UMMS Psychiatry Department Research Directory

Faculty Directory 2008-2009
Psychiatry Research
Faculty Directory
2008-2009

Faculty Member Index (alphabetical by last name)
(Key Word Index located on pages 142-144)

Schahram Akbarian, M.D., Ph.D.-----------------------------------------------7
Stuart Anfang, M.D. ---------------------------------------------------------9
Kenneth Appelbaum, M.D. ---------------------------------------------------10
Rasim Arikan, M.D., Ph.D. --------------------------------------------------11
Stuart Bartle, M.D. ----------------------------------------------------------13
Robert W. Bass, Ph.D. -------------------------------------------------------14
Sheldon Benjamin, M.D. ------------------------------------------------------15
Kathleen Biebel, Ph.D. ------------------------------------------------------16
Alan Birnbaum, Ph.D. --------------------------------------------------------17
Harvey Budner, M.D. ---------------------------------------------------------18
Nancy Byatt, D.O., M.B.A. ---------------------------------------------------19
Philip Candilis, M.D. --------------------------------------------------------20
Robert Carey, Ph.D. ----------------------------------------------------------21
Lauren R Charlot, Ph.D. -----------------------------------------------------22
Maryann Davis, Ph.D. --------------------------------------------------------24
Leonard Doerfler, Ph.D. -----------------------------------------------------26
William V. Dube, Ph.D. ------------------------------------------------------28
Deborah C. Field, M.D. ------------------------------------------------------31
William Fisher, Ph.D. --------------------------------------------------------32
Raymond B. Flannery, Jr., Ph.D. ----------------------------------------------34
Richard K. Fleming, Ph.D. ---------------------------------------------------35
Kenneth Fletcher, Ph.D. ------------------------------------------------------37
Lisa R. Fortuna, M.D., M.P.H. -----------------------------------------------39
Jean A. Frazier, M.D. --------------------------------------------------------41
Geri Fuhrmann, Psy.D. -------------------------------------------------------44
Carl Fulwiler, M.D., Ph.D. ................................................................. 45
Jeffrey J. Gaines, Ph.D. ................................................................. 46
Paul D. Gardner, Ph.D. ................................................................. 47
Jessica B. Edwards George, Ph.D. .................................................. 49
Gerardo Gonzalez, M.D. ............................................................... 51
Thomas Grisso, Ph.D. ................................................................. 54
Albert Grudzinskas Jr., J.D. ........................................................... 55
Sarah Guzofski, M.D. ................................................................. 57
David Haddad, Ed.D. ................................................................. 58
Charles Hamad, Ph.D. ............................................................... 59
Kamlyn Haynes, M.D. ................................................................. 60
Elizabeth White Henrikson, Ph.D., ABPP-CN .................................. 61
Marie Hobart, M.D. ................................................................. 62
Jacob Holzer M.D. ................................................................. 63
Thomas Horn, M.D. ................................................................. 64
John J. Iwuc, M.D. ................................................................. 65
Sun S. Kim, Ph.D., RN .............................................................. 66
Jean King, Ph.D. ................................................................. 67
Daniel Kirsch, M.D. ................................................................. 69
Monika E. Kolodziej, Ph.D. ......................................................... 70
Kimberly Larson, J.D., Ph.D. ...................................................... 72
Aaron Lazare, M.D. ................................................................. 73
Charles Lidz, Ph.D. ................................................................. 74
Karen Lionello-DeNolf, Ph.D. ...................................................... 75
Rebecca Lundquist, M.D. .......................................................... 77
Anne Lutz, M.D. ................................................................. 78
Wendy K Marsh, M.D. ............................................................. 79
Gilles E. Martin, Ph.D. ............................................................... 80
Allen Masry, M.D. ................................................................. 82
Julia Matthews, Ph.D., M.D. ....................................................... 83
Joseph C. McGill, MSW, LICSW .................................................. 84
William McIlvane, Ph.D. ........................................................... 85
Colleen McKay, M.A., C.A.G.S. ................................................... 87
Thomas McLaughlin, M. Div., Sc.D. ............................................. 89
This booklet was developed based on information that faculty provided about themselves between January and August 2008.

If you are not included in this booklet, or would like to make corrections or list current projects here, please send all corrections and additional information to Nicki Fox (nicki.fox@umassmed.edu).
Schahram Akbarian, M.D., Ph.D.
Phone: (508) 856-8204
E-mail: Schahram.Akbarian@umassmed.edu

**Academic Role:** Associate Professor of Psychiatry

**UMass Program/Service Affiliations:**
Associate Director, Brudnick Neuropsychiatric Research Institute

**Research Interests:**
1. Epigenetic Regulation of Brain Function and Behavior
2. Molecular pathology of Autism Spectrum Disorders and Schizophrenia

**Research Summary:**
Molecular biology of schizophrenia, psychoses, autism and addiction disorders. Transgenic mouse models and molecular analysis of human disease.

**Representative Publications from the last 12 months:**


Ongoing Projects:

Title: *Epigenetic Changes in Frontal Lobe of Schizophrenics*
Major Goals: The major goal of this proposal is to determine #1) if in human brain, region-specific expression of NMDA receptor subunits genes is regulated through differential histone acetylation and methylation at the promoter and #2) if in prefrontal cortex of schizophrenics, decreased expression of metabolic or NMDA receptor mRNAs is accompanied by a deficit in open chromatin-associated histone methylation at the corresponding genes.

**1R01HD048489-01**
NIH/NICHHD
01/10/2005- 12/31/2009
2.76 calendar months

Title: *Chromatin Alterations in Rett Syndrome*
Major goals: This proposal will test the hypothesis that histone hyperacetylation contributes to the Rett syndrome phenotype. In a series of in vitro and in vivo experiments, neuronal health and survival after drug-induced histone hyperacetylation will be examined in Mecp2-deficient mutant and control mice. These studies include the developmental regulation of histone acetylation and methylation in murine cerebral cortex, complemented by analyses of postmortem brain tissue of subjects diagnosed with Rett syndrome and autism spectrum disorder.

**1R01DA017660-01A2**
NIH/NIDA
06/15/2005-03/31/2010
1.44 calendar months

Title: *Dopaminergic Signaling Modifies Striatal Histones*
Major Goals: The major goal of this proposal is to examine the dopaminergic regulation of site-specific covalent histone modifications in rodent basal ganglia (mouse, rat). In vivo and in vitro approaches will evaluate chromatin-remodeling at defined genomic sites after short- and long-term treatment with dopamine receptor agonists and antagonists.

**1R01MH081943-01A1**
NIH/NIMH1
7/1/2008-3/31/2013
1.8 calendar months

Title: *Small RNA Regulation of BDNF Expression in Schizophrenia*
Major Goals: The goal of this proposal is to explore the role of a select number of microRNAs for developmental- and disease (schizophrenia and bipolar disorder) regulated expression changes of brain-derived neurotrophic factor (BDNF) in human prefrontal cortex.

**NARSAD**
9/15/2008-9/14/2011
0 calendar months

Title: *The “Chromatin Landscape” of prefrontal cortex neurons*
Major goals: This innovative proposal will combine a sorting technique for neuronal nuclei extracted from human postmortem prefrontal cortex with genome-wide chromatin profiling in order to identify gene loci subject to epigenetic regulation during the protracted course of human prefrontal development.
Stuart Anfang, MD  
Phone: (413) 587-6341  
E-mail: stuart.anfang@state.ma.us  

Academic Role: Clinical Associate Professor  

UMass Program/Service Affiliations: Department of Mental Health, Western MA Area Medical Director  

Research Interests:  
Forensic Issues (Competency, Disability, Fitness for Duty)  
Systems/Risk issues in Public Sector Psychiatry  
Geriatric Competency Assessment  

Representative Publications:  


Kenneth Appelbaum, M.D.
Phone: (508) 856-6212
E-mail: Kenneth.Appelbaum@umassmed.edu

Academic Role: Professor of Clinical Psychiatry

UMass Program/Service Affiliations: Commonwealth Medicine, Center for Health Policy and Research, Law & Psychiatry

Research Interests:
Correctional Mental Health: epidemiology; service delivery models; administrative and clinical policies; treatment of serious mental disorders

Representative Publications:
1. Appelbaum KL: Correctional Mental Health Research: Opportunities and Barriers, Journal of Correctional Healthcare, accepted for publication

Ongoing Projects:
1. Treatment of ADHD in correctional settings.
2. Reentry programs for inmates with mental disorders
Rasim Arikan, MD., PhD.
Phone: (508) 368-3551
E-mail: rasim.arikan@umassmed.edu

Academic Role: Assistant Professor; Staff psychiatrist at Worcester State Hospital

UMass Program/Service Affiliations: Worcester State Hospital

Research Interests:
Free will
Volition
Dual agency in disability evaluations

Representative Publications:


Arikan, R. Vestibulo okuler refleksin kontrol ve adaptasyonunda flocculusun rolu. Ph.D. dissertation, Ege University Faculty of Medicine, Health Sciences Institute, Izmir, Turkey, Dec.1997.

Ongoing Projects:

Dual agency issue in the Social Security disability evaluation process.

Survey of professionalism and ethics in medical education.
   Marrero, I., Arikan, R., Bell, M.
   Multi center research project.
Stuart Bartle, MD
Phone: (413) 243-3389
E-mail: stuartbartle@yahoo.com

**Academic Role:** Assistant Clinical Professor, Psychiatry
**UMass Program/Service Affiliations:** Berkshire Medical Center, Pittsfield, MA

**Research Interests:**
- Schizophrenia
- Stigma

**Representative Publications:**
Quarterly publication of 8-12 page journal to approx 2500 non-psychiatric MDs and influential laypersons.
Robert W. Bass, Ph.D.
Phone: (781) 642-0246
E-mail: Robert.Bass@umassmed.edu

Academic Role: Associate Clinical Professor of Psychiatry; Director, New England INDEX, Shriver Center; Faculty member, Shriver LEND program

UMass Program/Service Affiliations: Shriver Center University Center for Excellence in Developmental Disabilities (UCEDD)

Research Interests:
Role of information technology in meeting the information needs of people with disabilities

Research Summary:
Exploration and application of emerging technologies to enable a collaborative network of information providers to serve the information needs of people with disabilities.

Representative Publications:


Ongoing Projects:
Collaboration with Executive Office of Health and Human Services (EOHHS) to deliver information via web-based search applications on Mass.gov.

Current funding from EOHHS, Department of Mental Retardation, and Massachusetts Rehabilitation Commission.
Sheldon Benjamin, MD  
Phone: (508) 856-4087  
E-mail: Sheldon.benjamin@umassmed.edu

**Academic Role:** Professor of Psychiatry and Neurology  
Director of Psychiatric Education and Training

**UMass Program/Service Affiliations:** University of Massachusetts Medical School, Director of Neuropsychiatry

**Research Interests:**
- Behavioral effects of epilepsy and epilepsy surgery
- Neurological causes of psychiatric symptoms
- Psychiatric education

**Research Summary:**
We evaluate all candidates for temporal lobectomy prior to and following surgery in a collaborative team involving neurosurgery, neurology, neuropsychology and neuropsychiatry seeking to understand the impact on an individual’s behavior.

We have also worked to create diagnostic algorithms for the evaluation of neurological and genetic causes of childhood and young-adult onset psychiatric symptoms.

As part of the residency training program, we conduct research into competency evaluation and educational methods.

**Representative Publications:**

Lauterbach M, Stanislawski-Zygaj, A, Benjamin S. The Differential Diagnosis of Childhood and Young Adult Disorders that Include Psychosis, *Journal of Neuropsychiatry and Clinical Neuroscience*, 2008 in press.


