J, and Newschaffer CJ. Performance of M-CHAT and ITC screeners in high-risk siblings. International Meeting for Autism Research, Baltimore MD, May.

2016 Schmidt RJ, Kogan V, Shelton J, Delwiche L, Hansen R, **Ozonoff S**, Tancredi DJ, Hertz-Picciotto I, and Volk HE. Combined exposures to prenatal pesticides and folic acid intake in relation to autism spectrum disorders. International Meeting for Autism Research, Baltimore MD, May.

2016 Schwichtenberg AJ, Abel E, Amstutz J, Christ SL, Miller M, **Ozonoff S**, and Anders TF. Sleep and developmental progress in infants at high-risk for autism. International Meeting for Autism Research, Baltimore MD, May.

2016 Steinfeld MB, Young GS, and **Ozonoff S**. Onset, trajectory and pattern of feeding difficulties in infants later diagnosed with ASD. International Meeting for Autism Research, Baltimore MD, May.

2016 Wittke K, Mastergeorge AM, **Ozonoff S**, Rogers SJ, and Naigles L. Specific language impairment in ASD: Exploring language phenotypes beyond standardized testing. International Meeting for Autism Research, Baltimore MD, May.

Research Funding

Autism risk, prenatal environmental exposures and pathophysiologic markers, National Institute of Environmental Health Sciences, R01 ES020392-01, 2011-2016, **Ozonoff S** (Co-PI).

Development of a prospective parent report measure to identify autism risk in infancy, Autism Speaks, AS8370, 2013-2016, **Ozonoff S** (PI).

Development of a prospective video-based measure to identify ASD risk in infancy, National Institute of Mental Health, R01 MH099046, 2013-2017, **Ozonoff S** (PI).

MIND Institute Intellectual and Developmental Disabilities Research Center, National Institute of Child Health and Human Development, U54 HD079125, 2013-2018, **Ozonoff S** (Core Director).

Prospective Evaluation of Air Pollution, Cognition, and Autism from Birth Onward, National Institute of Environmental Health Sciences, 1R01ES023780, 2014-2018, **Ozonoff S** (Co-investigator).

Neural Phenotypes of Females with Autism Spectrum Disorder, National Institute of Mental Health, R01 MH104438, 2014-2019, **Ozonoff S** (Co-investigator).

Community Service

Chair, Program Committee, *International Meeting for Autism Research*
Chair, Research Space Advisory Committee, UC Davis School of Medicine
Joint Editor, *Journal of Child Psychology and Psychiatry*
Member, American Psychiatric Association DSM Review Committee
Member, Autism Spectrum Disorders Advisory Board, UC Davis Extension
Member, Autism Advisory Board, Guilford Press
Member, Editorial Board, *Autism Research*
Member, Editorial Board, *Autism Spectrum Quarterly*
Member, Editorial Board, *Journal of Autism and Developmental Disorders*
Member, Graduate Group in Clinical Research, UC Davis
Member, International Society for Autism Research Scientific Standards Committee
Member, TEACCH Advisory Board, University of North Carolina
Reviewer, *Archives of General Psychiatry*
Reviewer, *Autism Research*
Reviewer, *Autism: The International Journal of Research and Practice*
Reviewer, *Biological Psychiatry*
Reviewer, *Development and Psychopathology*
Reviewer, *Journal of the American Academy of Child and Adolescent Psychiatry*
Reviewer, *Journal of Autism and Developmental Disorders*
Reviewer, *Journal of Child Psychology and Psychiatry*
Reviewer, *Journal of Neurodevelopmental Disorders*
Reviewer, *Journal of Pediatrics*
Reviewer, *Journal of Speech and Language Pathology*
Reviewer, *Pediatrics*

J. Daniel Ragland, Ph.D.

Journal Articles

- 2015 **Ragland JD**, Ranganath C, Phillips J, Boudewyn MA, Kring AM, Lesh TA, Long DL, Luck SJ, Niendam TA, Solomon M, Swaab TA, Carter CS: Cognitive Control of Episodic Memory in Schizophrenia: Differential Role of Dorsolateral and Ventrolateral Prefrontal Cortex. *Frontiers in Human Neuroscience*, 9(604):1-10.
- 2015 **Ragland JD**, Ranganath C, Harms MP, Barch DM, Gold JM, Layher E, Lesh TA, MacDonald AW, Niendam TA, Phillips J, Silverstein SM, Yonelinas AP, Carter CS: Functional and neuroanatomical specificity of episodic memory dysfunction in schizophrenia: An fMRI study of the relational and item-specific encoding task. *JAMA Psychiatry*, 72:909-16.
- 2015 Silverstein SM, Harms MP, Carter CS, Gold JM, Keane BP, MacDonald A, **Ragland JD**, Barch DM: Cortical Contributions to Impaired Contour Integration in Schizophrenia. *Neuropsychologia*, 75:469–480.
- 2016 Sheffield JM, Repovs G, Harms MP, Carter CS, Gold JM, MacDonald AW, **Ragland JD**, Silverstein SM, Godwin D, Barch DM: Evidence for Accelerated Decline of Functional Brain Network Efficiency in Schizophrenia. *Schizophrenia Bulletin*, 42(3):753-61, 2016.
- 2016 Lopez-Garcia P, Lesh TA, Salo T, Barch DM, MacDonald AW 3rd, Gold JM, **Ragland JD**, Strauss M, Silverstein SM, Carter CS: The neural circuitry supporting goal maintenance during cognitive control: a comparison of Expectancy AX-CPT and Dot Probe Expectancy Paradigms. *Cognitive, Affective, and Behavioral Neuroscience*, 16(1):164-75.
- 2016 Lynch S, McFarlane W, Joly B, Adelsheim S, Auther A, Cornblatt B, Migliorati M, **Ragland JD**, Sale T, Spring E, Calkins R, Carter C, Jaynes R, Taylor S: The early detection for the prevention of psychosis program: Community outreach and early identification at six sites across the United States. *Psychiatric Services*, 67(5):510-6.
- 2016 Solomon M, **Ragland JD**, Niendam TA, Lesh TA, Beck JS, Matter JC, Frank MJ, Carter CS: Atypical learning in autism spectrum disorders: An fMRI study of transitive inference. *Journal of the American Academy of Child and Adolescent Psychiatry*, 54(11):947-55.
- 2016 Poppe A, Barch D, Carter C, Gold J, Ragland J, Silverstein S, MacDonald A: Reduced Frontoparietal Activity in Schizophrenia is Linked to a Specific Deficit in Goal Maintenance: a Multi-site Functional Imaging Study. *Schizophrenia Bulletin*, Epub: Apr 8.

- 2016 Solomon M, McCauley J, Iosif AM, Carter CS, **Ragland JD**: Cognitive control and episodic memory in adolescents with autism spectrum disorders. *Neuropsychologia*, 89:31-41.
- 2016 **Ragland JD**, Solomon M: Categorical Dimensions of Social Impairment and Disrupted Functional Connectivity in Autism Spectrum Disorders: When Does Continuous Become Discrete? *Biological Psychiatry*, 80:90-91.
- 2016 Krystal JH, Abi-Dargham A, Akbarian S, Arnsten AFT, Barch DM, Bearden CE, Braff DL, Brown ES, Bullmore ET, Carlezon Jr WA, Carter CS, Cook Jr EH, Daskalakis ZJ, DiLeone RJ, Duman RS, Grace AA, Hariri AR, Harrison PJ, Hiroi N, Kenny PJ, Kleinman JE, Krystal AD, Lewis DA, Lipska BK, Marder SR, Mason GF, Mathalon DH, McClung CA, McDougle CJ, McIntosh AM, McMahon FJ, Mirnics K, Monteggia LM, Narendran R, Nestler EJ, Neumeister A, O'Donovan MC, Öngür D, Pariante CM, Paulus MP, Pearlson G, Phillips ML, Pine DS, Pizzagalli DA, Pletnikov MV, **Ragland JD**, Rapoport JL, Ressler KJ, Russo SJ, Sanacora G, Sawa A, Schatzberg AF, Shaham Y, Shamay-Tsoory SG, Sklar P, State MW, Stein MB, Strakowski SM, Taylor SF, Turecki G, Turetsky BI, Weissman MM, Zachariou V, Zarate Jr CA, Zubieta JK: Constance E. Lieber, Theodore R. Stanley, and the Enduring Impact of Philanthropy on Psychiatry Research, *Biological Psychiatry*, 80:84-86.

Abstracts and Presentations

- 2015 Lesh T, Niendam T, **Ragland JD**, Carter C. Effects of past moderate cannabis use on cognition in first episode schizophrenia. (54th Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL, USA).
- 2015 Carter CS, Phillips R, Fassbender C, Lesh TA, **Ragland JD**, Niendam T A. Attention lapses, perception and cognitive control in schizophrenia. (15th Annual Meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO, USA).
- 2015 Lesh TA, Maddock RJ, Salo T, Tanase C, **Ragland JD**, Niendam TA, Solomon M, Carter CS. Diffusion measures of free water and 1h-mrs measures of glutathione in first episode patients with schizophrenia - a multimodal investigation of an inflammatory model for psychosis. (15th Annual Meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO, USA).
- 2015 Lesh TA, Mawla A, Minzenberg M, Yoon J, Niendam TA, **Ragland JD**, Solomon M, Carter CS. Effects of past mild cannabis use on cognition in first episode schizophrenia: a multimodal analysis of brain structure and function. (15th Annual Meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO, USA).
- 2015 Loewy R, Fisher M, Carter CS, Niendam TA, **Ragland JD**, Mathalon D, Vinogradov S. Improved cognition and positive symptoms with targeted auditory processing training in recent-onset schizophrenia: 6-month follow-up. (15th Annual Meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO, USA).

