McLean Research Day 2016

Abstract Guide for Poster Session

*Titles and Names of Presenting Authors*

*Wednesday, January 20, 2016*

**Session 1:** 1:00-1:50pm
**Session 2:** 1:50-2:45pm
**Brief Communications:** 3:00-4:30pm
Welcome to McLean Research Day 2016!

Please visit representatives from the Office of the Chief Academic Officer, the Institutional Review Board (IRB), and Enterprise Research Infrastructure & Services (ERIS) tables during the poster session to review the resources available, ask questions and meet members of the team.

Enterprise Research Infrastructure & Services (ERIS)

ERIS is the key division of Research Information Services & Computing (RISC) that serves as your partner in technology, data and computing. ERIS provides information services and computing resources to support basic, biomedical and clinical research missions at McLean Hospital. From data collection to data analysis tools, ERIS provides specialized services that fit the researcher’s computing needs. Many of the services are shared across Partners HealthCare and available at no cost.

ERIS provides computational resources and scientific computing support to the research community at Partners HealthCare hospitals. Our high-performance analysis servers, compute clusters and storage are relied upon daily for data processing and analysis by research groups across the organization. Clinical computational workflows such as genome sequencing and radiation dosimetry are supported.

To provide flexible and customized solutions, ERIS operates the Research Computing Core. The Core is the fee-for-service division that offers custom systems development and consulting, data storage, data backup and security documentation services to researchers at below market rates.

The Research Computing Core also resells software licenses to researchers at academic or bulk pricing. Researchers reimburse the core for the cost of the software, upgrades and maintenance. Current offerings include SAS, Stata, MATLAB, GraphPad Prism, Safari Books Online and Freezerworks.

POSTER SESSION:

Poster #1 (1:00-1:50pm) Title: “Improving Borderline Personality Disorder Care and Treatment Resources in the Dominican Republic” presented by Elizabeth Albert BA, McLean Hospital, Borderline Personality Disorder Training Institute

Poster #2 (1:50-2:45pm) Title: “Early Postnatal Treatment with Lipopolysaccharide (LPS) as a Mouse Model of Immune-Mediated ASD” presented by Abigail Alexander Research Assistant II, McLean Hospital, Behavioral Genetics Laboratory

Poster #3 (1:00-1:50pm) Title: “Decreased Number of Perineuronal Nets in the Reticular Thalamic Nucleus of Individuals with Schizophrenia or Bipolar Disorder” presented by Magdalena Ardelt Senior Research Associate, Translation Neuroscience Laboratory, McLean Hospital

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Posters available for viewing 9:00-5:00

Staffed poster session: Odd numbered posters: 1:00-1:50, Even numbered posters: 1:50-2:45
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Poster Session Abstract Titles

**Poster # 4,** (1:50-2:45pm) Title: “Longitudinal Description and Prediction of Physical Inactivity among Borderline Patients and Axis II Comparison Subjects” presented by Argyro Athanasiadi Visiting Post Doctoral Research Fellow & M.D., MSc., McLean Hospital & Laboratory for the Study of Adult Development

**Poster # 5,** (1:00-1:50pm) Title: “The impact of impulsivity and anxiety sensitivity on abstinence self-efficacy in adults with substance use disorders.” presented by Allen Bailey Community Residence Counselor, BHP

**Poster # 6,** (1:50-2:45pm) Title: “Lack of Association of Morbid History with Recovery During Treatment of Major Depression in 515 Mood Disorder Patients” presented by Ross Baldessarini Professor of Psychiatry (Neuroscience), International Consortium for Bipolar & Psychotic Disorder Research

**Poster # 7,** (1:00-1:50pm) Title: “Trace-fear conditioning alters the expression of NMDA receptor related genes in relevant brain regions” presented by Darrick Balu Assistant Professor, McLean Hospital / Translational Psychiatry Laboratory

**Poster # 8,** (1:50-2:45pm) Title: “Effects of Chronic Treatment with Bupropion on Nicotine, Cocaine, and Nicotine + Cocaine Polydrug Self-Administration” presented by Claire Barkin Technical Research Assistant; BA, McLean Hospital- Preclinical Pharmacology Program

**Poster # 9,** (1:00-1:50pm) Title: “Investigating source memory retrieval in unipolar depression” presented by Elyssa Barrick Clinical Research Assistant II, Motivated Learning & Memory Lab; Center for Depression, Anxiety and Stress Research