**Ongoing Projects:**

Neuropsychiatric symptom change in deep brain stimulation for Parkinson disease


Validity of psychotherapy competency evaluation methods
Kathleen Biebel, Ph.D.
Phone: (508) 856-8717
E-mail: Kathleen.biebel@umassmed.edu

Academic Role: Research Assistant Professor of Psychiatry

UMass Program/Service Affiliations: Center for Mental Health Services Research

Research Interests:
Parents with mental illness; implementation research regarding new and developing interventions; mental health policy development

Research Summary:
My current research focus is on understanding “what happens” during the implementation of a pilot intervention for families living with parental mental illness. I am specifically interested in the issues of workforce development, creating the organizational and community capacity to support interventions, and the challenges of translating science to service as they relate in introducing a family-centered, strengths-based intervention in a traditionally adult-serving mental health agency.

Representative Publications:


Ongoing Projects:
Co-PI with Joanne Nicholson, Ph.D., “Family Case Management for Parents with Mental Illness and their Children” Astra Zeneca. 01/01/08, funded for one year.
Alan Birnbaum, Ph.D.
Phone: (508) 860-1020
E-mail: abirnbaum@communityhealthlink.org

Academic Role: Affiliate in psychiatry

UMass Program/Service Affiliations: Community Healthlink

Research Interests:
Smoking cessation in major mental illness, coercion and perceived coercion in major mental illness

Representative Publications:


Ongoing Projects:
We are currently involved in an NIH-funded study going out long term to see if we can prevent relapse in smokers with schizophrenia who have quit as a result of a 12-week program.
Harvey Budner, MD
Phone: (508) 358-2273
E-mail: h.budner@comcast.net

**Academic Role:** Affiliate in psychiatry

**UMass Program/Service Affiliations:** Bridge of Central Massachusetts (School House Program)

**Research Interests:**
Course of mental illness in children at a DMH-supported residential program

**Research Summary:**
Use of DMH records to understand levels of care utilized
Nancy Byatt, D.O., M.B.A
Phone: (508) 334-0647
E-mail: byattn@ummhc.org

**Academic Role:** Assistant Professor of Psychiatry

**UMass Program/Service Affiliations:** Psychosomatic Medicine Service, Emergency Mental Health

**Research Interests:**
Reproductive psychiatry, postpartum depression, relationships between MS and depression, forensic issues that arise in emergency mental health and psychosomatic medicine services

**Research Summary:**
Currently working on manuscript for MS and depression project examining prevalence and severity of depression before and after the onset of MS, as well as structural brain abnormalities in patients with cerebral MS compared to a sample of patients with spinal cord MS. Currently also exploring creating a project on postpartum depression.

**Representative Publications:**

**Ongoing Projects:**
Relationships between MS and Depression.
Philip Candilis, MD
Phone: (508) 856-1473
E-mail: philip.candilis@umassmed.edu

Academic Role: Associate Professor of Psychiatry

UMass Program/Service Affiliations: Public Sector, Center for Mental Health Services Research

Research Interests:
Medical ethics, research ethics, forensic ethics, informed consent, decision-making capacity, IRB decision-making

Research Summary:
K-award comparing research decision-making of mentally ill, medically ill, and non-ill subjects (completed)

Multi-site descriptive observational study of IRBs (Chuck Lidz, PI)

Neuropsychological correlates of decision-making and risk/benefit decisions among multiple sclerosis and non-ill subjects (Mike Basso, UTulsa, PI)

Representative Publications:


Ongoing Projects:
UMMS, Philip Candilis, M.D., Principal Investigator
Competence of human subjects to consent to research, NIH 1K-01MH01851, (8/99 – 1/06), $570,000

UMMS, Philip Candilis, MD, Co-Principal Investigator (with Charles Lidz, Ph.D.)
An observational descriptive study of IRB practices, NIH R-01CA107295, (6/06-5/11), $2.9 million

University of Tulsa, Michael Basso, Ph.D., Principal Investigator
Research decision-making in multiple sclerosis, Co-investigator, NIH R-01NS043362, (9/05-08)
Robert Carey, Ph.D.
Phone: (508) 334-7442
E-mail: careyr@ummhc.org

Academic Role: Assistant Professor
Psychology predoctoral internship; Psychiatry and medical residencies; medical student Objective Structured Clinical Examinations (OSCEs); Institutional Review Board (IRB)

UMass Program/Service Affiliations: UMass Memorial Medical Center

Research Interests:
Outpatient mental health service delivery
Minnesota Multiphasic Personality Inventory (MMPI)
Obsessive-compulsive disorder (OCD)
Smoking cessation

Representative Publications: Six publications in 1986

Ongoing Projects:
Supporting role in Primary Care/Depression project and various quality improvement (QI) initiatives
Lauren R Charlot, Ph.D.  
Phone: (508) 334-4364  
E-mail: charlottl@ummhc.org

Academic Role: Assistant Professor, Dept of Psychiatry

UMass Program/Service Affiliations: Director ID/MH Services  
Director ID/MH Multidisciplinary consultation team  
Consultation and training services provided to Massachusetts and Connecticut DDS/DMR

Research Interest:

ID/MH (Intellectual Disabilities and Mental Health)  
Autism

Research Summary:

From 30-40% of children and adults with intellectual disabilities are diagnosed with a psychiatric disorder, and many others are treated for behavior problems. Despite this, the literature addressing assessment and treatment of this clinical population is limited. My goal is to pursue funding to study factors that may act as mediators or moderators of risk for behavioral health problems in people with ID. In examining this area, I have been working on strategies to improve the accuracy of psychiatric assessment of people with ID. I am also interested in determining if risk and protective factors differ for people with and without Autism Spectrum Disorders. A related area of interest is whether or not targeted educational programs can be effective in reducing morbidity among people with ID/MH.

Representative Publications:


**Ongoing Projects:**

PI - UMMS Mini-Grant Initiative – Medical problems and adverse drug events in psychiatric inpatients with ID

Co-investigator – NICHD grant PI - Dr William J McIlvane (PI; R01 HD42807, P30 HD04147)

Depression in children with intellectual disabilities
Maryann Davis, Ph.D.
Phone: (508) 856-8718
E-mail: Maryann.Davis@umassmed.edu

Academic Role: Associate Professor of Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School, Center for Mental Health Services Research

Research Interests:

1. Understanding the development of adolescents and young adults with serious mental health conditions as they transition into adulthood, particularly those involved in public systems.

2. Understanding the influence of public child and adult systems, such as mental health, juvenile and criminal justice, on the development of adult role functioning and providing age appropriate treatment during the transition period.

Research Summary:

My research focuses on youth and young adults with serious mental health conditions and the interplay of individuals, families, community, and public systems during the critical window of development when adolescents mature into adulthood. My goals are to 1. describe development of adult role functioning, and the impact of their disability, among those accessing typical services, 2. describe the service systems that support or hinder the development of these youths, and the policies that shape those service patterns, 3) develop models for improved service systems for those in this developmental stage.

Representative Publications:


Ongoing Projects:

1. Adaptation of Multisystemic Therapy for Transition Age Youth (NIMH R34 MH081374-01; $720,088; 3 years). This study adapts an evidence-based treatment used to reduce antisocial behavior in delinquents for use with young adults with serious mental health conditions. The young adult intervention is focused on reducing antisocial behavior, substance use, and mental health symptoms, and increasing prosocial functioning. The project examines the feasibility of the approach and the research methods, and obtains preliminary treatment outcomes.

2. Network Analysis of Transition System Change (Center for Mental Health Services; $58,004, 2 years). Follow-up study, using a methodology known as Network Analysis, which describes relationships between organizations, to measure change between organizations that serve transition
age youth in a site that received CMHS funding to improve the transition system. Deliverable will be a federal report.

3. Arrest Patterns Among Youth in Mental Health Systems (National Institute of Mental Health; R01 MH067862-01A1; $642,000; 3 years). Describes within-individual arrest patterns up to age 25 among youth involved in MA’s Department of Mental Health as adolescents to determine risk periods and risk factors separately in males and females, the impact of out-of-home treatments on arrest patterns, and comparisons of arrest patterns with sociodemographically-matched offenders.
Leonard Doerfler, Ph.D.
Phone: (508) 767-7549
E-mail: doerfler@assumption.edu

Academic Role: Associate Professor (Voluntary)

UMass Program/Service Affiliations: Assumption College

Research Interests:
Post-traumatic stress disorder (PTSD) and adjustment to heart disease, cognitive-behavioral models of depression and anxiety disorders; predictors of psychiatric hospitalization; anxiety and affective disorders in children and adolescents

Research Summary:
My research has focused on several different topics in the past several years. One line of research has examined the characteristics and prevalence of PTSD in cardiac patients. A second focus has been studying the characteristics of anxiety and depressive disorders in children and adolescents. I have been collaborating with colleagues to examine the features of panic and agoraphobia, the relationship between panic disorder and separation anxiety disorder, and the co-occurrence of anxiety disorders and externalizing disorders. A third area of research has examined the predictors of re-hospitalization in patients admitted for inpatient psychiatric treatment.

Representative Publications:


Ongoing Projects:
1) comparison of children and adolescents diagnosed with bipolar disorder and children diagnosed with ADHD
2) examination of the relationship of anxiety disorders and externalizing disorders in children and adolescents
3) examination of the relationship of depressive disorder and externalizing disorders in children and adolescents
4) examination of events that preceded admission to an inpatient psychiatric unit
5) examination of proactive and reactive aggression in children and adolescents referred for psychopharmacology evaluation
Academic Role: Associate Professor

UMass Program/Service Affiliations: University of Massachusetts Medical School, Program in Neuroscience (GSBS) and Department of Pediatrics; E.K. Shriver Center

Research Interests:

(1) Discrimination learning, attention, and issues related to behavioral allocation in children and teenagers with developmental disabilities such as autism and mental retardation.
(2) Joint attention deficits in preschool-aged children with autism.

Research Summary:

Behavioral Allocation and Choice Processes in MR: Basic Research and Applications
The major goals of this program project grant are to study behavioral processes involved in behavioral allocation and choice-making in individuals with intellectual disabilities, and to translate basic laboratory research findings into effective, individualized motivational support systems for such individuals.

Joint Attention Deficits in Preschool-Aged Children with Autism
Joint attention refers to the use of gestures, verbalizations, and gaze shifts to coordinate attention with another person in order to share the experience of an object or event. Deficits in the development of joint attention are well-documented in young children with autism and related disorders (PDD-NOS). The goals of this research are to (a) examine relations between preference and sensitivity for social reinforcers, discriminative stimulus control by social cues, and the results of assessments of joint attention initiation; and (b) develop training procedures that target specific behavioral prerequisites for joint attention coordination.

Stimulus Overselectivity and Observing Behavior in Mental Retardation
Stimulus overselectivity refers to an atypical restriction in the range, breadth, or number of stimulus features that acquire stimulus control of behavior. It is a widely acknowledged problem in special education of children with developmental disabilities such as autism and mental retardation. This project investigates environmental variables that affect stimulus overselectivity and develops remedial procedures.

Praxis Behavioral Observation Software
The major goal of this STTR Fast-Track project is to produce software for the analysis of behavior recorded on digital video. The software will enhance coding efficiency and accuracy of interpretation for partial-interval and momentary time sampling procedures.

Translational Analyses of Chronic Aberrant Behavior Across the Life Span (Pending)
Project 4: Treatment Generalization and Contingency Coherence
The major goal of this project is to contribute to the development of an explicit technology of treatment generalization for chronic aberrant behavior.