- 2015 **Ragland JD**, Hannula DE, Layher E, Phillips J, Carter CS, Lesh TA, Niendam TA, Solomon M, Ranganath C. Use of simultaneous eye movements and fmri to reveal specific relational memory deficits in schizophrenia. (15th Annual Meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO, USA).
- 2016 Ray KL, Lesh TA, **Ragland JD**, MacDonald AW, Gold JM, Silverstein SM, Barch DM, Carter CS. Functional Network Properties of Cognitive Control in Health and Schizophrenia. (3rd Whistler Scientific Workshop on Brain Functional Organization, Connectivity, and Behavior, Whistler, BC).
- 2016 **Ragland JD**, White S, Niendam TA, Ferrer E, Carter CS. Relational and Item Specific Memory Markers of Psychosis Risk. (5th Biennial Schizophrenia International Research Society Conference, Florence, Italy).
- 2016 Tully LM, Howell AM, Lesh TA, Ursu S, Johnson S, **Ragland JD**, Niendam TA, Carter CS. Neural Abnormalities During Reward Processing in First Episode Psychosis: Relationship to Symptoms and Functioning. (71st Annual Society of Biological Psychiatry Conference, Atlanta, Georgia, USA).
- 2016 Barch DM, Carter CS, Gold JM, Kring A, Johnson S, Luck SJ, MacDonald AW, **Ragland JD**, Silverstein SM, Strauss M. Diagnostically Cross-Cutting Relationships of Cognitive Systems and Positive Valence Constructs with Life Function and Motivation. (71st Annual Society of Biological Psychiatry Conference, Atlanta, Georgia, USA).
- 2016 Lesh TA, Maddock RJ, Tanase C, **Ragland JD**, Niendam T, Solomon M, Carter CS. Extracellular Free Water and Prefrontal Glutathione in First Episode Psychosis – A Multimodal Investigation of an Inflammatory Model for Psychosis. (71st Annual Society of Biological Psychiatry Conference, Atlanta, Georgia, USA).

Research Funding

5R01MH059883-11 (PI: Carter), NIMH, 6/1/13-6/1/18. *Pathophysiology of Cognitive Disability in Schizophrenia*: Using fMRI and two cognitive tasks evaluating unique aspects of cognitive control and approach motivation we will test the hypothesis that during a first episode of psychosis both schizophrenia that bipolar disorder patients will show cognitive control deficits that in schizophrenia will remain as stable trait deficits during the first year of illness, but that in Bipolar disorder will show substantial improvement with clinical remission. In contrast Bipolar Disorder patients will show an enhanced sensitivity to repeated rewards that will be stable across clinical states, while schizophrenia patients will show intact or reduced responses to incentives across the course of the first year of illness.

5R01MH084826-05 (PI: Carter), NIMH, 10/12/13-10/1/18. *Cognitive Neuroscience Task Reliability and Clinical Application Consortium*. Behavioral tasks measuring the RDoC constructs of reward sensitivity and working memory capacity will be validated, optimized, and characterized psychometrically. Optimized measures and their psychometric characteristics will then be publically available for use in treatment development studies.

1R01MH105411-01 (PI: **Ragland**) NIMH, 1/01/14-12/30/18. *Neural mechanisms of impaired episodic memory in schizophrenia*. This grant uses a multimodal functional imaging approach (EEG, fMRI and MRS) to examine the relationship between the function of prefrontal and hippocampal circuitry supporting item-specific and relational memory in the brain to schizophrenia diagnosis, daily function and symptoms in schizophrenia.

1R01 MH104235-01 (PI: Carter) NIMH, 9/1/14-8/30/18. *Reducing Duration of Untreated Psychosis Through Rapid Identification and Engagement*. This grant will consecutively test the impact of two interventions to reduce duration of untreated psychosis (DUP). First, we will test the ability of standard targeted provider education plus novel technology-enhanced screening to improve early identification. Secondly, we will test the ability of a mobile community-based, telepsychiatry-enhanced engagement method to promote early and stable treatment engagement and, thereby, reduce DUP.

Community Service

Chair, Compensation Advisory Committee, UC Davis School of Medicine

Chair, Special Emphasis Panel, ZRG1 EMNR-R(02), National Institutes of Health, Bethesda, MD

Co-Chair, Public Information Committee, American College of Neuropsychopharmacology (ACNP)

Member, Academic Senate, Committee Coordinating Committee for Self-Supporting Degree Programs, UC Davis

Member, Academic Senate Committee on Research, UC Davis

Member, Center Director Reappointment Review Committee, UC Davis School of Medicine

Member, Committee on Research Affairs, UC Davis

Member, Faculty Executive Committee, UC Davis School of Medicine

Member, Research Affairs Committee, Department of Psychiatry and Behavioral Sciences, UCDCMC

Member, Search Committee for Associate Vice Chancellor for Academic Personnel, UC Davis School of Medicine

Editorial Board Member, *Biological Psychiatry*

Editorial Board Member, *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*

Editorial Board Member, *Psychiatry Research: Neuroimaging*

Editorial Board Member, *Schizophrenia Research and Treatment*

Editorial Board Member, *Schizophrenia Research: Cognition*

Faculty Member, *Faculty of 1000 Medicine (Schizophrenia & Other Psychosis)*

Lorin M. Scher, M.D.

Abstracts and Presentations

- 2015 Wheelock V, Tempkin T, Duffy A, Martin A, Mooney L, **Scher LM**, Farias S, Swadell D, DeCarli C, Brunberg J, Li C-S, Yarborough M, Dayananthan A, Stout J, Hersch S, Aylward E, Fink KD, Annett G and Nolta J. PRE-CELL: Preparing for a future planned Phase 1 trial of genetically-modified stem cells over-expressing BDNF in patients with Huntington's disease. Ninth Annual Huntington's Disease Clinical Research Symposium Tampa FL, October 24.
- 2016 **Scher LM**, Frankel S, Lattimer C, Bourgeois JA, Kathol R. Collaborative Care Implementation – Best Practices When Building an Interdisciplinary Team. Academy of Psychosomatic Medicine.
- 2016 Ratzliff A, Unutzer J, Markley L, Huang H, **Scher LM**, Wong F. Role of the Psychosomatic Medicine Psychiatrist in Teaching Integrated Care to Trainees Across the Spectrum. Academy of Psychosomatic Medicine.
- 2016 McCarron R, **Scher LM**, Han J, Chwastiak L. Integrated Medicine and Psychiatry Curriculum for Psychiatry Residency Training: A Model Designed to Meet Growing Mental Health Workforce Needs. Academy of Psychosomatic Medicine.
- 2016 Wheelock V, Tempkin T, Duffy A, Martin A, Mooney L, **Scher LM**, Farias S, Swadell D, DeCarli C, Brunberg J, Yu L, Li C-S, Yarborough M, Dayananthan A, Stout J, Moscovitch-Lopatin M, Hersch S, Fink KD, Annett G and Nolta J. PRE-CELL: Clinical and novel biomarker measures of disease progression in a lead-in-observational study for a planned Phase 1 trial of genetically-modified mesenchymal stem cells over-expressing BDNF in patients with Huntington's disease. American Academy of Neurology, 68th Annual Meeting, Vancouver, BC, April 15 - 21.

Research Funding

- 2013-16 MSC engineered to produce BDNF for the treatment of Huntington's disease. *California Institute for Regenerative Medicine (CIRM)*. Wheelock V (PI), **Scher LM** (Co-Investigator), http://www.cirm.ca.gov/ReviewSummary_DR2A-05415.
- 2015-17 Implementation of Asynchronous Telepsychiatry (ATP) in the UC Davis Primary Care Network (PCN) Practice Management Board Innovation Grant, UC Davis Health System. \$345,000. **Scher LM** (PI), Yellowlees P.
- 2013-18 RCT of Store and Forward Telepsychiatry in Primary Care. *U.S. Department of Health and Human Services; Agency for Healthcare Research and Quality (AHRQ)*. \$2,500,000. Yellowlees, P. (PI), **Scher LM** (Co-Investigator).

- 2014-17 California Office of Statewide Planning and Development, Mental Health Services Act – Workforce, Education and Training. Education Capacity – Psychiatrists RFP # 14-5017. Integrated Medicine and Psychiatry Ambulatory Residency Training (IMPART) Preventive Public Psychiatry \$1,350,000.00. McCarron R (PI), **Scher LM** (Psychiatric Educator).
- 2015-17 UC Davis Health System Practice Management Board, Primary Care Network and the Department of Psychiatry and Behavioral Sciences. Train New Trainers Primary Care Psychiatry Fellowship (TNT-PCP). \$646,020, McCarron R (PI), **Scher LM** (Faculty mentor).
- 2016-19 Tailored Activation in Primary Care to Reduce Suicide Behaviors in Middle-Aged Men. National Center for Injury Prevention and Control (Centers for Disease Control and Prevention) U01CE002664. \$1,320,000, Jerant (PI), **Scher LM** (Co-investigator).