**Poster # 10,** (1:50-2:45pm) Title: “Non-Suicidal Self-Injury Among Childhood Psychiatric Inpatients” presented by Kristen Batejan Ph.D., Postdoctoral Fellow, McLean Hospital

**Poster # 11,** (1:00-1:50pm) Title: “Attentional bias to smoking cues is associated with deficits in cognitive flexibility in nicotine-dependent smokers” presented by Jennifer Betts Clinical Research Assistant II, McLean Hospital/Behavioral Psychopharmacology Research Lab

**Poster # 12,** (1:50-2:45pm) Title: “Clinical experience with injectable naltrexone treatment in six patients with alcohol and opioid use disorder and comorbid psychiatric disorders: retrospective case studies.” presented by Olivera Bogunovic MD, Instructor in Psychiatry, McLean Hospital

**Poster # 13,** (1:00-1:50pm) Title: “Prescription Stimulant Use is Associated with Earlier Onset of Psychosis” presented by Lauren Moran Psychiatrist-in-Charge, Instructor, Schizophrenia and Bipolar Disorders Program (Ongur)

**Poster # 14,** (1:50-2:45pm) Title: “Cognitive Behavior Therapy for Depressed Adolescents: Normalization of Electrocortical Reactivity during Self-Referential Processing” presented by Erin Bondy Clinical Research Assistant II, B.A., McLean Hospital, Child and Adolescent Mood Disorders Laboratory

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Posters available for viewing 9:00-5:00
Staffed poster session: Odd numbered posters: 1:00-1:50, Even numbered posters: 1:50-2:45
Poster # 15, (1:00-1:50pm) Title: “Predictors of Time-to-Cessation of Individual Therapy for Borderline Patients” presented by Dana B. Borkum Clinical Research Assistant II, B.S., Mclean Hospital Laboratory for the Study of Adult Development

Poster # 16, (1:50-2:45pm) Title: “Lower Posterior Cingulate Cortex Glutathione Levels in Obsessive-Compulsive Disorder” presented by Brian Brennan Associate Medical Director, Obsessive-Compulsive Disorders Institute, Mclean Hospital; Assistant Professor of Psychiatry, Harvard Medical School, Biological Psychiatry Laboratory, McLean Hospital

Poster # 17, (1:00-1:50pm) Title: “How Inpatient OCD Populations Vary by Gender” presented by Margaret Brennan Practicum Student, B.A., OCDI, OCAR

Poster # 18, (1:50-2:45pm) Title: “Integrating Yoga with Cognitive Behavioral Therapy: Perceived Benefits, Acceptability, and Feasibility in a Partial Hospital Setting” presented by Jennifer Buchholz Community Residence Counselor, BA, Behavioral Health Partial Program

Poster # 19, (1:00-1:50pm) Title: “Parvalbumin Neurons in the Reticular Nucleus of the Thalamus: Potential role in the Pathophysiology of Schizophrenia” presented by Syed Bukhari Technical Research Assistant II, McLean Hospital Translational Neuroscience Laboratory

Poster # 20, (1:50-2:45pm) Title: “Current Marijuana Use Impairs Verbal Learning and Memory In Current But Not Former Users” presented by Korine Cabrera Clinical Research Assistant II, Cognitive and Clinical Neuroimaging Core

Poster # 21, (1:00-1:50pm) Title: “BINGE DRINKING AND EMERGING ADULTHOOD: PARSING RISK FROM RESILIENCE” presented by Carolyn Caine Clinical Research Assistant II, McLean Hospital, Neurodevelopmental Laboratory on Addictions and Mental Health

Poster # 22, (1:50-2:45pm) Title: “The Valinor Project: Understanding and Intervening in Self-Injurious Thoughts and Behaviors on Social Media Sites” presented by Chelsea Caracciolo Community Residence Counselor, B.A., Gunderson Residence, Lois Choi-Kain

Poster # 23, (1:00-1:50pm) Title: “MOCA predicts treatment outcomes in Severe OCD” presented by Jordan Cattie Postdoctoral fellow, OCDI OCAR

Poster # 24, (1:50-2:45pm) Title: “Gender Differences in the Symptom Profile of Borderline Personality Disorder?: A Network Analysis Approach” presented by Joey Cheung Student Visitor, Undergraduate Student, Behavioral Health Partial Hospital Clinical Research Program