Representative Publications:


**Ongoing Projects:**

1 P01 HD 046666 (Dube, P01 PI) 5/12/04-4/30/09 NICHD
Behavioral Allocation and Choice Processes in MR: Basic Research and Applications
Roles: P01 PI, Project 4 PI, Project 2 Co-investigator

1 R42 HD054077 (Dube, PI) 9/2/06-5/31/09 NICHD
Praxis Behavioral Observation Software
Role: PI

1 R01 HD 042807 (McIlvane, PI) 08/01/04-07/31/08 NICHD
Behavioral Studies of Mental Retardation and Depression
Role: Co-investigator

5P30 HD04147 (McIlvane, PI) 8/1/97 – 6/30/10 NICHD
Interdisciplinary Research in Mental Retardation
Role: Co-investigator

ADD DHHS 90 DD0564/1 (Hamad, PI) 7/1/07 - 6/30/12
Administration on Developmental Disabilities, University Centers for Excellence in Developmental Disabilities Education, Research and Service
Role: Co-investigator

R41 MH77378 (McIlvane, PI) 7/1/06-6/30/09 NIMH
Tests of Attention and Memory in Individuals with Intellectual Limitations
Role: Co-investigator

Funding Pending

P01 HD 055456-01A1 Cataldo & McIlvane (P01 Co-PIs), Dube (P4 PI) 7/1/08-6/30/13 NICHD
Translational Analyses of Chronic Aberrant Behavior Across the Life Span
Role: Project 4 PI
Deborah C. Field, MD
Phone: (508) 860-1035
E-mail: Deborah.field@umassmed.edu

Academic Role: Medical Student Clerkship Director
Director of Homeless Psychiatry Services at Homeless Outreach and Advocacy Program, Community Healthlink.

UMass Program/Service Affiliations: Community Healthlink; UMass Medical School

Research Interests:
Homeless service delivery and outcomes; Addiction treatment in the homeless; Psychiatric medical education

Representative Publications:
Matthews J, PhD, MD, Kadish W, MD, Barrett S, MS. Mazor K, EdD, Field D, MD, and Jonassen J, PhD. “The Impact of a Brief Interclerkship about Substance Abuse on Medical Student Skills.” Academic Medicine, May 2002

“Psychiatry, Medicine and The Homeless Mentally Ill.” Medical Student Newsletter, Volume 12, Issue 2, Fall 2003

“An Apple a Day Keeps the Doctor Away – the Stigma of Being a Psychiatrist.” APAMedical Student Newsletter, Volume 13, Issue 1, Spring 2004

Ongoing Projects:
HRSA Expansion grant submitted to expand Buprenorphine clinic capacity at Homeless Outreach and Advocacy Program.
William Fisher, Ph.D.
Phone: (508) 856-8711
E-mail: Bill.Fisher@umassmed.edu

Academic Role: Professor of Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School, Center for Mental Health Services Research, Law & Psychiatry

Research Interests:
1. Mental Health Services & Policy Research
2. Mental Health & Criminal Justice Interactions
3. Epidemiology of Adult Mental Disorders

Research Summary:
Current research focuses on patterns of criminal justice involvement among persons with serious psychiatric disorders and the management of such individuals within the mental health and criminal justice systems. Recent grant applications have focused on jail diversion programs for trauma-related psychiatric conditions in returning veterans, comparisons of the outcomes associated with different models of police response to incidents involving persons with mental illness, and the effects of forensic review boards on mental health service use.

Representative Publications:


Ongoing Projects:
The Boston Police Study. Funded by the Sidney Bear Foundation. Albert J Grudzinskas. Jr. JD.
The Worcester State Hospital Difficult to Discharge Patient Study, (supported by the Massachusetts Department of Mental Health).
The Massachusetts Mental Health Criminal Justice Cohort Study (previously funded by NIMH; data analyses continue).
Raymond B. Flannery, Jr., Ph.D.
Phone: (508) 368-3517
E-mail: Raymond.flannery@dmh.state.ma.us

Academic Role: Assistant Professor of Psychiatry, UMMS
Associate Clinical Professor of Psychology, Harvard Medical School

UMass Program/Service Affiliations: UMASS; DMH Worcester State Hospital-Psychology Internship Program

Research Interests:
Assaultive psychiatric patients; Staff victims of patient assaults

Research Summary:
I have created, fielded, and developed the Assaulted Staff Action Program (ASAP), a crisis intervention program to address the psychological sequelae of patient assaults on staff. During 17 continuous years, this program has grown to include 34 teams in six states with over 1,300 trained ASAP volunteers who have responded to over 4,500 staff victims. ASAP is the most widely researched crisis intervention program in the world. It has also provided the longest, continuous study of assaultive psychiatric patients in the published literature.

Representative Publications:
150 peer-reviewed, data-based papers, 17 chapters, and 7 books.

Ongoing Projects:
ASAP Continues in its 18th continuous year
Richard K. Fleming, Ph.D.
Phone: (781) 642-0023
E-mail: Richard.Fleming@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations: Eunice Kennedy Shriver Center

Research Interests:

Dr. Fleming’s research interests focus on the application of psychological principles and procedures to address problems in the field of intellectual and developmental disabilities. Specializing in behavioral psychology, he is involved in two main areas of research: 1) health promotion through healthful diet and physical activity, and 2) internet-based education for parents and personnel working with children with autism and related disabilities.

Research Summary:

Research currently underway (see Ongoing Projects) includes:

- A randomized clinical trial comparing a primarily educational intervention with a comprehensive behavioral program to promote weight loss and healthful lifestyles among adolescents/young adults with Down syndrome.

- Development and evaluation of a six-course online curriculum on designed to educate parents of children diagnosed with autism about evidence-based behavioral interventions.

- Design and preliminary research on a community-based program to increase physical activity among children with autism. This project utilizes a Community-Based Participatory Research (CBPR) approach for bringing together families, community organizations and university researchers.

Representative Publications:


**Ongoing Projects:**

*Parent-Supported Weight Reduction in Down Syndrome* (NIDDK R03DK070627-01A2): Randomized clinical trial comparing two versions of a 16-session, 6-month family-based weight loss and health promotion intervention for adolescents/young adults with Down syndrome.


*Using Community Based Participatory Research (CBPR) to Design and Pilot a Physical Activity Program for Youth with Autism Spectrum Disorders (ASD)*. (NICHD, R21HD057806-01): Development and implementation of a research project that involves parents of children with ASD and community partners with the goal of increasing physical activity.
Kenneth Fletcher, Ph.D.
Phone: (508) 856-8630
E-mail: Kenneth.Fletcher@umassmed.edu

Academic Role: Associate Professor of Psychiatry, Family Medicine and Community Health, and the Graduate School of Nursing

UMass Program/Service Affiliations:
Center for Mental Health Services Research, Division of Child and Adolescent Psychiatry

Research Interests:
1. Trauma research and treatment, especially for children
2. Mental health services research and medical outcomes research
3. Mental health services and the justice system
4. Assessment and treatment of co-occurring disorders
5. Youth violence and juvenile sexual offending, assessment and treatment

Research Summary:
I am interested in research on childhood trauma, its etiology, prognosis, and prevention; youth violence, especially the treatment of juvenile sexual offenders and youths in the juvenile justice system with a trauma history; and health services research, particularly related to mental health of children. I created four of the first measures of childhood PTSD written specifically for children in language they can understand and at a third grade reading level. These measures are now used by researchers and clinicians around the world. I also provide research methodology and statistical consultation, specializing in survey design, psychometrics, and advanced statistical modeling. I am also increasingly interested in mental health services and the justice system, as well as the assessment and treatment of co-occurring disorders.

Representative Publications:


Youth – 2 Study. *Archives of Pediatric and Adolescent Medicine*, 161, 704-710.


Ongoing Projects:

1. Development of a self-report measure of addiction and counseling program’s ability to deliver integrated treatment for co-occurring substance abuse and mental health problems.

2. Development of the first measure of police attitudes to the mentally ill.

3. Evaluation of crisis intervention training for police when dealing with the mentally ill.

4. Program evaluation of the Central Massachusetts Communities of Care program.


6. Development of a set of childhood assessment tools that will assess the spectrum of trauma reactions, including Acute Stress Disorder, PTSD, and Complex PTSD, for children and adolescents of all ages, preschool through young adult.

7. Continued development and testing of the Cough Quality of Life Questionnaire, the first psychometrically tested measure of quality of life among patients suffering from chronic cough.

8. Development of several research projects that are intended to address a variety of mental health needs: delivery of a trauma-informed treatment for adult women with trauma histories suffering from substance use problems, development of a computer-delivered short intervention for alcohol use among adolescents, and development of a method of identifying cocaine users who do or do not show cue-elicited cravings.
Lisa R. Fortuna, MD, MPH
Phone: (508) 856-7842
E-mail: lisa.fortuna@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations: University of Massachusetts Medical School; Director of Child and Adolescent Multicultural Mental Health Research

Research Interests:
Adolescent dual diagnosis, PTSD, Substance abuse, Cognitive behavioral therapy, Multicultural mental health services

Research Summary:
Development of a CBT-based treatment for substance abuse in the context of Post Traumatic Stress Disorder (PTSD) in violence exposed minority youth.

Representative Publications:


Jean A. Frazier, M.D.
Phone: (508)
E-mail: jean.frazier@umassmed.edu

Academic Role:
Robert M. and Shirley S. Siff Chair in Autism Research
Professor of Psychiatry
Vice Chair, Division of Child and Adolescent Psychiatry

UMass Program/Service Affiliations:
Dept of Psychiatry, UMASS Memorial Medical Center

Research Interests:
Autism, Early Onset Bipolar Disorder, Early Onset Schizophrenia
Psychopharmacology and Neuroimaging

Research Summary:
Scientifically, my efforts have focused on understanding the neurobiology and treatment of early onset psychoses. In recent years, I completed an NIMH funded K08 entitled “Brain Anatomic MRI in Childhood Bipolar Disorder” and an NIMH-funded U01 which was a randomized, double-blind trial of 3 antipsychotic medications in youths with schizophrenia. I am currently a part of an 8-site contract through NICHD to investigate the safety and efficacy of lithium in pediatric bipolar disorder. The data gleaned from this study will be used by the FDA to obtain approval for the use of lithium in individuals below the age of 13. I also am an investigator as part of a CIDAR award through the NIMH to study progression of illness in schizophrenia. This study involves phenotyping the patients (prodrome, first episode and chronic) and collecting MRIs, EEGs, and neuropsychological testing in a longitudinal fashion. Since the field is small and the number of youths with early onset schizophrenia, in particular, is small, it is critical to have collaboration across sites. To this end, our research program is involved in a number of collaborative investigations of early onset psychoses and of children at risk for developing a psychotic disorder. Finally, we have begun to investigate interventions for individuals with prodromal symptoms of schizophrenia

More recently, our group has become involved in autism research. We are participating in the Boston Autism Consortium. In addition, we have three medication trials underway to investigate the safety and efficacy of these interventions for the treatment of problematic behaviors and emotions seen in youth on the spectrum.

Representative Publications:


Ongoing Projects:

2005-present  Bristol Myer Squibb - Investigator initiated Study  
PI: Jean A. Frazier, M.D.  
Open Label Trial of Aripiprazole in Youths with Autism Spectrum Disorders

2005-2008  NICHD Contract: HHSN275200503406C  
Overall PI: Robert Findling, M.D. Site PI: Jean A. Frazier, M.D.  
Best Pharmaceuticals for Children Act Pediatric Off-Patent Drug Study (PODS): Lithium for the Treatment of Pediatric Mania

2006-present  Research Support through the Boston Autism Consortium  
PI: Jean A. Frazier, M.D.  
The Genetics of Autism

2007-present  NIMH CIDAR 1P50 MH080272  
Overall PI: Robert McCarley M.D.; Site PI: Jean A. Frazier, M.D.  
Vulnerability to Progression in Schizophrenia.