Community Service

Chair, ED Psychiatry Workgroup, UC Davis Health System
Chair, 4th Year Oversight Committee, UC Davis School of Medicine
Chair, Interdisciplinary Education Subcommittee, Academy of Psychosomatic Medicine
Member, Block Council, UC Davis School of Medicine
Member, Committee on Educational Policy, UC Davis School of Medicine
Member, Medical Staff Well Being Committee, UC Davis Health System
Member, UCDMC / SCMHTC Committee, UC Davis Health System
Member, Education Committee, Academy of Psychosomatic Medicine
Member, Sierra Sacramento Valley Medical Society, Emergency Psychiatry Mental Health Taskforce

Cynthia Schumann, Ph.D.

Journal Articles – unreported for 2014-15

- 2014 Morgan JT, Barger N, Amaral DG, **Schumann CM**. Stereological study of amygdala glial populations in adolescents and adults with autism spectrum disorder. *PLoS One*. Oct 17;9(10):e110356. doi: 10.1371/journal.pone.0110356. PubMed PMID: 25330013; PubMed Central PMCID: PMC4201518.
- 2014 Hunsaker MR, Scott JA, Bauman MD, **Schumann CM**, Amaral DG. Postnatal development of the hippocampus in the Rhesus macaque (*Macaca mulatta*): a longitudinal magnetic resonance imaging study. *Hippocampus*. Jul;24(7):794-807. doi: 10.1002/hipo.22271. PubMed PMID: 24648155; PubMed Central PMCID: PMC4065201.
- 2014 Liu XB, **Schumann CM**. Optimization of electron microscopy for human brains with long-term fixation and fixed-frozen sections. *Acta Neuropathol Commun*. Apr 11;2:42. doi: 10.1186/2051-5960-2-42. PubMed PMID: 24721148; PubMed Central PMCID: PMC4003521.

Journal Articles – 2015-16

- 2015 Weir RK, Forghany R, Smith SE, Patterson PH, McAllister AK, Bauman MD, **Schumann CM**. Preliminary evidence of neuropathology in nonhuman primates prenatally exposed to maternal immune activation. *Brain Behav Immun*. Aug;48:139-46. doi: 10.1016/j.bbi.2015.03.009. PubMed PMID: 25816799.
- 2015 Stamova B, Ander BP, Barger N, Sharp FR, **Schumann CM**. Specific Regional and Age-Related Small Noncoding RNA Expression Patterns Within Superior Temporal Gyrus of Typical Human Brains Are Less Distinct in Autism Brains. *J Child Neurol*. Dec;30(14):1930-46. doi: 10.1177/0883073815602067. PubMed PMID: 26350727; PubMed Central PMCID: PMC4647182.
- 2016 Scott JA, Goodrich-Hunsaker N, Kalish K, Lee A, Hunsaker MR, **Schumann CM**, Carmichael OT, Simon TJ. The hippocampi of children with chromosome 22q11.2 deletion syndrome have localized anterior alterations that predict severity of anxiety. *J Psychiatry Neurosci*. Apr;41(3):203-13. PubMed PMID: 26599134; PubMed Central PMCID: PMC4853211.
- 2016 Scott JA, Grayson D, Fletcher E, Lee A, Bauman MD, **Schumann CM**, Buonocore MH, Amaral DG. Longitudinal analysis of the developing rhesus monkey brain using magnetic resonance imaging: birth to adulthood. *Brain Struct Funct*. Jun;221(5):2847-71. doi: 10.1007/s00429-015-1076-x. PubMed PMID: 26159774; PubMed Central PMCID: PMC4884209.

Charles L. Scott, M.D.

Journal Articles

- 2016 **Scott CL:** Diagnosing and Evaluating Psychiatric Disability, Part 1. *Audio-Digest Psychiatry*, 45:2.
- 2016 **Scott CL:** Diagnosing and Evaluating Psychiatric Disability, Part 2. *Audio-Digest Psychiatry*, 45:3.

Book Chapters

- 2016 **Scott CL,** Resnick PJ: Forensic Psychiatry, in The Medical Basis of Psychiatry, Third Edition. Edited by Fatemi S, Clayton P. Springer-Verlag New York, NY.

Presentations

- 2015 Psychic Harm and Workers Compensation, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Death Penalty, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Correctional Psychiatry, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Child Abuse/Child Witness, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Psychiatric Disability, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Child Custody, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Juvenile Court and Minor's Rights, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Right to Treatment, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2015 Evaluation of Malingered Amnesia, American Academy of Psychiatry and the Law, Fort Lauderdale, Florida.
- 2016 The Assessment of Malingering: An Evidence-Based Approach, Forensic Mental Health Association of California Annual Conference, Monterey, California, March.
- 2016 Public Presentations: Substance Matters – But So Does Style!, Grand Rounds – Department of Psychiatry and Behavioral Sciences, University of California, Davis Medical Center, Sacramento, California, April.

2016 Assessment of Malingering: An Evidence-Based Approach, Los Angeles County Department of Mental Health, Los Angeles, California, June.

2016 "Correctional Mental Health Overview", Los Angeles County Department of Mental Health, Los Angeles, California, June.

Community Service

Member, Association of Directors of Forensic Psychiatry Fellowships (ADFPPF)

Member, Institute for Research and Education, American Academy of Psychiatry and the Law

Member, Maintenance of Certification Committee, American Academy of Psychiatry and the Law

Member, National Awards Committee, American Academy of Psychiatry and the Law

Member, National Education Committee, American Academy of Psychiatry and the Law

Member, National Program Committee, American Academy of Psychiatry and the Law

Member, National Committee for Evaluation of Sex Offenders, American Academy of Psychiatry and the Law

Member, Editorial Board, *Correctional Mental Health Law Reporter*

Reviewer, *Academic Psychiatry*

Reviewer, *American Journal of Psychiatry*

Reviewer, *Behavioral Sciences and the Law*

Reviewer, *Criminal Behavior and Mental Health*

Reviewer, *Journal of the American Academy of Psychiatry and the Law*

Reviewer, *Psychiatric Services*

Reviewer, *The Journal of Forensic Psychiatry*

Mark Servis, M.D.

Book Chapters

2016 McCarron RM, Xiong GL, Keenan CR, Han J, Scher L, **Servis M.** Psychiatric Aspects of Preventive Care Study Guide: A Practical Guide for Healthcare Providers. Washington DC: American Psychiatric Press Inc.

Abstracts and Presentations

2016 Kovach J, Fox G, Sharma A, **Servis M**, Wrenn G. Recruitment tips, tricks, and myths: practical tips for common recruitment dilemmas. 45th Annual Meeting American Association of Directors of Psychiatric Residency Training, Austin, Texas.

2016 Murdock-Vlautin T, Venugopal S, Griffin E, Traynham R, Henderson M, **Servis M.** Enhancing critical thinking in first year medical students through simulation: a pilot curriculum. AAMC Western Regional Conference, Tucson, Arizona.

2016 Personality disorders, psychosomatic medicine, PTSD, psychotherapy. ACP 2016 Psychiatry Review. American Psychiatric Association Annual Meeting, Atlanta, Georgia 2016.

Research Funding

2014 Josiah Macy Grant, Interprofessional Education for Pain Competencies, Heather Young and Scott Fishman co-PIs, 1% funding support.

2014 OSHPD WET Education Capacity-Psychiatrists, Integrated Medicine / Psychiatry Ambulatory Residency Training (IMPART) Preventive Public Psychiatry (P3).

Community Service

Chair, Anatomical Materials Review Committee, UC Davis School of Medicine

Chair, Education Council, UC Davis School of Medicine

Chair, Learning Climate Committee, UC Davis School of Medicine

Chair, Combined Training Task Force, American Association of Directors of Psychiatry Residency Training

Vice Chair, Residency Review Committee for Psychiatry, Accreditation Council for Graduate Medical Education

Member, Block Council, UC Davis School of Medicine

Member, Committee on Educational Policy, UC Davis School of Medicine

Member, Committee on Student Promotions, UC Davis School of Medicine

Member, Curriculum Review Subcommittee, UC Davis School of Medicine

Member, Dean's Council, UC Davis Health System

Member, Doctoring Steering Committee, UC Davis School of Medicine

Member, Fourth Year Oversight Committee, UC Davis School of Medicine

Member, Office of Continuing Medical Education Advisory Committee, UC Davis Health

System

Member, Recruitment Committee, American Association of Directors of Psychiatry
Residency Training

Member, Third Year Clerkship IOR Committee, UC Davis School of Medicine

Member, USMLE Step 2 Interdisciplinary Review Committee, National Board of Medical
Examiners (NBME)

Responsible Executive Officer and Chair, Human Anatomical Specimen and
Tissue Oversight Committee, UC Davis

Reviewer, *Academic Psychiatry*

Hong Shen, M.D.