Poster # 25, (1:00-1:50pm) Title: “Corticolimbic dysfunction and rumination as mediating factors in the relationship between early life stress and depressive symptoms” presented by Rachel Clegg Clinical Research Assistant II, Center for Depression, Anxiety, and Stress Research
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**Poster # 26**, (1:50-2:45pm) Title: “Impact of Acute Alcohol and Nicotine use on Emotional Impulsivity: Associations with Resting State Perfusion in Reward Circuitry” presented by Julia Cohen-Gilbert, Instructor, McLean Hospital, McLean Imaging Center, Neuroimaging Laboratory on Addictions and Mental Health

**Poster # 27**, (1:00-1:50pm) Title: “Striatal morphology is associated with frequency of recent substance use and age in substance abuse treatment patients” presented by Marc Copersino, Associate Psychologist/Assistant Professor, McLean Hospital, Division of Alcohol and Drug Abuse

**Poster # 28**, (1:50-2:45pm) Title: “Relationships between depression, self-reflective rumination and creative thinking in a transdiagnostic psychiatric sample” presented by Erin Corcoran, Research Student, Behavioral Health Partial Program

**Poster # 29**, (1:00-1:50pm) Title: “Highlights: Preliminary Results Indicate Improved Cognitive Control Processing with Medical Marijuana Use” presented by Mary Kathryn Dahlgren, Senior Clinical Research Assistant, M.S., Cognitive and Clinical Neuroimaging Core

**Poster # 30**, (1:50-2:45pm) Title: “Delay Discounting among Inpatients with Opioid Use Disorder: Differences between Heroin and Prescription Opioid Users” presented by Sterling Karakula, Clinical Research Assistant, B.S., McLean Hospital, Alcohol and Drug Abuse Clinical Research Program

**Poster # 31**, (1:00-1:50pm) Title: “Pharmacological Characterization of the Discriminative-Stimulus Effects of the Nicotinic Agonist (+)-Epibatidine in Squirrel Monkeys” presented by Michelle Doyle, Technical Research Assistant, Preclinical Pharmacology Laboratory

**Poster # 32**, (1:50-2:45pm) Title: “Examining Abnormal Reward Learning In Bipolar Disorder” presented by Magda Dubois, Visiting Grad Student, Laboratory for Affective and Translational Neuroscience - Center for Depression, Anxiety and Stress Research

**Poster # 33**, (1:00-1:50pm) Title: “Lower Perceptual Sensitivity to Negative Facial Emotion Expressions in Schizophrenia” presented by Tor Ekstrom, B.A., Mclean Hospital Visual Psychophysiology Lab

**Poster # 34**, (1:50-2:45pm) Title: “Incorporating temporal delay information about systemic physiological signals enhances noise removal from resting state fMRI data” presented by Sinem Erdogan, Postdoctoral Research Fellow, Cognitive and Clinical Neuroimaging Core

**Poster # 35**, (1:00-1:50pm) Title: “Predictors of Rehospitalization for Depressed Adolescents Admitted to Acute Psychiatric Treatment” presented by Erika Esposito, Research Assistant, BA, McLean Hospital - Child and Adolescent Mood Disorders Lab

**Poster # 36**, (1:50-2:45pm) Title: “Anhedonia in posttraumatic stress disorder, major depression, and their comorbid presentation” presented by Jason Haberman, Clinical Research Assistant II, BA, McLean Hospital, Center for Depression, Anxiety and Stress Research

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**Poster Session Abstract Titles**

**Poster #37**, (1:00-1:50pm) Title: “Understanding the relationship between outer and inner setting implementation climate constructs to facilitate rapid adoption of mental health integration within a diverse primary care practices.” presented by Brent Forester Chief, Division of Geriatric Psychiatry; Assistant Professor of Psychiatry, Geriatric Psychiatry Research Program

**Poster #38**, (1:50-2:45pm) Title: “Resting-state medial prefrontal cortex connectivity in major depression reveals increased connectivity with the lateral prefrontal cortex and thalamus” presented by Rena Fukunaga Research Postdoctoral Fellow, Anxiety and Traumatic Stress Disorders Laboratory, McLean Hospital, Belmont MA; Department of Psychiatry, Harvard Medical School, Boston, MA