2007-present  Autism Speaks and Neuropharm  
Site PI: Jean A. Frazier, M.D.  
Oral Disintegrating Tablet of Fluoxetine in Autism Spectrum Disorders

2008-present  NIMH 1R21 MH082335  
PI: Constance Moore, Ph.D.  
Lithium Magnetic Resonance Spectroscopy of Children and Adolescent with Bipolar Disorder

2008-present  1R01 MH073998  
PI: Constance Moore, Ph.D.  
Glutamine and Glutamate in Children and Adolescents with Bipolar Disorder

2008-present  Pfizer-Investigator Initiated Study  
Overall PI: Scott Woods, M.D. Site PI: Jean Frazier, M.D.  
Ziprasidone vs. Placebo in the Prevention of Psychosis among Symptomatic Adolescents and Adults at Prodromal Risk (“ZIP”)
Geri Fuhrmann, Psy.D.
Phone: (508) 793-6913
E-mail: geri.fuhrmann@umassmed.edu

Academic Role: Associate professor of clinical psychiatry and pediatrics

UMass Program/Service Affiliations: UMass Memorial Medical Center; Director, Child and Family Forensic Center; Interim director, pediatric psychiatry consultation liaison service

Research Interests:
The impact of divorce on children; child custody evaluations; efficacy of parent education programs for separated parents

Representative Publications:
Research Summary:

The focus of my research is investigating neurobiological substrates of impulsive-aggressive behavior in people with mental disorders. Recent work examined the relationship between impulsive-aggressive traits, serotonin function, and the effects of alcohol on aggression. Serotonin function was related to trait aggression but not to alcohol-enhanced aggression, which was related to trait measures of anger and impulsivity (Fulwiler, et al 2005). Current research is expanding on our studies of structural correlates of aggression in the orbitofrontal cortex (Sheth, et al 2006) and the amygdala-hippocampus complex using high-resolution MRI scans of patients with a history of violence.

Representative Publications:


Ongoing Projects:

1. Violence and orbitofrontal dysfunction: Structural and neurocognitive correlates

2. Structural MRI of amygdala-hippocampus in psychiatric patients with a history of violence and impulsivity
Jeffrey J. Gaines, Ph.D.
Phone: (508) 616-2252
E-mail: Jeffrey.Gaines@state.ma.us

Academic Role: Lecturer

UMass Program/Service Affiliations:
Westborough State Hospital, Neuropsychology service

Research Interests:
Visual-spatial memory

Research Summary:
Interest in qualitative aspects of visual-spatial memory, in clinical populations.

Representative Publication:

Ongoing Projects:
Study of verbal versus visual-spatial memory patterns in chronically mentally ill adolescents
Paul D. Gardner, Ph.D.
Phone: (508) 856-4035
E-mail: paul.gardner@umassmed.edu

Academic Role: Associate Professor

UMass Program/Service Affiliations:

University of Massachusetts Medical School: Program in Neuroscience, Interdisciplinary Graduate Program, Brudnick Neuropsychiatric Research Institute

Research Interests:

I am interested in understanding the molecular mechanisms governing gene expression in the nervous system with a particular focus on the spatial and temporal regulation on nicotinic receptor gene expression. We are involved in a number of collaborative efforts with other laboratories that are aimed at understanding the roles nicotinic receptor signaling may play in neurological disorders such as nicotine addiction and ADHD. More recently, we have expanded our research efforts to look at nicotinic receptor signaling in lung cancer.

Research Summary:

In work supported by the NIH, we have identified transcriptional regulatory sequences within the nicotinic receptor α3/α5/β4 gene cluster. We have shown that these sequences interact with specific trans-acting regulatory factors to effect transcription of the receptor subunit genes. In some cases, these interactions are cell type-specific. We have recently extended this in vitro work to studies utilizing transgenesis and have confirmed our earlier studies in vivo. 2) More recently, we have made the striking observation that the clustered nicotinic receptor genes, along with two genes encoding another nicotinic receptor subtype, are highly expressed in cell lines derived from small cell lung tumors as compared to cell lines derived from normal lung tissue. This is a particularly interesting observation given the link between smoking and small cell lung carcinoma. 3) In a collaborative effort with the Tapper laboratory at the Brudnick, we have preliminary data suggesting that ethanol and nicotine cause a change in nicotinic receptor expression in the midbrain. We are pursuing these observations with goal of understanding the physiological consequences of such changes in receptor expression.

Representative Publications:


Ongoing Projects:

1. We are using in vitro and in vivo approaches to understand the transcriptional regulation of the genes encoding neuronal nicotinic receptor subunits.

2. In a collaborative effort with Andrew Tapper and colleagues, we are investigating the effects of ethanol and nicotine on nicotinic receptor expression in the reward circuitry.
3. In a collaborative effort with Jean King and colleagues, we are investigating the expression of neuronal nicotinic receptors in a rat model of ADHD.

4. We are pursuing our finding that nicotinic receptors are differentially expressed in specific types of lung cancer with the goal of elucidating the role of nicotine in lung carcinogenesis.

**Funding:**
Jessica B. Edwards George, Ph.D.

Phone: (508) 334-3737
E-mail: edwardsj@ummhc.org

**Academic Role:** Assistant Professor Psychiatry and Pediatrics

**UMass Program/Service Affiliations:** Pediatric Consultation Liaison, Pediatric Psychology Outpatient Service

**Research Interests:**

Pediatric psychology—dietary adherence, gastrointestinal disorders, celiac disease, eating disorders and obesity

**Research Summary:**

Dr. Edwards George’s primary research interest is broadly in the areas of dietary adherence and psychological correlates of adherence to medically necessary dietary regimens in pediatric populations, such as children with gastrointestinal disorders. Currently, Dr. Edwards George is examining the psychosocial and behavioral factors of gluten-free diet adherence in children with celiac disease. She has developed and recently completed pilot testing of a multi-method, family-based gluten-free diet adherence and management assessment that she used previously with adults and has adapted to use with children and families. Results from this pilot project will determine the appropriateness and feasibility of this new assessment for future studies that would include larger sample sizes, longitudinal designs, and/or multiple sites.

**Representative Publications:**


**Ongoing Projects:**

“Psychosocial and Behavioral Factors in Children with Celiac Disease”
Principal Investigators: **Jessica B. Edwards George**
Co-Investigators: Jack Nassau, Ph.D., Debra Lobato, Ph.D., Neal LeLeliko, MD, Ph.D., Beth McQuaid, Ph.D.
Agency: Celiac Sprue Association Peer Review Research Grant Program
Amount: $5,400
Period: March 2007 – March 2008
This project will pilot test and refine a family-based gluten-free diet management scale for youth with celiac disease and their families, while also examining the influence of psychosocial and behavioral factors on gluten-free diet adherence in youth.

“Correlates of Gluten-Free Diet Adherence in Adults with Celiac Disease”
Principal Investigators: Ciarán P. Kelly
Co-Investigators: **Jessica B. Edwards George**, Daniel A. Leffler, Melinda D. Dennis
Agency: Celiac Sprue Association Peer Review Research Grant Program
Amount: $5,000
Period: November 2006 –November 2007
This project investigated the relationship between gluten-free diet adherence and psychological factors (i.e., personality traits, depression, anxiety, and self-efficacy) in adults with celiac disease, while also developing a standardized self-report questionnaire for measuring gluten-free diet adherence that has sufficient sensitivity and specificity.
Gerardo Gonzalez, MD
Phone: (508) 856-64 80
E-mail: gerardo.gonzalez@umassmed.edu

Academic Role: Associate Professor of Psychiatry
Director of Addiction Psychopharmacology Research and Addiction Psychiatry Residency Program.
Staff Psychiatrist, Community Healthlink

UMass Program/Service Affiliations: UMass Medical School and Community Healthlink

Research Interests:

1. Pharmacotherapy for cocaine and opiate dependence.
2. Development of pharmacologically enhanced time-limited opioid maintenance therapy.
3. Develop and/or evaluation of pharmacotherapies for substance abuse disorders in Hispanic populations.

Research Summary:

The research that we have been conducting has centered on investigating the treatment effects of enhanced GABA neurotransmission by using the selective GABA transporter inhibitor tiagabine on cocaine-using behavior in methadone treated patients. The first study (Gonzalez et al. 2003) compared two doses of tiagabine (12mg/day and 24mg/day) to placebo and showed that the 24 mg/day tiagabine group significantly reduced cocaine use relative to placebo. The second study evaluated the efficacy of tiagabine (24mg/day) versus gabapentin (2400mg/day) versus placebo in the same population of patients. The tiagabine treated group showed a significant reduction of cocaine use and were able to achieve a 35% abstinence rate compared to gabapentin and placebo that achieved 16% and 29% abstinence rates respectively (Gonzalez et al. 2007). Currently, we are starting to analyze the results of the clinical trial that evaluated a higher dose of tiagabine (32mg/day) with the same population, and we are recruiting for pilot study evaluating Levetiracetam (Keppra) for cocaine dependence in opioid-dependent patients. The secondary and potential research interest is to develop and/or evaluate pharmacotherapies for substance abuse disorders in Hispanic populations. In our recent papers (Amaro et al. 2006 and Trujillo et al., 2006) we identified a lack of studies on substance abuse treatment among in Hispanic population and there is a great need to conduct these studies that given the growing Hispanic population in the US. Pharmacological studies focusing on substance abuse among Hispanics may have clinical implications and may yield additional information to the knowledge base acquired from comparative studies with different ethnic groups.

Representative Publications:


Romero G.M. and Gonzalez G. (1990) Prevalencia de psicopatologia en 142 usuarios nuevos en el servicio de consulta externa de medicina general del centro de salud no.6 (segunda parte): porque los medicos generales no detectan posibles casos de trastornos mentales en sus pacientes? (Prevalence of psychopathology in 142 new outpatients at a general medicine clinic in the Health Center No.6 (Second Part): Why do general practitioners fail to detect possible cases of mental illness in their patients?) Revista del Hospital Mental de Antioquia. 1990; XVII 1 22-39.

Gonzalez G and Rosenheck R. (2002) Outcome and service use among seriously mentally ill persons who are homeless and have substance abuse diagnoses. Psychiatric Services; 53:437-446.


**Ongoing Projects:**

Pfizer #: A3051072
A Phase 3B, 12-week, Double-blind, Placebo-controlled, Multicenter study evaluating the Safety and Efficacy of Varenicline Tartrate (CP-526,555) 1 mg BID for Smoking Cessation in Subjects with Schizophrenia and Schizoaffective Disorder
Thomas Grisso, Ph.D.
Phone: (508) 856-3625
E-mail: Thomas.Grisso@umassmed.edu

Academic Role: Professor of Psychiatry, Director of Psychology, Director of Law & Psychiatry Program

UMass Program/Service Affiliations:
UMass Memorial Medical Center, Law & Psychiatry, Center for Mental Health Services Research

Research Interests:
1. Mental Health Screening, assessment and services in juvenile justice
2. Forensic mental health evaluations for the courts
3. Competencies and capacities in criminal, civil, and juvenile law

Research Summary:
My research focuses on forensic mental health issues in juvenile justice. My objectives are (1) to improve the identification and provision of mental health services to youths as they enter the juvenile justice system, (2) to improve juvenile court clinicians’ evaluations of youths pertaining to protection of constitutional rights (competence to stand trial, capacity to waive Miranda rights), and (3) to create models and standards for juvenile court clinical evaluation services. In addition, I collaborate with Gina Vincent on her studies of juvenile psychopathy.