Community Service

Co-chair, AACAP Adolescent Psychiatry Committee
Liaison AACAP Representative to *The Partnership for Male Youth*
Member, Advisory Council, *The Partnership for Male Youth*
Reviewer, *Adolescent Psychiatry*

Tony J. Simon, Ph.D.

Journal Articles

- 2015 Napoli E, Tassone F, Wong S, Angkustsiri K, **Simon TJ**, Song G, Giulivi C. Mitochondrial Citrate Transporter-Dependent Metabolic Signature in the 22q11.2 Deletion Syndrome. *Journal of Biological Chemistry*, 290, 23240-23253. doi: 10.1074/jbc.M115.672360.
- 2015 Scott JA, Goodrich-Hunsaker NJ, Kalish K, Lee A, Hunsaker MR, Schumann CM, Carmichael OT, **Simon TJ**. The hippocampi of children with chromosome 22q11.2 deletion syndrome have localized anterior alterations that predict severity of anxiety. *Journal of Psychiatry and Neuroscience*. Nov 24;41(1):140299. doi: 10.1503/jpn.140299.
- 2016 Mlynarski E, Xie M, Taylor D, Sheridan M, Guo T, Racedo S, Mcdonald-Mcginn D, Chow E, Vorstman J, Swillen A, Devriendt K, Breckpot J, Digilio M, Marino B, Dallapiccola B, Philip N, **Simon TJ**, Roberts A, Piotrowicz M, Bearden C, Eliez S, Gothelf D, Coleman K, Kates W, Devoto M, Zackai E, Heine-Suñer D, Goldmuntz E, Bassett A, Morrow B, Emanuel B, and International Chromosome 22q11.2 Consortium. Rare copy number variants and congenital heart defects in the 22q11.2 deletion syndrome. *Human Genetics*. 1–13 doi:10.1007/s00439-015-1623-9.

Abstracts and Presentations

- 2015 Translating Basic and Clinical Neuroscience into a Digital Neurotherapeutic for Spatiotemporal Cognition. “Neurogaming on the Mesa” Conference. University of California, San Diego, CA, September.
- 2016 When feeling meets thinking: How cognitive impairment and emotional regulation drive (mis)behavior. EdRev 2016 San Francisco, CA, April.
- 2016 Three Distinct Brain Structure Patterns As Potential Biomarkers for Behavioral and Psychiatric Outcomes in Chromosome 22q11.2 Deletion Syndrome. Society for Biological Psychiatry. Atlanta, GA (with Schumann C, Harvey D, and others), May.
- 2016 Cortical Tissue Volumes Correlate to Cavum Septum Pellucidum Size in Children with 22q11.2 Deletion Syndrome and Typical Controls. Society for Biological Psychiatry. Atlanta, GA (with Popa A, Hunsaker NJ, Deng Y, and others), May.
- 2016 An Evidence-Based Neurotherapeutic Intervention For Enhancing Spatiotemporal Cognition. X-Tech/Neurogaming Expo. San Francisco, CA (with Aronson T, Hunicke R, and others), May.
- 2016 Connectomic and Structural Brain Differences between Typical Children and Those with 22q11.2DS. Organization for Human Brain Mapping Conference. Geneva, Switzerland (with Zhang L, Leow A), June.

Research Funding

5U01MH101719, 9/1/13-8/30/17, NIH/NIMH, \$30,797, *International Consortium on Brain and Behavior in 22q11.2 Deletion Syndrome*. The International Consortium on Brain and Behavior in 22q11.2 Deletion Syndrome (22q11DS) is a collaborative grant awarded to 22 institutions, with one genomic and four phenotyping leading sites. The collaboration combines genomic with neuropsychiatric and neurobehavioral paradigms to advance the understanding of the pathogenesis of schizophrenia (SZ) and related phenotypes. The Consortium provides the largest available sample to date of 1,000 genetically and phenotypically characterized individuals with 22q11DS. Gur RE (PI), **Simon TJ** (Investigator/Subcontractor).

1U54HD079125-01, 9/1/13-8/31/18, NIH/NICHHD, \$841,424, *MIND Institute Intellectual and Developmental Disabilities Center*. The proposed IDDRC is designed to support a translational science agenda focused on IDD. The IDDRC will integrate research from multiple disciplines and bridge basic and clinical science to arrive at treatments for IDD conditions. The range of IDD conditions include autism spectrum disorder, fragile X syndrome, Down syndrome, ADHD, chromosome 22q11.2 deletion syndrome, and many others. Abbeduto (PI), Simon TJ (Co-I [Associate Director]).

R01-MH107108, 8/1/15-7/31/20, NIH/NIMH, \$499,999, *Cognitive-Affective Psychosis Proneness Risk and Protective Factors in 22q11.2DS*. The goal of the first phase of this longitudinal study is to investigate the hypothesis that interactions between cognitive and affective processing, along with stress reactivity combine to modulate the degree of psychosis proneness risk or protection in adolescents and young adults with the chromosome 22q11.2 deletion syndrome and to determine predictors of outcome on a novel dimensional risk measure with the intention of targeting those predictors for early preventive intervention at some point in the near future. **Simon TJ** (PI)

90DD0596, 7/1/16-6/30/21, DHHS AUCD, *Center of Excellence in Development Disabilities*, UC Davis MIND Institute. The UC Davis UCEDD is a synergistic collaboration between six centers with a comprehensive plan to increase capacity for interdisciplinary training, intervention, community services and advocacy in Northern California for individuals with developmental disabilities and their families. Goals and activities for the initial year of the UCEDD funding will have emphasis in the areas of education, early intervention and health. Hansen (PI), **Simon TJ** (Investigator).

Community Service

Ad Hoc Reviewer, *Biological Psychiatry*

Chair, Graduate Student Committee, (David Grayson Thesis Committee, Neuroscience Program), University of California, Davis

Member, Autism Summit Infrastructure Working Group, University of California

Member, Editorial Board, *Frontiers in Genetic Disorders*

Member, Editorial Board, *Journal of Neurodevelopmental Disorders*

Member, Leadership Team of MIND International Training Program in Neurodevelopmental Disorders (ITPND) Working Group

Member, Mentoring Academy, University of California Davis
Schools of Health

Member, MIND Institute Executive Committee

Member, MIND Institute Space Committee

Member, Neuroscience Graduate Group Admission Committee

Member, Research Advisory Committee, Department of Psychiatry and Behavioral Sciences,
University of California, Davis

Member, MRI Safety Committee, Imaging Research Center, University of
California, Davis

Review Editor, *Frontiers in Child and Neurodevelopmental Psychiatry*

Gregory Sokolov, M.D.

Presentations

2015 Designer Drugs: Dangers, Detection, and Defenses (Panel Moderator), American Academy of Psychiatry & Law Annual Meeting, Fort Lauderdale, FL, October 23.

Community Service

Member, Sacramento County Domestic Violence Death Review Team

Member, Sacramento County Mental Health Pharmacy and Therapeutics Committee

Marjorie Solomon, Ph.D., M.B.A.

Journal Publications

- 2015 Ragland JD, Ranganath C, Philips J, Boudewyn MA, Kring AM, Lesh TA, Long DL, Luck SJ, Niendam TA, **Solomon M**, Swaab TY, Carter CS. Cognitive Control of Episodic Memory in Schizophrenia: Differential Role of Dorsolateral and Ventrolateral Prefrontal Cortex. *Frontiers in Human Neuroscience*. Nov 10;9:604. doi: 10.3389/fnhum.2015.00604. eCollection.
- 2015 **Solomon M**, Ragland JD, Niendam TA, Lesh TA, Beck JS, Matter JC, Frank MJ, Carter CS. Atypical Learning in Autism Spectrum Disorders: An fMRI study of Transitive Inference. *Journal of the American Academy of Child and Adolescent Psychiatry*, 54(11), 947-955, PMID: 26506585.
- 2016 Ragland JD, **Solomon M**. Categorical Dimensions of Social Impairment and Disrupted Functional Connectivity in Autism Spectrum Disorders: When Does Continuous Become Discrete? *Biological Psychiatry*, 80(2), 90-91.
- 2016 **Solomon M**, McCauley JB, Iosif AM, Carter CS, Ragland JD. Cognitive control and episodic memory in adolescents with autism spectrum disorders, *Neuropsychologia*, 89, 31-41. PMID:271841922.
- 2016 Oswald TM, Beck JS, McCauley JB, Gilhooly LJ, Matter JC, Iosif AM, **Solomon M**. Clinical and Cognitive Characteristics Associated with Mathematics Problem Solving in Adolescents with Autism Spectrum Disorder. *Autism Research*, 9(4), 480-490. PMID: 26318313.
- 2016 Oswald TM, Winter-Messiers MA, Gibson B, Schmidt AM, Herr CM, **Solomon M**. Sex Differences in Internalizing Problems During Adolescence in Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*, 46(2), 624-636. PMID: 264386585.