**Poster #39**, (1:00-1:50pm) Title: “The Role of Distress Tolerance in Obsessive-Compulsive Disorder and Treatment Outcome” presented by Lauryn Garner Research Coordinator, B.A., Obsessive-Compulsive Disorder Institute, Office of Clinical Assessment and Research

**Poster #40**, (1:50-2:45pm) Title: “Substance Use Disorders in the Elderly: Diagnosis and Treatment Challenges” presented by Jennifer Gatchel Assistant Psychiatrist; Instructor in Psychiatry, Harvard Medical School, McLean Hospital, Division of Geriatric Psychiatry

**Poster #41**, (1:00-1:50pm) Title: “Insula Cortical Thickness Relates to Impulse Control in Adolescents and Emerging Adults” presented by Noa Golan Clinical Research Co-op Student, McLean Neurodevelopmental Lab on Addictions and Mental Health

**Poster #42**, (1:50-2:45pm) Title: “Clinical trial to reduce cardiovascular health risks in patients with severe mental illness” presented by Jacqueline Goldbach Clinical Research Assistant II, McLean Hospital, SBDP

**Poster #43**, (1:00-1:50pm) Title: “Acute effects of alcohol and nicotine on perfusion and functional connectivity in reward and cognitive-control brain circuitry” presented by Lisa Nickerson Director Statistical Neuroimaging Lab, Assistant Professor, HMS

**Poster #44**, (1:50-2:45pm) Title: “Subcellular localization of HDAC4 affects amygdala-dependent fear memory.” presented by Stephanie Maddox Research Fellow, Neurobiology of Fear Laboratory

**Poster #45**, (1:00-1:50pm) Title: “Pre-clinical In vitro and In vivo characterization of xeno-free and foot-print-free iPSC-derived cell preparations for Parkinson’s disease cell therapy” presented by Teresia Osborn Instructor, Neuroregeneration Research Institute

**Poster #46**, (1:50-2:45pm) Title: “A Multimethod Approach to Understanding Implicit Identification with Non-Suicidal Self-Injury” presented by Stephanie Jarvi Doctoral student in clinical psychology, Behavioral Health Partial Program at McLean

**Poster #47**, (1:00-1:50pm) Title: “Sex-dependent effects of juvenile methylphenidate and guanfacine on impulsive choice and cocaine self-administration” presented by Kevin Norman Technical Research Assistant II, McLean Hospital/ Lab of Developmental Neuropharmacology

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**Wednesday, January 20, 2016**

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Poster # 48, (1:50-2:45pm) Title: “Mef2c regulates cortical synaptic balance and behaviors relevant to intellectual and developmental disorders.” presented by Adam Harrington Postdoctoral Research Fellow, McLean Hospital; Integrative Neurobiology Lab

Poster # 49, (1:00-1:50pm) Title: “Behavior and Symptom Identification Scale (BASIS-24): Developing Clinical Cut Scores and Effective Change for Psychiatric Patients” presented by Thomas Idiculla PhD, Director & Instructor in Psychiatry, McLean, Mental Health Services Evaluation Department

Poster # 50, (1:50-2:45pm) Title: “Reward learning across the mood disorder spectrum” presented by Manon Ironside Clinical Research Assistant II, McLean Hospital/Harvard Medical School, Laboratory for Affective and Translational Neuroscience

Poster # 51, (1:00-1:50pm) Title: “Severity of Substance Use, Functioning, and Overall Health in Individuals with Co-Occurring Substance Use and Personality Disorders in the Stage II Women’s Recovery Group (WRG) trial” presented by Brittany Iles Clinical Research Assistant II, B.S., Alcohol and Drug Abuse Treatment Program, McLean Hospital

Poster # 52, (1:50-2:45pm) Title: “Structural, Functional and Epigenetic Responses to Olfactory Fear Extinction Training in Mice” presented by Filomene Morrison Graduate Student, Emory University and McLean Hospital, Ressler Lab

Poster # 53, (1:00-1:50pm) Title: “Promoting Recovery Oriented Practice: Partnering with our Patient/Family Advisory Council” presented by Linda Flaherty

Poster # 54, (1:50-2:45pm) Title: “Effects of Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) Signaling on Social Interaction” presented by Rachel Donahue Graduate Student, McLean Hospital/Harvard Medical School, Behavioral Genetics Lab

Poster # 55, (1:00-1:50pm) Title: “The Evolving Role for Nurses in Neuromodulation Services” presented by Paula Bolton MS, ANP-BC, McLean Hospital Psychiatric Nuerotherpeutics Program