Representative Publications:

Ongoing Projects:
National Youth Screening Assistance Project (MacArthur Foundation, currently for past 9 years, about $300,000 annually, PI). This project developed a social action and technical assistance service to promote and study the use of the Massachusetts Youth Screening Instrument nationwide. The instrument was subsequently adopted statewide in 40 states for mental health screening of youths entering juvenile justice facilities. Current research on this project examines the degree to which mental health screening has led to improved mental health services and other outcomes in six juvenile detention centers in three states.
Albert Grudzinskas Jr., J.D.
**Phone:** (508) 856-8719
**E-mail:** Albert.GrudzinskasJr@umassmed.edu

**Academic Role:** Clinical Associate Professor of Psychiatry

**UMass Program/Service Affiliations:**
UMass Memorial Medical Center, Law & Psychiatry, Center for Mental Health Services Research

**Research Interests:**

1. Understanding the influence of mental illness on patterns of involvement in the criminal justice system for both adolescents and adults.
2. Understanding the environmental factors that contribute to homelessness and substance abuse among persons with mental illness and the impact of court ordered intervention in this process, including diversion and civil commitment.
3. Understanding the nature and dynamics of police intervention with persons in crisis and developing better interaction strategies to minimize risk.
4. Understanding ethical issues involved with research with human subjects and particularly vulnerable populations.

**Research Summary:**

My research focuses on the involvement of persons with mental illness in the criminal justice and civil court systems. I would like to develop a better understanding of how and why the courts have become the access point for social services in most communities for persons living in poverty. I am also interested in the protection of human subjects in research. I am developing an agenda to address the needs of courts to understand social science testimony and its utility in addressing issues before the courts.

**Representative Publications:**


**Ongoing Projects:**

1. Boston Police Study (Albert J. Grudzinskas, Jr., JD, P.I.) Funder: Sidney R. Baer, Jr. Foundation; Period: 9/1/07-8/31/10 Role: Principal Investigator, 20% Effort Total Direct Costs: $550,000. The study consists of two primary components and is a three year project. The first, to be completed in the first year, is the "Boston Police Training Initiative." It entails the development and manualization of a police training protocol for management of encounters with persons with mental illness whom police term "emotionally disturbed persons" (EDPs) and implements it alongside the highly touted "Memphis Crisis Intervention Team (CIT) model in two comparable police districts in the City of Boston. There will also be a third police district which will act as a control, receiving only access to the same Crisis Triage Unit (CTU, described below) component that the two police training districts will have access to. The second component of this study, to be completed in years two and three, is the "Boston Police Evaluation." It will compare outcomes of the two protocols on a range of attitudinal, dispositional, operational, systemic and human resource factors. Our ultimate goal is to expand the range of choices available to police departments wishing to enhance their capacity in this area, and to provide evaluative information to standardize the training and to guide such choices.

2. 1 RO1 MH65611 Modeling Criminal Justice Involvement Among Persons With Mental Illness (William Fisher, Ph.D., P.I.) Funder: NIMH; Period: 8/15/03 – 8/14/06 Total Direct Costs: $625,000 Role: Co-Investigator, 30% effort. This project represents a preliminary effort to discern the role of mental health services in patterns of criminal offending displayed by persons with severe mental illness. It incorporates theoretical frameworks and methods commonly used in criminology to understand patterns of offending over time, the effects of social environments, and the potentially mediating effects of mental health services with regard to patterns of offending.

3. 1RO1 MH067862 Arrest Patterns Among Youth in Mental Health Systems (Maryann Davis, Ph.D., P.I.) Funder: NIMH; Period: 4/1/04 – 3/31/07 Role: Co-Investigator, 5% Effort Total Direct Costs: $450,000 This project examines patterns of juvenile and adult criminal offending of youths identified as receiving services from the Massachusetts Department of Mental Health's as children/adolescents and who "aged out" of that system.

4. "MacArthur Juvenile Competency Project" Thomas Grisso (PI) Funder: John D. & Catherine T. MacArthur Foundation Period: 01/01/06 – 06/30/08 Co-Investigator, 20% effort. The goals of this project are to determine the nature and application of Juvenile Competency to Stand Trial Laws and Judicial Decisions in Pennsylvania, Illinois, Washington, and Louisiana. To develop strategies for improving Juvenile Justice protections in these jurisdictions. Also included is the development of a 50 state survey of Juvenile Competency to stand trial standards.
Sarah Guzofski, MD
Phone: (508) 860-1031
E-mail: guzofsk@ummc.org

Academic Role: Assistant Professor of Psychiatry

UMass Program/Service Affiliations: Community HealthLink

Research Interests:
Psychiatric care and advocacy for people who are homeless
Wellness interventions for people with chronic mental illness
Recovery-oriented psychiatric services
David Haddad, Ed.D.
Phone: (508) 860-1223
E-mail: dhaddad@communityhealthlink.org

Academic Role: Affiliate in Psychiatry

UMass Program/Service Affiliations:
Community Healthlink

Research Interests:
Psychotherapy Outcome research, Training

Ongoing Projects:
Community Healthlink Outcome Project
Charles Hamad, Ph.D.
Phone: (781) 642-0048
E-mail: Charles.hamad@umassmed.edu

Academic Role: Associate Professor, Pediatrics; Assistant Professor, Psychiatry

UMass Program/Service Affiliations:
Shriver Center; Director, University Center for Excellence in Developmental Disabilities

Research Interest:
The application of computer and communication technology to the fields of education, training and human services, and organizational behavior management.

Research Summary:
Various projects related to internet-based distance learning technology and telemedicine.

Representative Publications:

Ongoing Projects:
ADD DHHS 90 DD0625 (Hamad PI) 7/1/2007-6/30/2012
Administration on Developmental Disabilities
University Centers for Excellence in Developmental Disabilities Education, Research and Service. The major goals of this project are to develop and maintain a broad array of training, service and research initiatives that will continue to promote the independence, productivity, inclusion and self-determination of children and adults with developmental disability.

HRSA 5 T02MC 04919 (Hamad PI) 6/1/2005-5/31/2009
Health Resources Service Administration Maternal and Child Health Bureau
Internet Basier Early Intervention Training.
The Purpose of the project is to develop and evaluate an Internet-based distance learning continuing education and development program directed at individuals who provide EI services to children with developmental disabilities/special health care needs and their families.
Kamlyn Haynes, MD
Phone: (508) 856-6006
E-mail: Kamlyn.haynes@umassmed.edu

**Academic Role:** Assistant Professor; Associate program director Residency in Child Psychiatry.

**UMass Program/Service Affiliations:** University of Massachusetts Medical School; Department of Youth Services

**Research Interests:**

Juvenile justice system meeting the needs of adolescents with SED

**Ongoing Projects:**

Developing a clinical database that may someday be used to collect data for research purposes.
Elizabeth White Henrikson, Ph.D., ABPP-CN

**Phone:** (508) 368-3565  
**E-mail:** ew.henrikson@verizon.net

**Academic Role:** Faculty Associate in Psychiatry & Neurology

**UMass Program/Service Affiliations:** Worcester State Hospital, Consulting Neuropsychologist and Forensic Psychologist

**Research Interests:**

Neuropsychology, Schizophrenia
Marie Hobart, M.D.
Phone: (508) 860-1025
E-mail: mhobart@communityhealthlink.org

Academic Role: Assistant Professor

UMass Program/Service Affiliations: Community Healthlink, Chief Medical Officer

Research Interests:
 health and Wellness for individuals with severe and persistent mental illness and substance abuse. Also working with individuals with developmental disabilities.

Research Summary:
Beginning a longitudinal study on using Chantix for those with schizophrenia, along with a long term support group. Community Healthlink is a site for this study.

Grant Information: Chantix study is under the auspices of Mass General.
Jacob Holzer M.D.
Phone: (508) 368-3475
E-mail: jacob.holzer@dmh.state.ma.us

Academic Role: Assistant professor

UMass Program/Service Affiliations: Worcester State Hospital, Public Sector Division

Research Interests:
1- Overlapping fields of neuropsychiatry/behavioral neurology and forensic psychiatry
2- Different forms of competency assessment and cognition (bedside cognitive tests and neuropsychological testing).

Research Summary:
My research interests are focused on neuropsychiatric aspects of forensic psychiatry. This includes: a) cognitive studies in the area of capacity to make informed decisions/competency, including use of bedside cognitive screening tools and neuropsychological measures, within different patient populations; b) integration of cognitive and structured interview approaches to competency assessment in different contexts, including competency to stand trial and end of life decision making; and c) mild head injury within criminal and civil court proceedings.

Representative Publications:


Holzer JC. Assessment of financial decision-making capacity. WBIX Business Radio 1060AM, Framingham, MA., Sat 4/30/05.

Ongoing Projects:
1- Early stage of developing a project looking at relationship between cognition, competency, and longer-term treatment compliance.
2- Early stage of developing a project looking at relationship between competency (consent to treatment) and cognition in specific medical & neurological condition samples.
Thomas Horn, M.D.
Phone: (617)-246-2388
E-mail: Thomas.Horn@bcbsma.com

**Academic Role:** Associate Professor of Clinical Psychiatry

**UMass Program/Service Affiliations:**

Emergency Mental Health Service, Division of Public Sector Psychiatry, Center for Mental Health Services Research

**Research Interests:**

1. Medical problems and health behaviors of persons with serious mental illness
2. Evidence-based practice implementation
John J. Iwuc, M.D.
Phone: (508) 616-3538
E-mail: john.iwuc@umassmed.edu

Academic Role: Assistant professor

UMass Program/Service Affiliations: Westborough State Hospital, Adolescent Units

Research Interest:
Adolescent inpatient clinical treatment
Sun S. Kim, Ph.D., RN  
Phone: (508) 856-6384  
E-mail: sun.kim@umass.edu  

Academic Role: Assistant Professor  

UMass Program/Service Affiliations: University of Massachusetts Medical School, Center for Mental Health Service Research  

Research Interests:  
Smoking cessation,  
Tobacco dependence treatment,  
Health disparity in tobacco control,  
Tobacco use among HIV-infected people  

Research Summary:  
The prevalence of smoking among Korean men in the US is relatively high compared with people from any other racial/ethnic groups. They also have been recognized as the group who has the highest smoking-related morbidity and mortality within the Asian American population. Yet, Korean men tend not to utilize tobacco dependence treatments currently available in public settings due to cultural, linguistic, and structural barriers. Thus, there is an urgent need for a study examining how to translate tobacco dependence treatments for Korean Americans, particularly for men who are Korean-culture oriented.
Jean King, Ph.D.
Phone: (508) 856-4979
E-mail: Jean.King@umassmed.edu

Academic Role: Vice-Chair of Research/Director, Center for Comparative NeuroImaging (CCNI)

UMass Program/Service Affiliations:
Center for Comparative Neuroimaging

Research Interests:
1. Mood disorders- using fMRI to explore brain circuitry sub-serving mood disorders
2. Role of stress in the etiology of mental health disorders
3. Genetic and environmental factors impacting emotion and cognition during vulnerable periods in development

Research Summary:
The application of functional magnetic resonance imaging (fMRI) to visualize brain regions involved in emotion and cognition has considerably improved our understanding of human neurobiology and hopefully the development of mental health disorders. Studies in my laboratory use fMRI to identify and monitor neuronal activation associated with different emotional states like depression, fearfulness and anxiety in animal models with the hope of finding clues to help us understand these conditions in humans. In addition, the influence of other factors like substance abuse (nicotine) and aging (on mood disorders) are being explored in both human and animal subjects. The long-term goal of this research is to provide an understanding of the unique features of central mechanisms that regulate emotion and cognition in both resilient and vulnerable states.