Book Chapters

- 2016 Kazdoba TM, Leach PT, Yang M, Silverman JL, **Solomon M**, Crawley J. Translational Mouse Models of Autism: Advancing Toward Pharmacological Therapeutics, In Current Topics in Behavioral Neuroscience, Editors: Trevor W Robbins and Barbara J. Sahakian. Publisher: Springer International Publishing Inc. in Basel, Switzerland. 28:1-52.PMID:27305922

Abstracts, Posters and Presentations

- 2015 Oswald T, McCauley J, Libero L, Hansen R, Mundy P, Schetter P, Ruder S, Iosif AM, Wilson J, May R, Rogers S, Stahmer A, **Solomon M**. Pilot Research on Services to Promote Adult Functioning in Autism Spectrum Disorders. Poster presented at the

- Behavioral Health Center of Excellence Conference. Sacramento, California. September.
- 2015 **Solomon, M.** Facilitating social development in children and adolescents with autism spectrum disorders. Invited Grand Rounds, Department of Pediatrics, UC Davis Health System. Sacramento, California. October.
- 2015 **Solomon, M.** Facilitating social development in children and adolescents with autism spectrum disorders. Invited address to Hearts and Minds Series. MIND Institute. Sacramento, California. October.
- 2015 **Solomon, M.** Teaching social skills to children, adolescents, and young adults on the autism spectrum. Invited address to Northern California Women's Forum. Rocklin, California. October.
- 2016 **Solomon, M.** Teaching social skills to children, adolescents, and young adults on the autism spectrum. Invited address to scholars from Taiwan National University. Sacramento, California. January.
- 2016 Beck J, Shapleton J, South M, **Solomon M.** Concept Identification and formation in High-Functioning Adolescents with ASD. Poster presented at the International Meeting for Autism Research. Baltimore, Maryland. May.
- 2016 McIntyre NS, Mundy PC, **Solomon M,** Oswald T, Swain-Lerro LE, Zajic MC, McCauley JB, Schiltz HK. A Longitudinal Study of the Social-Cognitive Phenotype of ASD and Reading Comprehension Development. Poster presented at the International Meeting for Autism Research. Baltimore, Maryland. May.
- 2016 McCauley JB, Harris MA, Zajic MC, Schiltz HK, Swain-Lerro LE, Oswald T, McIntyre NS, Trzesniewski K, Mundy PC, **Solomon M.** Systematic Evaluation of Self-Esteem, Internalizing Symptoms, and Theory of Mind in Youth with ASD, ADHD, and Typical Development. Poster presented at the International Meeting for Autism Research. Baltimore, Maryland. May.
- 2016 McCauley JB, Zajic MC, Schiltz HK, Swain-Lerro LE, Harris MA, Oswald T, McIntyre NS, Trzesniewski K, Mundy PC, **Solomon M.** Investigating Potential Biases in Self-Evaluations of Reading and Math Performance by Individuals with ASD, ADHD, and Typical Development. Poster presented by the International Meeting for Autism Research. Baltimore, Maryland. May.
- 2016 **Solomon M.** Determining predictors of improved cognitive function in children with ASD between 3 and 6 years of age. Which toddlers improve? Poster accepted at the International Meeting for Autism Research. Baltimore, Maryland. May.
- 2016 Oswald TM, Gilhooly L, McCauley JB, Libero L, Hansen R, Mundy PC, Iosif AM, Rogers SJ, Stahmer AC, Schetter P, Ruder S, May R, **Solomon M.** A pilot test of Adult Social Knowledge (ASK) Workshop: An intervention to Improve Outcomes in

Young Adults with ASD. Poster presented at the International Meeting for Autism Research. Baltimore, Maryland. May.

Research Funding

Pilot Award **Solomon M** (PI), 4/01/15-3/31/17 1.8 calendar, UCD Behavioral Health Center of Excellence, \$100,000. *Improving the Lives of Adults with Autism Spectrum Disorders and their Families: A Pilot Trial of the Adult Social Knowledge (ASK) Workshop*. This grant will allow us to Pilot test a waiting list control trial of an intervention to help adults with autism to improve their social and role functioning, mental health, and self-care.

1R01 HD071998 Bales (PI); **Solomon M** (Co-Investigator), 7/05/12-5/31/2017, 1.2 calendar, NICHD, \$360,780. *Effects of Chronic Intranasal Oxytocin*. This grant examines the long term effects of intranasal oxytocin in voles and rhesus monkeys to investigate the safety of their use as medications for humans with disorders involving social cognition.

1R01MH103284 **Solomon M** (PI) 9/2014-8/31/19, 4.8 calendar, NIMH \$326,826. *Predictors of Cognitive Development in Autism Spectrum Disorder*. The goal of this study is to evaluate early neural predictors for middle childhood cognitive outcomes in a longitudinal study of children with ASD.

1R01MH103371 Amaral DG (PI) 4/01/15–03/31/20, 1.8 calendar, NIH \$511,843. *Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder*. The goal of the proposed research is to determine whether identified neural phenotypes persist into middle childhood and are associated with the quality and severity of core and co-morbid behavioral impairments related to ASD.

1R01MH106518 (PI: Solomon) 1/01/16-12/31/21, 3.6 calendar, NIMH \$410,533. *Neurodevelopment of cognitive control in autism: adolescence to young adulthood*. This study would examine the adolescent to young adulthood development of cognitive control and its relationship to functional outcomes using fMRI and behavioral measures.

Community Service

Abstract Reviewer, International Meeting for Autism Research
Member, Selection Committee, UC Davis Medical School Admissions
Representative for the Department of Psychiatry, UC Davis Academic Senate
Reviewer, *American Journal of Psychiatry*
Reviewer, *Archives of General Psychiatry*
Reviewer, *Autism*
Reviewer, *Autism Research*
Reviewer, *Biological Psychiatry*
Reviewer, *Cognitive Development*
Reviewer, *Development and Psychopathology*
Reviewer, *Journal of Autism and Developmental Disorders*
Reviewer, *Neuropsychology*

Aubyn C. Stahmer, Ph.D., BCBA-D

Journal Articles

- 2015 Vejnaska S, Chan J, Rieth S, Surheinrich J, **Stahmer AC**. Naturalistic Strategies in Classrooms: A Look at Pivotal Response Teaching. *Autism Spectrum News*, 7(3),7-11.
- 2016 **Stahmer AC**, Suhrheinrich J, Mandell D. [Editorial] The importance of characterizing intervention for individuals with autism. *Autism: International Journal of Research and Practice*, 20, 386-387.
- 2016 **Stahmer AC**, Brookman-Frazee L, Rieth SR, Stoner JT, Feder JD, Searcy K, Wang, T. Parent perceptions of an adapted evidence-based practice for toddlers with autism in a community setting. *Autism: International Journal of Research and Practice*. Online First. DOI: 10.1177/1362361316637580.
- 2016 Drahota A, Meza R, Birkho B, Naaf M, Estabillo J, Gomez E, Vejnaska S, Dufek S, **Stahmer AC**, Aarons G. Community-academic partnerships: A systematic review of the state of the literature and recommendations for future research. *Milbank Quarterly*, 94(1), 163-214.
- 2016 **Stahmer AC**, Suhrheinrich J, Rieth SR. Classroom Pivotal Response Teaching: A Pilot Examination of the Adapted Protocol. *Journal of the American Academy of Special Education Professionals*, Winter, 119-139.

Abstracts and Presentations

- 2015 Drahota A, Martinez JI, Brikho B, Meza R, **Stahmer AC**, Aarons G. *The ACT SMART Toolkit: An Implementation Strategy for Community Based Agencies Providing Services to Children with Autism Spectrum Disorder*. Paper presented at the 3rd Biennial Society for Implementation Research Collaboration Conference, Seattle, WA. September.
- 2015 Drahota A, Meza R, Naaf M, Spurgeon E, Dufek S, Estabillo J, Vejnaska S, Brikho B, **Stahmer AC**, Aarons G. *Community-Academic Partnerships: A Systematic Review of the State of the Literature and Recommendations for Future Research*. Paper presented at the 3rd Biennial Society for Implementation Research Collaboration Conference, Seattle, WA. September.
- 2015 Collaboration and Leadership – The Keys to Implementing Evidence-Based Early Intervention Asia Pacific Regional IMFAR, Shanghai China, November.
- 2016 Translation of school-based evidence-based autism practices to the community, Autism Affinity Lecture, UCLA Center for Autism Research and Treatment, January.

- 2016 Rieth S, **Stahmer AC**, Brookman-Frazee L. Preliminary child and family outcomes of a parent-implemented naturalistic, developmental, behavioral intervention for young children at-risk for ASD. Poster presented at the annual Conference on Research Innovations in Early Intervention, San Diego, CA. February.
- 2016 Hall L, Brookman-Frazee L, Suhrheinrich J, **Stahmer AC**. *Designing Research and Professional Development that Leads to Sustained Use of Evidence-Based Interventions*. Symposium presented at the annual Conference on Research Innovations in Early Intervention, San Diego, CA. February.
- 2016 Translation of evidence-based early intervention practices for ASD into community programs” Psychiatry and Behavioral Sciences Grand Rounds, UC Davis, February.
- 2016 Naturalistic Behavioral Interventions: Science and Practice, Keynote Address, Princeton Lecture Series. Princeton, NJ, April.
- 2016 Rieth S, **Stahmer A**, Brookman-Frazee L. *Parent Perceptions of an Adapted Evidence Based Practice for Toddlers with Autism in a Community Setting*. Paper presented at the International Meeting for Autism Research, Baltimore, MD. May.
- 2016 Oswald T, Gilhooly L, McCauley JB, Libero L, Hansen R, Mundy PC, Iosif IM, Rogers SJ, **Stahmer AC**, Schetter P, Ruder S, May R, Solomon M. *A Pilot Test of Adult Social Knowledge (ASK) Workshop: An Intervention to Improve Outcomes in Young Adults with ASD*. Paper presented at the International Meeting for Autism Research, Baltimore, MD. May.
- 2016 Bacon EC, Schreibman L, **Stahmer AC**, Carter C, Courchesne E, Pierce K. *Different Developmental Trajectories of ASD: Slow and Rapid Onset of Symptoms in Toddlers from the General Population*. Paper presented at the International Meeting for Autism Research, Baltimore, MD. May.
- 2016 Dickson KS, **Stahmer AC**, Rieth SR, Suhrheinrich J. *Reliability of parent and teacher perspectives on child functioning in a large urban sample of children with ASD*. Paper presented at the International Meeting for Autism Research, Baltimore, MD. May.