Poster # 56, (1:50-2:45pm) Title: “Neurobiology of dissociative and non-dissociative responses to chronic childhood abuse and neglect” presented by Lauren Lebois Research Fellow in Psychiatry, McLean Hospital/Harvard Medical School

Poster # 57, (1:00-1:50pm) Title: “Trauma and Self-Medication: A psychotherapy group for first-responders with co-occurring psychiatric and substance-use disorders.” presented by Thomas Ledoux Thomas Ledoux, Psy.D. - Postdoctoral Fellow, Addiction Psychology, McLean Hospital/McLean Fernside

Poster # 58, (1:50-2:45pm) Title: “Cognitive Variability in Psychosis: Cluster Solution Replication and Association with Resting State Networks” presented by Eve Lewandowski Director of Clinical Programming; Assistant Professor, McLean Hospital/Harvard Medical School

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Poster # 59, (1:00-1:50pm) Title: “Development of an Outpatient Trauma Treatment Program: Meeting the Needs of LEADER (Law Enforcement, Active Duty, Emergency Responder) Men and Women Exposed to Traumatic Events” presented by Nina Lewis-Schroeder, PhD Clinical Psychologist/Instructor in Psychology, McLean Hospital/The Dissociative Disorders and Trauma Research Program

Poster # 60, (1:50-2:45pm) Title: “Effects of maternal immunoactivation on neurotransmission in mPFC-amygdala circuits” presented by Yan Li Instructor in Psychiatry, Cellular Neurobiology Lab

Poster # 61, (1:00-1:50pm) Title: “Descriptive data of a male mental health residential treatment service for law enforcement, active duty military and emergency responders (LEADER) after one year” presented by Austin Lin Chief Resident, Harvard South Shore Psychiatry Residency Program

Poster # 62, (1:50-2:45pm) Title: “Impaired Social Reward Learning in Dysphoria” presented by Isobel Green Student Visitor, BA Candidate, Harvard University, Laboratory for Affective and Translational Neuroscience

Poster # 63, (1:00-1:50pm) Title: “Positive Beliefs about Mental Illness: Associations with Gender, Age, Mania/Hypomania, and Clinical Outcomes” presented by Forgeard Marie PhD, Postdoctoral Fellow, Behavioral Health Partial Program

Poster # 64, (1:50-2:45pm) Title: “Sleep Health in First Responders: Initial Results from the McLean LEADER Program” presented by Brendon McCue Clinical Psychology Practicum Student, BA, Alcohol and Drug Abuse Treatment Program

Poster # 65, (1:00-1:50pm) Title: “Childhood trauma relates to resting state connectivity between the amygdala and hippocampus in trauma-exposed adults” presented by Analise McGreal Clinical Research Assistant, B.S., Center for Depression, Anxiety, and Stress Research; McLean Hospital

Poster # 66, (1:50-2:45pm) Title: “A 9p24.1 copy number variant (CNV) associated with psychosis results in prepulse inhibition and latent inhibition deficits in mice” presented by Patrick McGuinness Research Assistant, Laboratory of Genetic Neuropharmacology

Poster # 67, (1:00-1:50pm) Title: “Epigenetic Factors Can Dysregulate the GABA Cell Phenotype in Schizophrenia” presented by Sivan Subburaju Assistant Molecular Neuroscientist, Instructor in Psychiatry, Program in Structural and Molecular Neuroscience, McLean Hospital, Harvard Medical School

Poster # 68, (1:50-2:45pm) Title: “Identifying the Gender-Specific Needs of Men in Treatment for Substance Use Disorders” presented by Dawn Sugarman Assistant Psychologist, McLean Hospital; Instructor, Harvard Medical School, McLean Hospital; ADATP
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Poster # 69, (1:00-1:50pm) Title: “Comorbidity and functioning of substance dependent women with sexual abuse history in the Stage II Women’s Recovery Group therapy trial” presented by Shelly Greenfield Chief Academic Officer, McLean Hospital; Chief, Division of Women's Mental Health, Division of Alcohol and Drug Abuse, McLean Hospital; Division of Women's Mental Health, McLean Hospital; Harvard Medical School

Poster # 70, (1:50-2:45pm) Title: “Epigenetic Consequences of Early Life Stress” presented by Torsten Klengel post-doc, Ressler Lab