Representative Publications:


**Ongoing Projects:**

1. Imaging the Fear Response: Impact of age, genetics and gender.
2. Role of androgens in maintaining neuronal integrity.
3. MRS Biomarkers Associated with Early non-motor deficits in Parkinsons.
4. Imaging Nicotine-induced Behavioral Sensitization with fMRI.
5. Effect of Nicotine and Varenicline on brain activity in conscious rats using fMRI/BOLD.
Daniel Kirsch, M.D.
Phone: (508) 856-2149
E-mail: kirschd@ummhc.org

**Academic Role:** Assistant Professor

**UMass Program/Service Affiliations:** UMass Memorial Medical Center, Adult Outpatient

**Research Interests:**
College and graduate student mental health

**Research Summary:**
Recently started academic interest group along with Dr. Ruthann Rizzi on campus mental health.
Monika E. Kolodziej, Ph.D.
Phone: (508) 799-9000, extension 3031
E-mail: mkolodziej@adcare.com

Academic Role: Assistant Professor

UMass Program/Service Affiliations: University of Massachusetts Medical School
Other Affiliations: AdCare Hospital, McLean Hospital, Harvard Medical School

Research Interests:

1. Improvement of services for patients with substance-related disorders via assessment of specific treatment needs, design and implementation of targeted interventions, and enhancement of collaboration between providers.
2. Specialized services for patients with co-occurring psychiatric, medical, and substance-related disorders.

Research Summary:

Dr. Monika Kolodziej is a clinical psychologist with research experience in the areas of health psychology as well as assessment and treatment of substance-related disorders. Since 1998, she has been engaged in clinical research studies at the Alcohol and Drug Abuse Treatment Program at McLean Hospital where currently she is a Research Associate in Psychology. In 2005, Dr. Kolodziej assumed a clinical position at AdCare Hospital in Worcester where she has contributed to the implementation of evidence-based treatments for substance-related disorders, including the initiation of a Seeking Safety group for women in recovery from substance addiction and trauma history. In addition, Dr. Kolodziej holds a research position at AdCare Hospital in order to participate in creating a comprehensive, clinically-oriented research program focused on improvement of treatment for persons seeking inpatient and outpatient treatment for substance-related disorders. In 2008, Dr. Kolodziej obtained an academic appointment at the University of Massachusetts (UMass) Medical School as an Assistant Professor of Psychiatry. As both an active researcher and a clinician, she plays a key role in forming the UMass Central Massachusetts Addiction Consortium, which aims to develop clinically-focused research collaborations among regional facilities that provide services to persons with substance-related disorders.

Representative Publications:


**Ongoing Projects:**
1. Co-Occurrence of Substance Dependence, Psychiatric Disorders, and Chronic Medical Conditions.
2. Assessment and Application of Patient Feedback for Improvement of Substance Abuse Treatment.
3. Social Support Networks of Patients Diagnosed with Co-Occurring Bipolar Disorder and Substance Dependence.

**Grant Information:**
The first two projects are funded by AdCare Hospital. The third project is funded by grants DA15968, DA00326, and DA09400 from the National Institute on Drug Abuse (PI: Roger D. Weiss).
Kimberly Larson, J.D., Ph.D.
Phone: (508) 856-2653
E-mail: Kimberly.Larson@umassmed.edu

Academic Role:  Assistant Professor

UMass Program/Service Affiliations:  University of Massachusetts Medical School, Center for Mental Health Services Research, Law and Psychiatry, Child and Family Forensic Center

Research Interests:
Juvenile Justice, Forensic Psychology, Law and Psychology
Aaron Lazare, M.D.
Phone: (508) 856-3333
E-mail: aaron.lazare@umassmed.edu

Academic Role: Chancellor and Dean Emeritus
Celia and Isaac Haidak Distinguished Professor of Medical Education
Professor of Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School

Research Interests:
The psychology of shame, humiliation, guilt, and embarrassment
The psychology of apology

Research Summary:
Currently studying (1) the mechanisms by which apologies heal, (2) the psychology of humiliation in the medical encounter and in literature, history, and religion

Representative Publications:
Lazare, A. Apology in Medical Practice: An Emerging Medical Skill JAMA 2006; 296:1401-1404
Lazare, A. The Healing Forces of Apology in Medical Practice and Beyond DePaul Law Review, in press.
Charles Lidz, Ph.D.
Phone: (508) 856-8716
E-mail: Chuck.Lidz@umassmed.edu

Academic Role: Professor of Psychiatry; Director of the Center for Mental Health Services Research

UMass Program/Service Affiliations: Center for Mental Health Services Research; Law & Psychiatry

Research Interests:
1. Violence
2. Research and Biomedical Ethics
3. Coercion and Mental Health Care

Research Summary:
Most of my on-going research is related to ethical issues in research. This includes a study of how institutional review boards (IRBs) make decisions about ethical decisions regarding research protocols and a study of how clinical researchers manage the competing interests in providing excellent clinical care to their subjects and following protocols that often, of necessity, restrict the provision of clinical care. Related work focuses on therapeutic misconception in research subjects. I am continuing analyses of previously collected data on violence and mental illness.

Representative Publications:

Ongoing Projects:
1. Principal Investigator “Competition between Science and Care in Clinical Trials” NINDS Grant #NS049595, 2004-2008.
Karen Lionello-DeNolf, Ph.D.
Phone: (508) 460-3415
E-mail: Karen.Lionello-DeNolf@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations: E.K. Shriver Center

Research Interests:
Stimulus control; stimulus equivalence; reinforcement processes

Research Summary:
My research investigates methods for teaching individuals with developmental disabilities such as mental retardation and autism. Current studies examine basic issues in stimulus control, discrimination learning, symbolic processes, and reinforcement processes.

Representative Publications:


**Ongoing Projects:**

Behavioral Choice and Momentum in Severe Mental Retardation

**Grant Information:**

Process Analysis of Behavioral Allocation and Persistence in Severe Mental Retardation (2004 – 2009), HD 04666, NIMH
Rebecca Lundquist, M.D.
Phone: (508) 334-7445
E-mail: lundquir@ummhc.org

Academic Role: Assistant Professor

UMass Program/Service Affiliations: UMass Memorial Medical Center, Director, Ambulatory Psychiatry

Research Interest:
The interface between Psychiatry and Obstetrics/Gynecology

Research Summary:
I am currently working on a project to determine whether prenatal screening for mental illness is an effective way to mitigate the severity of postpartum psychiatric illness.

Grant Information:
Commonwealth Medicine Mini-Grant Program
Anne Lutz, M.D.
Phone: (508) 791-3261
E-mail: Alutz@communityhealthlink.org

Academic Role: Assistant Professor

UMass Program/Service Affiliations: Community Health Link, outpatient departments in Worcester and Leominster (Lipton Center); Highland Grace House

Research Interests:
Strength based therapies/motivational interviewing with adolescents in substance abuse
Use of solution-focused therapy with children and families
Addictions and trauma with adolescents
Family therapy

Ongoing Projects:
I would like to work on developing research within Highland Grace House, assessing treatments that work and impact of strength-based therapies on outcomes.
Wendy K Marsh, M.D.
Phone: (508) 856-5071
E-mail: Wendy.marsh@umassmemorial.org

Academic Role: Assistant Professor

UMass Program/Service Affiliations: Community Healthlink; Outpatient Psychiatry Department / Children

Research Interest:
Interest in mood disorders and reproductive phases in women

Representative Publications:


Ongoing Projects:
Evaluating a multi site data set of patients treated for bipolar disorder for clinical course through reproductive phases, focusing on the menopausal transition.
Gilles E. Martin, Ph.D.
Phone: (508) 856-4074
E-mail: gilles.martin@umassmed.edu

Academic Role: Research Assistant Professor of Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School, Brudnick Neuropsychiatric Research Institute

Research Interests:
Neurobiology of drug addiction
Synaptic plasticity
Dendritic physiology

Research Summary:
Drug addiction is a multifaceted and extremely complex pathology that hinges, to various degrees, on genetic predispositions, psychological influences, social context and environmental factors. Yet, ultimately, all these factors find their expression in, and are controlled by, neuronal activity in a relatively limited number of brain regions. Understanding how alcohol regulates neuronal excitability is therefore essential.

For the past few years, I have studied alcohol tolerance, a critical component of alcohol addiction that is a good predictor of the likelihood that someone will eventually develop addiction to the drug. I focused on calcium- and voltage-gated large conductance potassium channels (BK channels). Of all the known potassium channels, BK is the only one sensitive to low, and physiologically relevant, alcohol concentrations. This feature, combined with their ability to shape neuronal excitability in a number of brain regions involved in drug addiction, make BK channel a particularly interesting target.

Like many ion channels, BK channels are composed of a core pore-forming subunit (α) which is associated an auxiliary subunit (β). To date, of the four auxiliary subunits identified (β1 - β4), only β1 and β4 have been found in the brain. I recently showed that β4 subunits control the development of alcohol tolerance, at the molecular, cellular and behavioral level, in striatal medium spiny neurons (PNAS 2008). My work also revealed that β4 subunit effects are caused by its ability to modulate the interactions between the α subunit and several kinases, each one controlling a different aspect of the BK channel response to alcohol (i.e. potentiation, tolerance) (submitted to J. Biol. Chem).

Representative Publications:


Ongoing Projects:

I am now further examining the role of β4 auxiliary subunits in mediating alcohol tolerance. In collaboration with Dr. Rogaev, an expert geneticist with access to various populations (Caucasian and Asian) addicted to alcohol, I will explore the possible existence of β4 polymorphisms. I hypothesize that β4 subunit single point mutation(s), on the coding sequence but not on the promoter region, alter(s) BK channel β subunit and kinases interactions, conferring the channel the ability to develop tolerance. As outlined in my recent PNAS paper, I will test alcohol tolerance at the single channel level in an expression system, as well as at the cellular and behavioral levels. If such mutations exist, this would be the second example (GABA being the first) of channelopathy in the field of alcohol addiction, a very exciting prospect considering the potential therapeutic consequences of such a possibility.
Allen Masry, M.D.
Phone: (508) 899-2999 (pager)
E-mail: allen.masry@state.ma.us

Academic Role: Assistant Professor

UMass Program/Service Affiliations: Westborough State Hospital

Research Interest:

Tobacco and in-patient psychiatric patients in state facilities.
Julia Matthews, Ph.D., M.D.
Phone: (781) 449-8382
E-mail: Julia.matthews@verizon.net

Academic Role:  Associate Professor of Clinical Psychiatry
Instructor of PGY-2 psychotherapy seminar (year-long)
Psychotherapy supervisor
Instructor in MBB II

UMass Program/Service Affiliations:  University of Massachusetts Medical School, Residency training

Research Interests:
Evaluation of teaching and training
Impact of childhood trauma

Representative Publications:


Ongoing Projects:
An assessment of construct validity of several measures of psychotherapy competence among psychiatry residents
Joseph C. McGill, MSW, LICSW
Phone: (508) 793-6914
E-mail: Joseph.McGill@UMassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations: UMass Memorial Medical Center; Child and Family Forensic Center

Research Interests:
Adolescent decision making/input into custody determination
William McIlvane, Ph.D.

Phone: (781) 642-0153
E-mail: William.McIlvane@umassmed.edu

Academic Role: Professor

UMass Program/Service Affiliations:

Department of Psychiatry, Program in Neuroscience; E.K. Shriver Center

Research Interests:

1. Developmental Disabilities
2. Human and Nonhuman Neurobehavioral Analyses

Research Summary:

Dr. McIlvane directs an interdisciplinary program of research that addresses a variety of scientific problems that are relevant to understanding and/or ameliorating mental retardation and developmental disabilities. One focus of the program is an attempt to further understand why many individuals with intellectual disabilities show atypically slow, inflexible learning. A long-term goal is to determine the degree to which learning deficits may be correctable by improving teaching methodology. A second focus of Dr. McIlvane’s program is on the analysis of behavioral relations mapping various symbol forms (e.g., words spoken or printed) with corresponding environmental events (e.g., objects, pictures).