Research Funding

R324A140005, U.S. Department of Education Grant: *Examining the Efficacy of Classroom Pivotal Response Teaching in Classroom Environments*. Stahmer AC (PI), 2012-2017. University of California, San Diego. (\$2,545,268).

Autism Speaks Grant: 8136 *Training Community Providers to Implement an Evidence-Based Early Intervention Program*. Stahmer AC (PI), 2013-2017. University of California, Davis. (\$449,181).

R324A140004, U.S. Department of Education Grant: *Adapting an Evidence-Based Program for Infants and Toddlers at High Risk for Autism*. Stahmer AC (PI), 2013-2017. University of California, Davis. (\$1,155,999).

4R33MH097033-03, NIMH Research Grant: *U.S.P.H.S. Optimization of Fidelity Procedures for Pivotal Response Training in Autism*. Stahmer AC (Site PI), 2014-2017. University of California, Davis. (\$861,835).

R324A150211, U.S. Department of Education Grant: *Adapting an Evidence-based Practice for children At-Risk for Autism for Diverse Early Intervention Service Systems*. Co-Investigator (PI Sally Rogers), 2015-2018. University of California, Davis. (\$1,495,156).

2 UA3MC 11055-077-00, Human Resources Services Agency (HRSA): *Autism Intervention Research Network for Behavioral Health 3*. Site Principal Investigator, 2015-2020, University of California, Davis (\$1,751,020).

16031, Human Resources Services Agency (HRSA): *Leadership Education In Neurodevelopmental And Related Disorders Training Program*. Co Principal Investigator (PI Rogers), 07/2016-6/2021.

Community Service

Editor, *Autism: The International Journal of Research and Practice*

External Member, Interagency Autism Coordinating Committee (IACC) Services Working Group

Guest Reviewer, Mental Health Services Research Committee

Member, Editorial Board, *Journal of Early Intervention*

Member, Standing Study Section, Mental Health Service Research Committee

Member, Program Committee, International Meeting for Autism Research

Member, Research Advisory Committee (RAC), Department of Psychiatry and Behavioral Sciences, UC Davis

Member, RFA-MH-16-410, Special Review Panel

Reviewer, *Journal of Autism and Developmental Disorders*

Reviewer, *Journal of Behavioral Education*

Laura Magdalen Tully, Ph.D.

Journal Articles

- 2015 Yin H, **Tully LM**, Lincoln SH, Hooker CI. Adults with high social anhedonia have altered neural connectivity with ventral lateral prefrontal cortex when processing positive social signals. *Frontiers in Human Neuroscience*, 9, 469.
- 2015 Dodell-Feder D, **Tully LM**, Hooker CI. Social Impairment in Schizophrenia: New approaches for treating a persistent problem. *Current Opinion in Psychiatry*, 28(3), 236-242.
- 2015 Shoemaker EZ, **Tully LM**, Niendam TA, Peterson BS. The Next Big Thing in Child Adolescent Psychiatry: Interventions to Prevent and Intervene in early Psychiatric Illnesses. *Psychiatric Clinics*, 38(3), 475-494.

Abstracts and Presentations

- 2015 **Tully LM**, Niendam TA, Ashby S, Lesh T, Carter CS. Linking the Brain to Daily Social Behavior in Early Psychosis: Neural Activation of Cognitive Control Network Predicts Desire for and Enjoyment of Daily Social Interactions. *Society for Biological Psychiatry '15 Meeting* [symposium].
- 2015 **Tully LM**, Ashby S, Lesh T, Carter CS, Niendam TA. Lateral Prefrontal Activation During Cognitive Control of Task-Relevant Emotional Information Predicts Social Functioning in Early Psychosis. *International Congress on Schizophrenia Research (ICOSR) '15 Meeting* [oral presentation]
- 2016 **Tully LM**, Howell AM, Lesh TA, Ursu S, Johnson S, Ragland JD, Niendam TA, Carter CS. Neural abnormalities during reward processing in first episode psychosis: Relationship to symptoms and functioning. *Society for Biological Psychiatry '16 Meeting* [oral presentation].
- 2016 **Tully LM**, Iosif A, Burch KE, Kumar D, Niendam TA. Smartphone apps for early psychosis care: Using patient-generated data to monitor symptoms and functioning. *Cognitive Remediation in Psychiatry '16 Meeting* [symposium].
- 2016 Kumar D, **Tully LM**, Iosif A, Burch KE, Zaksorn LN, Niendam TA. Using mobile technology to assess mood instability, psychotic symptoms, and suicidality in first-episode psychosis. *Society for Research in Psychopathology '16 Meeting* [poster].

Research Funding

UC Davis Behavioral Health Center of Excellence Pilot Award, **Tully LM** (PI). 11/01/15 – 03/31/17. Neural Dysfunctions during Cognitive Control of Emotion and their relationship to Social Impairments in Psychosis. \$200,000 Total Direct.

UC Davis Behavioral Health Center of Excellence early Career Development Award, **Tully LM** (PI). 9/15/16 – 9/14/17. 50% salary support for two years.

UC Davis Innovative Development Award, **Tully LM** (PI). 07/01/16 – 06/30/18. Non-invasive Brain Stimulation as a Treatment for Cognitive Control of Emotion Impairments in Recent Onset Schizophrenia. \$15,610 Total Direct.

NARSAD Young Investigator Award, **Tully LM** (PI). 01/15/17 – 01/14/19. tDCS-Induced Changes In The Frontal-Limbic Network During Cognitive Control Or Emotion In Recent Onset Schizophrenia. \$69,948 Total Direct.

Community Service

Member, Advisory Council to Inner City Weightlifting to prevent gang related violence

Member, Bioethics Committee, UC Davis Health System

Reviewer, *Brain and Cognition*

Reviewer, *Cortex*

Reviewer, *Schizophrenia Bulletin*

Paula Wadell, M.D.

Presentations

2016 Psychosis medications overview for Sacramento county providers (Speaking Series)

Community Service

Member, Child Psychiatry Clinical Competency Committee (CCC), Child and Adolescent Psychiatry Residency Training Program, Department of Psychiatry, UC Davis

Member, Child Training and Education Committee (CTEC), Child and Adolescent Psychiatry Residency Training Program, Department of Psychiatry, UC Davis

Treasurer, Central California Regional Organization of Child and Adolescent Psychiatry (CCROCAP)

Carlina Ramirez Wheeler, Ph.D.

Presentations

2016 Screening and Consultation Services, Sacramento County Children's Behavioral Health Program, Sacramento, CA.

2016 Screening and Consultation Services, Children's Receiving Home of Sacramento, Sacramento, CA.

Community Service

5150 Designee, Sacramento County Children's Behavioral Health Program
Assessment Program Supervisor and Mental Health Program Consultant, Children's
Receiving Home of Sacramento

Member, ACES Connection, Sacramento County

Member, American Psychological Association (Div. 53 Society of Clinical Child and
Adolescent Psychology; Div. 41 American Psychology-Law Society; Div. 43 Society for
Couple and Family Psychology)

Member, Society of Women in Academic Psychiatry (SWAP), UC Davis Medical Center

Member, Training and Program Development, Postdoctoral Psychology Program, UC Davis
Medical Center

Glen L. Xiong, M.D.