Poster # 71, (1:00-1:50pm) Title: “Posttraumatic Stress Disorder as a Predictor of Opioid Use Disorder, Mood Symptom Severity, and Suicidality in Adolescents” presented by Dana Sarvey Staff Psychiatrist/Instructor in Psychiatry at Harvard Medical School, McLean Hospital, Adolescent ART

Poster # 72, (1:50-2:45pm) Title: “Effects of chronic social defeat stress on sensitivity to reward and aversion” presented by Emery Mokler Technical Research Assistant II, BA, McLean Hospital, Behavioral Genetics Laboratory

Poster # 73, (1:00-1:50pm) Title: “Relationships Between Auditory Gamma Oscillations and Symptom Severity in Patients with Psychosis” presented by Nora Mueller Clinical Research Assistant II, McLean Hospital, Schizophrenia and Bipolar Disorder Program

Poster # 74, (1:50-2:45pm) Title: “Depression in First Responders at McLean: Clinical Characteristics” presented by Beth Murphy Medical Director, CEC and Clinical Instructor

Poster # 75, (1:00-1:50pm) Title: “Mismatch Negativity in Schizophrenia and Bipolar Disorder and its Association with Smoking and Clinical Variables” presented by Emily Ness Clinical Research Assistant II, B.A., Schizophrenia and Bipolar Disorder Research Program

Poster # 76, (1:50-2:45pm) Title: “Deletion of CNTNAP2 and White Matter Changes in Schizophrenia” presented by Atilla Gonenc Instructor, MIC - CCNC

Poster # 77, (1:00-1:50pm) Title: “Chondroitin Sulfate Proteoglycan expression in the human olfactory system: implications for the pathophysiology of schizophrenia” presented by Fadi Hamati Research Technician, McLean Hospital; Translational Neuroscience Lab

Poster # 78, (1:50-2:45pm) Title: “Accelerated delay discounting is associated with anhedonia and nucleus accumbens resting state functional connectivity following trauma exposure” presented by Elizabeth Olson Instructor, McLean Hospital, Anxiety and Traumatic Stress Disorders Lab

Poster # 79, (1:00-1:50pm) Title: “Nucleus Accumbens Volume Predicts Delay Discounting in Emerging Adult Binge Drinkers” presented by Emily Oot Academic Credit Student, McLean Imaging Center, Neurodevelopmental Laboratory on Addictions and Mental Health

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Poster Session Abstract Titles

Poster # 80, (1:50-2:45pm) Title: “Acute and chronic effects of cannabidiol on Δ9-tetrahydrocannabinol (Δ9-THC)-induced disruption in stop signal task performance” presented by David Jacobs Technical Research Assistant, B.A., McLean Hospital, Preclinical Pharmacology Program

Poster # 81, (1:00-1:50pm) Title: “Effects of the kappa opioid receptor partial agonist 12-epi salvinorin A on brain stimulation reward in male and female rats” presented by Sarah Page Technical Research Assistant II, Division of Basic Neuroscience, Neurobiology of Motivated Behavior Laboratory

Poster # 82, (1:50-2:45pm) Title: “Insula reactivity to negative stimuli is associated with daily cigarette use: a preliminary investigation using the Human Connectome Database.” presented by Alyssa Peechakta Graduate Research Fellow, Functional Integration of Addiction Research Lab

Poster # 83, (1:00-1:50pm) Title: “Adolescent Depression: Probing Neural Mechanisms Underlying Social Reward Processes” presented by Angela Pisoni Research Assistant, Child and Adolescent Mood Disorders Laboratory

Poster # 84, (1:50-2:45pm) Title: “Sex differences in insula volume in cannabis dependence and association with emotion and cognition” presented by Meina Quan postdoctoral research fellow, McLean Imaging Center, Statistical Neuroimaging in Addiction and Psychiatry (SNAP) lab

Poster # 85, (1:00-1:50pm) Title: “The role of MEF2C in GABAergic circuit formation in a mouse model of autism” presented by Aram Raissi Postdoc, McLean Hospital-Integrative Neurobiology Laboratory

Poster # 86, (1:50-2:45pm) Title: “Increases in Locomotor Activity during Spontaneous Cannabinoid Withdrawal in Mice” presented by Curtis Rheingold Technical Research Assistant, McLean Hospital, Preclinical Pharmacology Laboratory