Representative Publications:


Ongoing Projects:

1. Studies of Stimulus Control in Mental Retardation (NICHD, P01). This program project grant is directed to improving methodology for teaching and evaluating children with neurodevelopmental disabilities, focusing especially on autism spectrum disorders. The project integrates various approaches to the problem, including behavior analysis, developmental psycholinguistics, and cognitive neurosciences.
2. Behavioral Studies of Mental Retardation and Depression (NICHD, R01). The focus of the project is clinical depression in people with mental retardation and limited language. We adapt state-of-the-art behavioral testing methods which can be used to inform us about the cognitive functioning of persons with and without a clinical dual diagnosis of mental retardation and depression.
3. Process Analysis in Behavioral Allocation and Persistence in Severe Mental Retardation (NICHD, P01). This project concerns choice processes in behavioral allocation and persistence in persons with intellectual disabilities. One focus is on children with severe intellectual disabilities. The second focus is
on the potential impact of social variables on processes involved in behavioral allocation and persistence.
Colleen McKay, M.A., C.A.G.S.
Phone: (508) 856-8471
E-mail: Colleen.McKay@umassmed.edu

Academic Role: Research Instructor

UMass Program/Service Affiliations:

University of Massachusetts Medical School; Center for Mental Health Services Research; Program for Clubhouse Research

Research Interests:

1. Outcomes for vocational services for adults diagnosed with mental illness
2. The Clubhouse Model of Psychosocial Rehabilitation
3. Questions that address a variety of mental health issues
4. Health promotion and wellness activities for individuals diagnosed with SMI

Research Summary:

Colleen is the Program Director of the Program for Clubhouse Research. A rehabilitation counselor with experience in mental health services and the clubhouse model, Colleen has been involved with several employment outcome studies including the SAMHSA-funded Employment Intervention Demonstration Program (EIDP) and the Massachusetts Clubhouse Coalition’s annual Employment Survey. She has been involved with an international survey of clubhouses affiliated with the International Center for Clubhouse Development (ICCD), examined health promotion and wellness activities with clubhouses, and she has examined the costs of clubhouse programs internationally. Colleen is interested in research questions that address a variety of mental health issues and international clubhouse issues.

Representative Publications:


Ongoing Projects:

1. We are conducting a cost benefit analysis of the Clubhouse Model of Psychosocial Rehabilitation, building upon a comprehensive survey of clubhouses affiliated with the International Center for Clubhouse Development (ICCD). Recognizing that not all Clubhouses may produce a sum of benefits that exceed the sum of Clubhouse costs, we ask which Clubhouses do, and how we can characterize them. We expect that Clubhouses that are certified may be more beneficial, although also more costly, than Clubhouses that are not certified. We also expect variables other than certification, such as where the clubhouse is located (US vs. non-US), budget size (small, medium, medium-large, and large), length of operation, and whether program staff participate in training on the clubhouse model will have an impact clubhouse costs and benefits.

2. Logic Model/Program Theory: A Project Logic Model sets out in a systematic manner the way that program components or activities result in program outcomes or achievements. In the case of the Clubhouse program, components or activities are clearly specified in the Standards and other Clubhouse documentation. However outcomes or achievements are less clearly identified. We are developing a logic model of the Clubhouse Model and a program theory of the clubhouse that links what happens within the model with anticipated outcomes in collaboration with Robert King from the University of Queensland.

3. Health Promotion in the ICCD Community – tobacco cessation activities. We are developing a pilot project that will implement tobacco cessation activities in an ICCD-certified clubhouse. This project will build on earlier efforts including a structured exercise program for adults with SMI.

4. A survival analysis of data of individuals participating in ICCD clubhouses that have participated in Transitional, Supported, or Independent Employment offered by clubhouses. Durations of employment will be examined to assess the impact of the various employment supports provided by the clubhouse on job retention.
Thomas McLaughlin, M. Div., Sc.D.
Phone: (508) 856-3132
E-mail: Thomas.Mclaughlin@umassmed.edu

Academic Role: Professor

UMass Program/Service Affiliations:
Child and Adolescent Psychiatry

Research Interests:
1. Population-based behavioral health services research, including system innovation, population-based quality indicators for mental health, access to treatment for common mental disorders in primary care populations.
2. Provider quality improvement interventions
3. Longitudinal data analysis in population studies, including hierarchical linear models, methods to address selection bias in observational studies (propensity scores) classical and hierarchical time-series models.

Research Summary:
My research interests are in system innovations for common mental disorders in primary care, especially depressive disorders in medical illness as well as adolescent depression. Presently, three projects are the focus of my attention: 1) a randomized trial funded by Robert Wood Johnson Foundation to examine the effects of a time-limited telephone based intervention to modulate the risk of depression and anxiety in survivors of cardiac events; 2) implementation of a system of care for adolescent depression; 3) and an NIMH-funded Intervention and Practice Research Infrastructure Support Program (IP RISP) aimed at improved management of psychological distress in medical illness.

Representative Publications:

Ongoing Projects:
1. A System of Care for Depression in Medical Illness (PI, NIMH).
2. Effectiveness of Telephone Counseling in Managing Depression Associated with Chronic Medical Illness (PI, RWJ).
4. Depression and Productive Work Activity (NIMH, with Debra Lerner & David Adler, New England Medical Center).
Haley Melikian, Ph.D.
Phone: (508) 856-4045
E-mail: Haley.Melikian@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations:
University of Massachusetts Medical School; Biochemistry and Molecular Pharmacology; Neuroscience; IGP Brudnick Neuropsychiatric Research Institute

Research Interests:
1. Monoamine Transporter Regulation
2. Membrane Trafficking
3. Addiction, Affective disorders

Research Summary:
Once released into the synapse, monoamines are rapidly recaptured by presynaptic reuptake processes mediated by plasma membrane monoamine transporters. These important proteins are the primary targets for a variety of psychoactive agents, including cocaine, amphetamines and antidepressants, which inhibit transporter function. Recent studies indicate that endogenous cellular processes also control transporter activity. Most notably, monoamine transporter cell surface densities are dynamically regulated by membrane trafficking to and from the plasma membrane. Work in our lab is focused on elucidating the molecular mechanisms underlying monoamine transporter trafficking and regulation. Studies are actively investigating intrinsic transporter properties necessary for regulation and trafficking, as well as cellular factors interacting with and governing transporter trafficking.

Representative Publications:


Boudanova, E., Navaroli, D.M., and Melikian, H.E. Amphetamine-induced decreases in dopamine transporter surface expression are protein kinase C-independent, Neuropharmacology, in press.


Ongoing Projects:
1. Trafficking and Regulation of Monoamine Transporters.

2. The Role of Dopamine Transporter Trafficking in Psychostimulant Addiction
Bruce Meltzer, MD  
**Phone:** (508) 616-3528  
**E-mail:** bruce.meltzer@umassmed.edu

**Academic Role:** Assistant Professor of Psychiatry

**UMass Program/Service Affiliations:**
UMass Adolescent Continuing Care Units, Westborough State Hospital

**Research Interests:**
Pediatric psychopharmacology and tobacco use in serious and persistent youth mental illness

**Representative Publications:**


W. Peter Metz, M.D.
Phone: (508) 856-5956
E-mail: Peter.Metz@umassmed.edu

**Academic Role:** Clinical Professor of Psychiatry and Pediatrics

**UMass Program/Service Affiliations:**
UMass Memorial Medical Center, Child & Adolescent Psychiatry

**Research Interests:**
Establishment of evidence base to support efficacy of wraparound process within a system of care.

**Research Summary:**
Dr. Metz has headed a research effort to evaluate a strength-based and culturally competent orientation within traditional psychodynamic, cognitive behavioral, and family systems theory, as well as by emphasizing the values of principles of the Child and Adolescent Service System Program (CASSP). Analysis of outcome data, obtained from Worcester Communities of Care (WCC), over the past 5 years. (SAMSA grant, $9 million, 6 years).

**Representative Publications:**

**Ongoing Projects:**
1. Long term outcomes of WCC intensive wraparound process compared to a matched comparison group.

2. Cost analysis of impact of WCC on Mass Health medical behavioral health and pharmacy costs on youth with Mass Health insurance enrolled in WCC.

3. Impact of Central MA Communities of Care grant in diverting youth with SED from involvement in the Juvenile Justice System.

4. Evaluation of family satisfaction to the Massachusetts Child Psychiatry Access Project.
Ruben Miozzo, MD, MPH
Phone: (508) 334-3403
E-mail: MiozzoR@ummhc.org

**Academic Role:** Assistant Professor of Psychiatry

**UMass Program/Service Affiliations:** Department of Psychiatry, Outpatient Psychiatric Treatment Center

**Research Interests:**
- Symptom Presentation and Psychopharmacology of Depression
- Health Services Research
- Use of antidepressants in the community

**Research Summary:**
I am presently working with some databases to study Depression in adolescents in a Primary care population, and the use of antidepressants and diabetes in the community. I am interested in the impact of depression in the community

**Presentations**


*Brand Name to Generic Clozapine Switch: Pharmacokinetic and Clinical Effects*  


**Representative Publications:**


**Ongoing Projects:**
- Use of antidepressants in the community
- Symptom presentation of Dysthymic Disorder
Lisa A. Mistler, M.D.
Phone: (508) 860-8701
E-mail: lmistler@massmail.state.ma.us

Academic Role: Assistant Professor of Psychiatry

UMass Program/Service Affiliations: Worcester State Hospital

Research Interests:

1. Shared decision making; antipsychotic prescribing; reducing polypharmacy; people with severe mental illness

2. Secondary: hepatitis C treatment of people with severe mental illness

Research Summary:

Currently exploring creating a decision aid for providers and patients regarding treatment of psychotic illnesses; developing “drug facts box” to investigate comprehension of medication information by people with severe mental illness

Representative Publications:

Mistler and Drake, JPP in press “Shared Decision Making in Antipsychotic Management”

Mistler, Mellman, and Drake, QSHC in press “A Pilot Study of an Algorithm to Reduce Antipsychotic Polypharmacy”

Morden, Mistler, Weeks, and Bartels JABFM in press “Improving Physical Health Care for Patients with Serious Mental Illness: Family Medicine’s Role”
Teresa Mitchell, Ph.D.
Phone: (781) 642-0253
E-mail: Teresa.Mitchell@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations:
E.K. Shriver Center, University of Massachusetts Medical School, Department of Psychiatry and Program in Neuroscience

Research Interests:
1. Development of visual processes in deaf populations
2. Development of face processing
3. Development of visual attention
4. Multimodal perception
5. Autism

Research Summary:
I am interested in how visual processes are affected by the absence of auditory input. My colleagues and I have shown that certain visual functions (motion processing, responses to events in the periphery) are enhanced by congenital deafness but others (color processing) are not. My lab is currently studying: 1) face processing and visual attention in deaf and hearing children and adults, 2) early visual attention processes in infants (with an eye towards pre- and post-cochlear implant assessment), and 3) interactions between visual and auditory input in typical development of perception and attention.

Representative Publications:

Ongoing Projects:
1. Impact of deafness on the development of face processing.
2. Face processing in autism and Down Syndrome.
3. Attention to changes in complex scenes in autism.
4. Auditory processing in autism.
Ellen More, Ph.D.
Phone: (508) 856-7633
E-mail: Ellen.More@umassmed.edu

Academic Role: Professor; Head, Office of Medical History and Archives, Lamar Soutter Library

UMass Program/Service Affiliations:
Lamar Soutter Library
Psychiatry Residency education

Research Interests:
1. The history of the American medical profession.
2. The history of women physicians.
3. The post-World War II history of sex education.
4. The patient-practitioner relationship; empathy.