Journal Articles

- 2015 Rao S, Raney L, **Xiong GL**. Reducing medical comorbidity and mortality in severe mental illness: Collaboration with primary and preventive care could improve outcomes. *Current Psychiatry*. July; 14(7):15-20.
- 2015 **Xiong GL**, Prybol K, Boyle SH, Hall R, Streilein RD, Steffens DC, Krishnan R, Rogers JG, O'Connor CM, Jiang W; SADHART-CHF Investigators. Inflammation Markers and Major Depressive Disorder in Patients With Chronic Heart Failure: Results From the Sertraline Against Depression and Heart Disease in Chronic Heart Failure Study. *Psychosomatic Medicine*. July; [PMID: 26186432].
- 2015 **Xiong GL**. Werknicke-Korsakoff Syndrome. *Medscape Drugs & Diseases*. Updated August 19. Available at: <http://emedicine.medscape.com/article/288379-overview>.
- 2015 Yang Z, **Xiong GL**. Managing obesity in patients with mental illness: A literature review and implications for clinical practice. *Current Psychiatry Reviews*. November; 11(4):290-298.
- 2015 Barnhorst A, **Xiong GL**. Amphetamine-Related Psychiatric Disorders. *Medscape Drugs & Diseases*. Updated December 3. Available at: <http://emedicine.medscape.com/article/289973-overview>.
- 2015 Holoyda B, **Xiong GL**. Catatonia associated with alprazolam discontinuation in a young man with cardiac cirrhosis. *Journal of Clinical Psychopharmacology*. December; 35(6):735-6.
- 2015 **Xiong GL**, Filshtein T, Beckett LA, Hinton L. Antipsychotic Use in a diverse population with dementia: A retrospective review of the National Alzheimer's Coordinating Center Database. *Journal of Neuropsychiatry and Clinical Neurosciences*. Fall; 27(4)326-332 [PMID 26488486].
- 2016 How PC, Newman WJ, **Xiong GL**. Agitated and hallucinating, with a throbbing headache. *Current Psychiatry*. January, 2016;15(1)45-50.
- 2016 Holoyda B, Fritz K, **Xiong GL**. A case of nicotine overdose-induced seizure on an inpatient psychiatric unit. *Annals of Clinical Psychiatry* (ePUB October 2015) February; 28(1):66-7 [PMID 26554375].

Book Chapters

- 2016 **Xiong GL**, Javaheri A, Wiechers IR. Psychopharmacology Principles. In On-Call Geriatric Psychiatry. Edited by Hategan A, Bourgeois JA, Hirsch CH. Springer Publishing. Switzerland. May pp. 31-44.

- 2016 Bakerjian D, **Xiong GL**. Residential Medical Settings. In On-Call Geriatric Psychiatry. Edited by Hategan A, Bourgeois JA, Hirsch CH. Springer Publishing. Switzerland. May pp. 279-288.
- 2016 Roof JG, **Xiong GL**, Stacey SR. Suicide and Violence Prevention and Control: A Public Health Approach. In On-Call Geriatric Psychiatry. Edited by Hategan A, Bourgeois JA, Hirsch CH. Springer Publishing. Switzerland. May pp. 333-339.

Abstracts and Presentations

- 2015 Sleep and the Aging Brain. Alzheimer's Disease Center Community Discovery Series. Leshner Center for Performing Arts, Walnut Creek, CA. August 25.
- 2015 Dementia Behaviors: What can you do to manage them? MIND Institute, Sacramento, CA. (available on YouTube) September 10.
- 2015 Dementia Behaviors: What can you do to manage them? MIND Institute, Sacramento, CA. Lescher Center for Performing Arts, Walnut Creek, CA. September 21.
- 2015 Essential Health Information Tools. Core Curriculum on Medical Direction in Long-Term Care. Philadelphia, PA. November 5.
- 2015 Influencing Employee Behaviors. Core Curriculum on Medical Direction in Long-Term Care. Philadelphia, PA. November 6.
- 2015 Working with Families. Core Curriculum on Medical Direction in Long-Term Care. Philadelphia, PA. November 7.
- 2015 Medications in Dementia Care: Benefit vs. Risks. Sunrise of Fair Oaks, Fair Oaks, CA. November 10.
- 2016 Sleep and the Aging Brain. Older Adults Coalition. Sacramento, CA, January 11.
- 2016 Substance Use Disorders: Update on Diagnosis and Treatment. Lecture and workshop. Essentials of Primary Care Psychiatry Conference. Sacramento, CA, January 15.
- 2016 Sleep and the Aging Brain. Rossmore Retirement Community. Walnut Creek, CA, April 4.
- 2016 Dementia 101. Sacramento Main Library. Sacramento, CA, April 30.
- 2016 Dementia Behavior: A discussion with family members. Eskaton Lodge Gold River, Gold River, CA, May 7.
- 2016 Non-pharmacological approaches to addressing dementia behaviors. California

Assisted Living Association Spring Conference, Sacramento, CA. June 7 [with Loren Alving and Toni Onkka].

Research Support

P30 AG10129: DeCarli (PI), 09/30/11-6/30/16. UC Davis Alzheimer's Disease Center Core. Major goals of this project are to enroll, study and follow a cohort of patients and control subjects who are thoroughly characterized, and longitudinally followed to autopsy. This provides a research infrastructure for clinical and basic studies of dementia in Northern California. Role: Associate Director of Education Core

Behavioral Health Center of Excellence at University of California, Davis; 4/15-4/17. Role: Xiong (PI, 1.2 calendar months); \$200,000. Title: A pilot study examining use of asynchronous and synchronous telepsychiatry consultation for skilled nursing facility residents. This study examines use of telepsychiatry and compares real-time (synchronous) vs. videotaped and later reviewed consultations in skilled nursing facilities. This study focuses on acceptability and feasibility and aims to collect pilot data for a future R01 study.

R01HS021477 - 01A1, Yellowlees (PI), 10/01/13 – 08/31/18. Agency for Health Care Research and Quality Research. Title: A controlled trial of patient-centered telepsychiatry interventions. This proposal uses an innovative Health IT application solution (Asynchronous Telepsychiatry) to improve the efficiency and reach of mental health. To assess the impact of this novel approach, this randomized controlled trial of clinical outcomes seeks to evaluate the superiority of asynchronous telepsychiatry consultation model on access, quality, cost and outcomes of care over the usual care for adults referred from primary care clinics for psychiatric evaluation and treatment. Role: Co-PI.

Community Service

Chair, Research and Scholarship Committee, Association of Medicine and Psychiatry
Member, Journal Editorial Board, *Primary Care Companion CNS Disorders*
Member, Society of Post-Acute/Long-term Care Medicine / American Medical Directors' Association (AMDA) Core Curriculum Faculty
Reviewer, *Biological Psychiatry*
Reviewer, *BMC Research Notes*
Reviewer, *Canadian Journal of Psychiatry*
Reviewer, *Clinical Gerontology*
Reviewer, *Healthcare*
Reviewer, *Journal of Applied Gerontology*
Reviewer, *Journal of Clinical Psychopharmacology*
Reviewer, *Journal of Graduate Medical Education*
Reviewer, *PLOS ONE*
Reviewer, *Primary Care Companion CNS Disorders*

Peter Yellowlees, M.B.B.S., M.D.

Journal Articles

- 2015 Hilty D, **Yellowlees PM**, Parrish MB, Chan S. Telepsychiatry: Effective, Evidence-Based, and at a Tipping Point in Health Care Delivery? *Psychiatr Clin North Am*. Sep;38(3):559-92.
- 2015 **Yellowlees PM**, Chan SR. Mobile Mental health care – an opportunity for India. *Indian Journal for Medical Research*. Oct;142(4):359-61.
- 2015 Chan SR, Parish M, **Yellowlees PM**. Telepsychiatry today. *Current Psychiatry Reports*. Nov;17(11):89.
- 2015 Shore J, Vo A, **Yellowlees PM**, Waugh M, Schneck C, Nagamoto H, Thomas M. Antipsychotic-Induced Movement Disorder: Screening via Telemental Health. *Telemed J E Health*. Dec;21(12):1027-9.
- 2015 Kent SM, **Yellowlees PM**. The Technology-Enabled Patient Advocate: A Valuable Emerging Healthcare Partner. *Telemed J E Health*. Dec;21(12):1030-7.
- 2015 Chan S, Torous J, Hinton L, **Yellowlees PM**. Towards a Framework for Evaluating Mobile Mental Health Apps. *Telemed J E Health*. Dec;21(12):1038-41.
- 2015 **Yellowlees PM**, Chan SR, Parish M. The hybrid doctor-patient relationship in the age of technology: Telepsychiatry Consultations and the use of Virtual Space. *International Review of Psychiatry*. Dec;27(6):476-89.
- 2015 Hilty DM, Crawford A, Teshima J, Chan S, Sunderji N, **Yellowlees PM**, Kramer G, O'Neill P, Fore C, Luo J, Li ST. A framework for telepsychiatric training and e-health: Competency-based education, evaluation and implications. *Int Rev Psychiatry*. Dec;27(6):569-92.
- 2016 Johnston B, **Yellowlees PM**. Telepsychiatry consultations in primary care coordinated by virtual care navigators. *Psychiat Serv*, Jan 1;67(1):142.
- 2016 Bashshur RL, Shannon GW, Bashshur N, **Yellowlees PM**. The Empirical Evidence for Telemedicine Interventions in Mental Disorders. *Telemed J E Health*. Feb; 22(2):87-113.
- 2016 Hilty DM, Shoemaker EZ, Myers K, Snowdy CE, **Yellowlees PM**, Yager J. Need for and steps toward a clinical guideline for the telemental healthcare of children and adolescents. *J Child Adoles Psychopharm*. Apr;26(3):283-95.
- 2016 Torous JB, Chan SR, **Yellowlees PM**, Boland R. To Use or Not? Evaluating ASPECTS of Smartphone Apps and Mobile Technology for Clinical Care in Psychiatry. *J Clin Psychiatry*. Jun;77(6):e734-8.