Poster # 87, (1:00-1:50pm) Title: “Effects of voluntary nicotine self-administration on fear conditioning in rats” presented by Elysia Ridener Technical Research Assistant 2, Harvard Medical School Behavioral Genetics Laboratory

Poster # 88, (1:50-2:45pm) Title: “A Randomized Controlled Trial of a Transdiagnostic Cognitive Bias Modification-Interpretation Adjunct Treatment in a Partial Hospital” presented by Lara Rifkin Clinical Research Coordinator, BA, Behavioral Health Partial Hospital Program (BHP), McLean Hospital

Poster # 89, (1:00-1:50pm) Title: “Older Adults Embracing Mindfulness, Meditation and New Technologies” presented by Cindy Ruscitti Nurse Director, MSN RN, McLean Hospital--inpatient

Poster # 90, (1:50-2:45pm) Title: “DNA methylation implicates zinc finger transcription factors and WNT signaling in functional distinction of phenotypically similar neuronal populations in human hippocampus” presented by W. Brad Ruzicka Instructor in Psychiatry, Benes Lab, Harvard Medical School

Poster # 91, (1:00-1:50pm) Title: “A Volumetric MRI Study of the Basal Ganglia in Geriatric Patients with Bipolar Disorder” presented by Christine Santiago Medical Student, Harvard Medical School and Dr. Brent Forester's lab

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**Poster # 92,** (1:50-2:45pm) Title: “Do Locus of Control and Scrupulosity Predict OCD Treatment Outcome?” presented by Leslie Shapiro Behavior Therapist, MSW, OCD Institute Office of Clinical Assessment and Research

**Poster # 93,** (1:00-1:50pm) Title: “Drug-Induced Hyponatremic Encephalopathy” presented by Arthur Siegel Director, Internal Medicine; associate professor of medicine, HMS, McLean and MGH

**Poster # 94,** (1:50-2:45pm) Title: “Must I Accept before I can change?” presented by Ólafía Sigurjónsdóttir Phd candidate, McLean Hospital, BHP

**Poster # 95,** (1:00-1:50pm) Title: “Essential role for Arc in cocaine addiction-related behaviors and synapse plasticity” presented by Laura Smith Instructor, Harvard Medical School, McLean Hospital, Integrative Neurobiology Laboratory

**Poster # 96,** (1:50-2:45pm) Title: “Measures of Impulsivity in Healthy Controls, Current and Former Marijuana Users” presented by Rosemary Smith Senior Clinical Research Assistant, McLean Hospital, Cognitive and Clinical Neuroimaging Core

**Poster # 97,** (1:00-1:50pm) Title: “Acute Alcohol and Nicotine Effects on Hippocampal-based Memory Performance and Resting State Quantitative Perfusion” presented by Jennifer Sneider Associate Neuroscientist, Instructor, McLean Imaging Ctr/Neurodevelopmental Lab on Addictions and Mental Health

**Poster # 98,** (1:50-2:45pm) Title: “miRNAs and their involvement in the pathology of dopamine neurons in Parkinson’s disease” presented by Kai-Christian Sonntag M.D., Ph.D., Assistant Professor, Division of Basic Neuroscience, Department of Psychiatry

**Poster # 99,** (1:00-1:50pm) Title: “Modulation of theta oscillations by fear conditioning and extinction during simultaneous EEG and fMRI” presented by Matthias F. J. Sperl Graduate Student, McLean Hospital; Center for Depression, Anxiety and Stress Research

**Poster # 100,** (1:50-2:45pm) Title: “Adolescent co-occurring disorders: Opioid use and motivation to change.” presented by Elena Stein Research Assistant, McLean Neurodevelopmental Lab on Addictions and Mental Health

**Poster # 101,** (1:00-1:50pm) Title: “Unpacking Differences in Attentional Biases for Emotional and Suicide-Related Words Among Adolescent Suicide Ideators and Attempters” presented by Jeremy Stewart Postdoctoral Research Fellow, Center for Depression, Anxiety and Stress Research

**Poster # 102,** (1:50-2:45pm) Title: “Temporal Unfolding of Positive and Negative Affect following an Ecologically Valid Social Stressor” presented by Malavika Mehta Clinical Research Assistant II, McLean Hospital/Harvard Medical School
Poster # 103, (1:00-1:50pm) Title: “Magnetic resonance spectroscopy evidences striatal magnetic abnormalities in young adult SAPAP3 knockout mice” presented by Dionyssios Mintzopoulos Asst Biophysicist, Instructor, McLean Imaging Core, 94T Translational Imaging Laboratory

Poster # 104, (1:50-2:45pm) Title: “Some nicotinic behavioral effects of tobacco smoke constituents in nonhuman primates” presented by Katherine Sullivan Sr. Technical Research Assistant, McLean - Bergman Lab - Preclinical Pharmacology

Poster # 105, (1:00-1:50pm) Title: “Npas4, novel HDAC5 target gene, mediates its role in limiting cocaine reward-related behavior” presented by Makoto Taniguchi Assistant Neuroscientist, Integrative Neurobiology laboratory

Poster # 106, (1:50-2:45pm) Title: “Self-Referential Processing in Adolescents with Borderline Personality Disorder” presented by Naomi Tarlow Clinical Research Assistant, Child and Adolescent Mood Disorders Laboratory

Poster # 107, (1:00-1:50pm) Title: “Adaptive versus maladaptive perfectionism in OCD: can perfectionism be advantageous in treatment?” presented by Eric Tifft Clinical Research Assistant, OCD Institute Office of Clinical Assessment and Research

Poster # 108, (1:50-2:45pm) Title: “Which comes first? Age of onset in comorbid MDD and Alcohol dependence in a psychiatric setting” presented by Nisha Udupa Student Visitor, Undergraduate Student, Behavioral Health Partial Hospital Program

Poster # 109, (1:00-1:50pm) Title: “Reduced Nucleus Accumbens Response During Social Reinforcement Learning in Major Depressive Disorder” presented by Aubree Uhl Clinical Research Assistant II, Center for Depression, Anxiety, and Stress Research

Poster # 110, (1:50-2:45pm) Title: “Associations of Behavioral Inhibition and Cognitive Functioning in Relation to Symptom Subtype and Treatment Response in Severe OCD” presented by Maria Valmas Senior Research Assistant, M.A., Obsessive Compulsive Disorders Institute

Poster # 111, (1:00-1:50pm) Title: “Relationship between emotion regulation and worry in the treatment of OCD” presented by Nathaniel Van Kirk Post-doctoral Research Fellow, Office of Clinical Assessment and Research at the OCD Institute

Poster # 112, (1:50-2:45pm) Title: “Clathrin Nanoparticles Efficiently Deliver Antibodies to Targeted Dopamine Brain Regions” presented by Gordana Vitaliano Instructor, Brain Imaging Nanotechnology Group, MIC

Poster # 113, (1:00-1:50pm) Title: “Perceived Barriers to Smoking Cessation among Adults with Substance Use Disorders” presented by Victoria Votaw Clinical Research Assistant, B.A., McLean Hospital, Alcohol and Drug Abuse Treatment Program

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McLean Research Day 2016
Poster Session Abstract Titles

**Poster #114**, (1:50-2:45pm) Title: “Treatment of prescription opioid dependence: long-term follow-up” presented by Roger Weiss Professor of Psychiatry, Chief, Division of Alcohol and Drug Abuse

**Poster #115**, (1:00-1:50pm) Title: “Psychometric Properties and Clinical Utility of the McLean Assessment of Rejection Sensitivity” presented by Inga Wessman Practicum student, McLean Hospital, BHP

**Poster #116**, (1:50-2:45pm) Title: “Risk factors for increased length of stay in child emergency psychiatry visits” presented by Anna K Wiste Resident (MGH/McLean adult psychiatry residency), Center for Experimental Drugs and Diagnostics, Massachusetts General Hospital, Perlis Lab

**Poster #117**, (1:00-1:50pm) Title: “Efficacy related modulation of behavioral effects of opioids during chronic buprenorphine treatment in squirrel monkeys” presented by Sarah Withey Ph.D Postdoctoral Fellow, Harvard Medical School. McLean Hospital Preclinical pharmacology

**Poster #118**, (1:50-2:45pm) Title: “The Role of Case Management in an Outpatient Buprenorphine Program” presented by Justine Wittenauer Addiction Psychiatry Fellow, Partners HealthCare

**Poster #119**, (1:00-1:50pm) Title: “Differences in delay discounting across the mood disorder spectrum: A high-density event-related potential study” presented by Melissa Yuan Academic Credit Student, Center for Depression, Anxiety, and Stress Research, McLean Hospital