Electronic Publications

- 2015 Tech-Assisted Pain Self-management: Which Modality Works Best? Three self-management modalities for chronic noncancer, nonheadache pain are compared. What's the verdict? *Experts And Viewpoints*, July. <http://www.medscape.com/viewarticle/848295>
- 2015 Home-Visit Interventions to Reduce Intimate Partner Violence. Can home-visit interventions reduce the occurrence of this all too common problem? *Experts And Viewpoints*, August. <http://www.medscape.com/viewarticle/848297>
- 2015 Preventing Depressive Relapse: Drug or Cognitive Therapy? Dr. Peter Yellowlees discusses results of a recent trial comparing mindfulness-based cognitive therapy with maintenance antidepressant treatment for the prevention of depressive relapse or recurrence. *Experts And Viewpoints*, August. <http://www.medscape.com/viewarticle/848891>
- 2015 Which Antidepressants Are Best for Older Adults? A meta-analysis indicates which antidepressants are most effective, and which are most likely to cause dizziness. *Experts And Viewpoints*, August. <http://www.medscape.com/viewarticle/848952>
- 2015 Integrated Medical/Behavioral Care and Outcomes in Kids. Dr. Peter Yellowlees discusses integrated medical/behavioral care vs. usual primary care for child and adolescent behavioral health. *Experts And Viewpoints*, November. <http://www.medscape.com/viewarticle/853567>
- 2015 Mindfulness Therapy vs. Maintenance Meds for Depression Relapse. Dr. Peter Yellowlees talks about a randomized controlled trial studying the effectiveness and cost-effectiveness of mindfulness-based cognitive therapy compared with maintenance antidepressant medication. *Experts And Viewpoints*, November. <http://www.medscape.com/viewarticle/854060>
- 2015 The Safety of SSRIs During Pregnancy. Results from a large, prospective study of expectant Finnish mothers looked at the safety of SSRIs during pregnancy. *Experts And Viewpoints*, November. <http://www.medscape.com/viewarticle/854539>
- 2015 New Data on Ketamine for Depression. A new meta-analysis explores whether or not ketamine for treating depression might be ready for the clinic. *Experts And Viewpoints*, December. <http://www.medscape.com/viewarticle/855386>
- 2016 The Verdict on Statins and Dementia Prevention? Dr. Peter Yellowlees comments on research that finally settles the question of whether statin use lowers the incidence of dementia. *Experts And Viewpoints*, February. <http://www.medscape.com/viewarticle/859055>
- 2016 Essential Adjuncts to Antipsychotic Reviews. Dr. Peter Yellowlees discusses the impact of antipsychotic review and nonpharmacologic interventions in patients with dementia living in nursing homes. *Experts And Viewpoints*, March. <http://www.medscape.com/viewarticle/859680>

- 2016 How Do Stimulant Medications Affect Sleep in Children With ADHD? Dr. Peter Yellowlees discusses a recent meta-analysis that found that stimulant medication use in children with ADHD is associated with worse sleep. *Experts And Viewpoints*, March. <http://www.medscape.com/viewarticle/859767>
- 2016 Interventions for Self-harm In Children and Adolescents. A new study sheds light on the efficacy of self-harm interventions in children and adolescents. *Experts And Viewpoints*, March. <http://www.medscape.com/viewarticle/859914>
- 2016 What Are the Mental Health Effects of Climate Change? Dr. Peter Yellowlees discusses a recent opinion article highlighting the importance of climate change in psychiatry and its potential effects on mental health. *Experts And Viewpoints*, April. <http://www.medscape.com/viewarticle/861217>
- 2016 Efficacy and Safety of Amphetamines in ADHD. Dr. Peter Yellowlees discusses a recent Cochrane review on the safety and efficacy of amphetamines for ADHD in children and adolescents. *Experts And Viewpoints*, April. <http://www.medscape.com/viewarticle/861369>
- 2016 Psychiatric Meds in Schizophrenia: Effects on Mortality. Dr. Peter Yellowlees reviews an observational study from Sweden evaluating the effect of commonly used psychiatric medications on mortality in patients with schizophrenia. *Experts And Viewpoints*, May. <http://www.medscape.com/viewarticle/862525>
- 2016 Evidence for Telemedicine in Psychiatry. Dr. Peter Yellowlees discusses a recent review that sought to identify rigorous evidence for telemedicine interventions in the treatment of mental disorders. *Experts And Viewpoints*, May. <http://www.medscape.com/viewarticle/862604>

Book Chapters

- 2015 Mucic D, Hilty D, **Yellowlees PM**. E-Mental Health toward cross cultural populations worldwide. In e-Mental Health. Eds Mucic D, Hilty D. p 77-95, Springer Publishing.
- 2015 Hilty D, **Yellowlees PM**, Myers K, Parish M, Rabinowitz, T. The effectiveness of E-Mental Health. In e-Mental Health. Eds Mucic D, Hilty D. p 95-128, Springer Publishing.
- 2015 Chan S, Torous M, **Yellowlees PM**. Psychiatric mental health apps. In e-Mental Health. Eds Mucic D, Hilty D. p 217-232, Springer Publishing.
- 2015 **Yellowlees PM**, Hilty D, Mucic D. Global and worldwide E-Mental. In e-Mental Health. Eds Mucic D, Hilty D. p 233-250, Springer Publishing.

Abstracts and Presentations

- 2015 *Telepsychiatry future directions*, Psychiatry Grand Rounds UC Davis, July 15.

- 2015 *Edgy Issues Keynote webinar – e-mental health*, Webinar for Australian College of Medical Administrators. Melbourne Australia, August 14
- 2015 *Future mental health directions* Stanford University “medX” Conference. Palo Alto, CA, September 25.
- 2015 *Asynchronous telepsychiatry*. Stanford University “medX” Conference. Palo Alto, CA, September 26.
- 2015 *Telepsychiatry 101*. Institute for Psychiatric Services. New York, October 4.
- 2015 *Asynchronous Telepsychiatry*. Institute for Psychiatric Services. New York, October 5.
- 2015 *Virtual Reality and Second Life*. UC Davis Med Students Association, November 9.
- 2015 *Physician Wellbeing*. UC Davis Dept Neurology Grand Rounds, November 10.
- 2016 *Asynchronous Telepsychiatry in primary care*. University of Colorado, Denver, February 5
- 2016 *Models of Integrated Team Based Care*. American College of Psychiatrists. Puerto Rico, February 19.
- 2016 *Telepsychiatry – safety and guidelines*. American College of Psychiatrists. Puerto Rico, February 19.
- 2016 *Physician health and wellbeing*. Anesthesiology Grand Rounds, UC Davis, March 8.
- 2016 *ATP – Training and outcomes*. ATA Conference, Minneapolis, May 24.
- 2016 *Telepsychiatry Evidence Base*. APA Conference, Atlanta, May 24.
- 2016 *ATP – Design and Engineering*. ATA Conference, Minneapolis, May 25.
- 2016 *ATP – Validity and error rates*. ATA Conference, Minneapolis, May 25.

Research Funding

Development and Recording of Medscape Psychiatry Minutes, Medscape. **Yellowlees PM** (PI 2%), 2009-2016.

Asynchronous Telepsychiatry Implementation for Depression, UCD Practice Management Board Amount: \$330,000. Scher L (PI), **Yellowlees PM** (Co-PI 4%), 2015-2017.

Asynchronous Telepsychiatry in Nursing Homes, UCD Behavioral Health Center of Excellence: \$200,000. Xiong G (PI), **Yellowlees PM** (Co-PI 5%), 2015-2017.

Telepsychiatry Services Across Languages, UCD Behavioral Health Center of Excellence: \$200,000. **Yellowlees PM** (PI 9%), 2015-2017.

A controlled trial of patient-centered telepsychiatry interventions, AHRQ: \$2.5 million. **Yellowlees PM** (PI 15%), 2013-2018.

Reducing Duration of Untreated Psychosis through rapid identification and engagement, NIMH: \$2.5 million. Carter CS (PI), **Yellowlees PM** (Investigator 2%), 2014-2018.

Community Service

President-Elect, Board of Directors of American Telemedicine Associations (ATA)

Chair, Board of Directors, HealthLinkNow, Inc.

Chair, UCDHS Wellbeing Committee

Coordinator, Short and Long Courses in Telepsychiatry, American Telemedicine Association

Member, Board of Trustees Workgroup on Telepsychiatry, American Psychiatric Association

Member, Compensation and Advisory Committee

Member, Dean's Wellness Committee, UCDHS

Member, Information Services Management Group

Member, Institute of Medicine Committee reviewing VA mental health services

Member, Editorial Board, *Journal of Participatory Medicine*

Member, Editorial Board, *Journal of Telemedicine and e-Health*

Member, Editorial Board, *Journal of Telemedicine and Telecare*

Member, NCQA Telemedicine Expert Group

Member, UCOP Telemedicine Committee

Reviewer, *BMC Medical Informatics*

Reviewer, *General Hospital Psychiatry*

Reviewer, *Annals of General Psychiatry Review*

Reviewer, *Journal of Medical Internet Research*

Reviewer, *BMC Psychiatry*

Reviewer, *American Journal of Psychiatry*

Reviewer, *Academic Psychiatry*

Reviewer, *Medical Journal of Australia*

Reviewer, *Psychiatric Services*

Reviewer, *Psychosomatics*