Research Summary:
As a historian of the medical profession, I examine changes in the medical profession, in health care, and in medical education in American society. One of my current books will explore the development of support for comprehensive sex education, and especially the role of medicine and public health in this process, from circa 1950 to the present. A second work is an edited volume of the most recent research on the history of women physicians in the U.S., to be published in the Fall of 2008. Finally, I am completing a history of the Family Medicine residency program at UMMS, the first in Massachusetts, and beginning a book-length history of the early decades of UMass Medical School.

Representative Publications:
1. Gender, Health and Power: Women Physicians and the Cultures of Medicine, co-edited with Elizabeth Fee and Manon Parry (Johns Hopkins, 2008; in press).
3. The Empathic Practitioner: Empathy, Gender, and Medicine, co-edited with Maureen Milligan (Rutgers, 1994).

Ongoing Projects:
1. A book, under contract to Beacon Press, on the proponents of sex education in the US, since c. 1950;
3. A history of Family Medicine in Massachusetts (article).
Patrice M. Muchowski, SCD
Phone: (508) 453-3039
E-mail: pmuchowski@adcare.com

**Academic Role:** Affiliate to the Department of Psychiatry

**UMass Program/Service Affiliations:**

AdCare Hospital

**Research Interests:**

Primarily interested in research projects that evaluate outcome in addictions treatment and investigate treatment interventions and models.

**Research Summary:**

Member of the Steering Committee of the NIDA Clinical Trials
Currently involved in a ‘Couples Project for Women’ Research Project funded by NIAAA; Principal Investigator, Timothy O’Farrell, Ph.D.

**Ongoing Projects:**

Involved in Program Evaluation activities at AdCare Hospital

Exploring the development of a craving instrument that can be used during treatment to assess intensity and pervasiveness of craving.
Denise Mumley, Ph.D.
Phone: (508) 368-3440
E-mail: denise.mumley@dmh.state.ma.us

Academic Role: Assistant Professor of Psychiatry

UMass Program/Service Affiliations: Worcester State Hospital

Research Interests:
Competence to Stand Trial
Violence Risk Assessment

Representative Publications:


Ongoing Projects:
Currently working on update of five-year review of research on competence to stand trial evaluations, to be published in Behavioral Sciences and the Law.
Joanne Nicholson, Ph.D.
Phone: (508) 856-8712
E-mail: Joanne.Nicholson@umassmed.edu

Academic Role: Professor of Psychiatry and Director, Child & Family Research Core

UMass Program/Service Affiliations:
Center for Mental Health Services Research

Research Interests:
1. Parents with mental illnesses and their families
2. Intervention implementation, systems transformation & organizational change
3. The integration of mental health services in primary care
4. The impact of trauma experiences on parenting and family life

Research Summary:
Dr. Nicholson has established an active, consumer-informed program of research on parents with mental illness and their children. Recent funded projects include the development and testing of family-centered intervention for parents with mental illnesses and their families; the implementation of a systems of care initiative in child welfare; and the investigation of the impact of parenting experiences and family life on the recovery trajectories of mothers with mental illnesses.

Representative Publications:

Ongoing Projects:
1. Principal Investigator, "Implementing MA/DSS Family Networks: Evaluating Local Systems of Care." UMMS Commonwealth Medicine. 01/01/07 to 12/31/08. Total Costs: $610,000 for 2 years.
2. Principal Investigator, "Family Care Management for Parents with Mental Illness and their Children." AstraZeneca Pharmaceuticals. 9/01/05 to 12/31/07. Total Costs: $1,012,129 for 28 months. 1/01/08 to 12/31/08. Total Costs: $275,000 for 12 months.
3. Principal Investigator (Distinguished Fellow), "Transforming the Child Welfare System to Improve Outcomes for Children and Youth Whose Parents Have Mental Illness." The William T. Grant Foundation. 10/01/05 to 9/30/07. Total Costs: $212,657 for two years; extended to 6/30/08.
Ira K. Packer, Ph.D.
Phone: (508) 856-8747
E-mail: ira.packer@umassmed.edu

Academic Role: Clinical Professor of Psychiatry

UMass Program/Service Affiliations:
University of Massachusetts Medical School, Law and Psychiatry Program

Research Interests:
Mental illness and violence
Mentally ill and the criminal justice system
Psychopathy

Representative Publications:


Ongoing Projects:
Psychopathy and Treatment Outcomes in Forensic Psychiatric Patients: A Pilot Study (funded by Commonwealth Medicine mini-grant)

“Persons with Severe Mental Illnesses in Prisons: Demographic and Clinical Characteristics”
Jayendra Patel, Ph.D.
Phone: (508) 856-5928
E-mail: patelj@ummhc.org

Academic Role: Assistant Professor

UMass Program/Service Affiliations:
Center for Psychopharmacologic Research and Treatment

Research Interests:
1. Schizophrenia—treatment outcomes, biological mechanisms underlying clinical manifestations and treatment response
2. First Episode Psychosis—treatment outcomes, early intervention and biological mechanisms underlying clinical manifestation.
3. Novel treatments to improve negative and cognitive symptoms
4. Bipolar Disorder—Pharmacology and treatment outcomes, Genetics

Research Summary:
The Schizophrenia Research and Bipolar Disorder program is part of the Center for Psychopharmacological Research and Treatment. The program is involved in 2 NIMH sponsored studies (CATIE – I and II studies STEP-BD). These studies recruit “real world” individuals to provide meaningful data about effectiveness of various treatments currently available. We also conduct Phase II and III studies involving promising novel compounds with effects on psychosis, mood and cognition. Other studies evaluate the metabolic and other effects of antipsychotic medications. The program offers opportunities to interested and motivated residents and trainees to learn more about management of these illnesses and possibly join our group to pursue a career in clinical research.

Representative Publications:

Ongoing Projects:
1. A Multicenter, Randomized, Double-Blind Study on the Effects of Aripiprazole on Overweight Patients treated with Olanzapine for Schizophrenia or Schizoaffective Disorder (Site PI: Patel JK; Sponsor: Bristol Myers Squibb).


3. Genetic Determinants of Bipolar Disorder (Site PI- Patel, JK; PI: Smoller J, RO1 MH063445; NIMH ).

Debra Pinals, M.D.
Phone: (508) 368-3369
E-mail: debra.pinals@dmh.state.ma.us

Academic Role: Associate Professor

UMass Program/Service Affiliations: Commonwealth Medicine; Director, Forensic Psychiatry Fellowship, Co-Director Law & Psychiatry Program

Research Interests:
Legal regulation of psychiatric practice, forensic psychiatry, violence risk assessment, and psychopharmacological issues in forensic practice, stalking, forensic training and forensic public sector system issues.

Research Summary:
I have conducted research/academic projects related to competence to stand trial, violence risk assessment, forensic service delivery systems, stalking and teaching of forensic psychiatry. I have helped mentor numerous trainees in research projects dealing with forensic criminal and civil topics such as police training, disability, prosecution of psychiatric patients, managed care and civil commitment.

Representative Publications:

Sattar SP, Pinals DA, Din AU, Appelbaum PS. To Commit or not to commit: the psychiatry resident as a variable in involuntary commitment decisions. Academic Psychiatry 2006; (30):191-195.


Ongoing Projects:
I am currently working on developing educational materials for forensic psychiatry training, funded by a grant from the American Academy of Psychiatry and the Law Institute of Education and Research. I am also working on writing on topics related to informed consent and civil commitment.
Alexandra Pinkerson, M.D.
Phone: (617) 626-9007
E-mail: Alexandra.Pinkerson@DMH.state.ma.us

Academic Role: Instructor

UMass Program/Service Affiliations: Quincy Mental Health Center

Research Interests:

Community mental health
Persistent and severe mental illness
Richard A. Prager, Ph.D.
Phone: (508) 829-2096
E-mail: rcprager@verizon.net

Academic Role: Senior Affiliate in Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School, Department of Psychiatry

Research Interests:

Psychotherapy Outcome
R. Jo Renn, M.D., Ph.D.
Phone: (508) 334-4833
E-mail: rennrj@ummhc.org

**Academic Role:** Assistant professor

**UMass Program/Service Affiliations:** UMass Memorial Medical Center, adult inpatient

**Research Interests:**

Psychopharmacological trials
Post traumatic stress disorder (PTSD)
Borderline personality
Judge Maurice H. Richardson, J.D.
Phone: (508) 856-8749
E-mail: maurice.richardson@umassmed.edu

Academic Role: Assistant Professor, Department of Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School, Law & Psychiatry Program

Research Interests:

Mental illness and the criminal justice system
Ruthann Rizzi, M.D.
Phone: (508) 856-3220
E-mail: Ruthann.Rizzi@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations: UMass Memorial Medical Center, Director Student Counseling Service

Research Interest:
Mental health of medical students
Evgeny Rogaev, Ph.D., Dr.Sci.
Phone: (508) 856-8438
E-mail: Evgeny.Rogaev@umassmed.edu

Academic Role: Professor

UMass Program/Service Affiliations:
Program in Neuroscience
Brudnick Neuropsychiatric Research Institute

Research Interests:
1. Identification of genes and cellular proteins that play a critical role in normal and pathological aspects of human behavior
2. The study of evolutionary aspects of human populations, genome and specific genes in order to elucidate the phenomenon of some behavioral disorders prevalent in humankind.
3. Alzheimer’s disease, schizophrenia and depression are three of the most common mental disorders and our primary interest.

Research Summary:
Our research is focused on the identification of genes and cellular proteins that play a critical role in normal and pathological aspects of human behavior. To identify such genes and proteins we first use the strategies of linkage, genetic association analysis and positional cloning to isolate the mutant or polymorphic genes underlying the human diseases. We then develop functional assays to express these genes in vitro and in vivo to study their normal and pathogenic functions.

Representative Publications:


Andrea Rosenthal, M.D.
Phone: (978) 796-1580  
E-mail: andreajr5@msn.com

Academic Role: Assistant Professor

UMass Program/Service Affiliations: Federal Medical Center (FMC)-Devens  
Clinical care in a correctional setting as part of the UMass Correctional Health contract

Research Interests:
Severe Mental Illness  
Correctional Psychiatry  
Psychosocial Rehabilitation
Anthony Rothschild, M.D.
Phone: (508) 856-1027
E-mail: Rothscha@ummhmc.org

Academic Role: Irving and Betty Brudnick Professor and Endowed Chair of Psychiatry

UMass Program/Service Affiliations:

UMass Memorial Medical Center, Center for Psychopharmacologic Research and Treatment

Research Interests:

1. Diagnosis, Biology, and Treatment of Psychotic Depression
2. Hypothalamic Pituitary Adrenal Axis Dysfunction in Psychiatric Patients
3. The Long-Term Effects of Hypercortisolemia on Cognition and Social/Occupational Functioning in Depressed Patients
4. Novel Psychopharmacologic Agents in the Treatment of Mood, Anxiety, and Psychotic Disorders

Research Summary:

The mission of the Center for Psychopharmacologic Research and Treatment is to provide state-of-the-art care for patients suffering from Mood and Anxiety Disorders and Schizophrenia, conduct research on new and more effective treatments for these disorders, and teach current and future practitioners. The Center is currently conducting a number of research projects for patients who suffer from a variety of conditions. The Center is committed to making new state-of-the-art treatments available to patients who may not have derived benefit from currently available treatments. The Center has a strong commitment to the teaching of clinicians currently in practice, fellows, resident, and medical students.

Representative Publications:


Ongoing Projects:

1. NIMH Study of the Pharmacotherapy of Psychotic Depression (STOP-PD)
This study uses a two-armed randomized double-blind parallel group design to compare the efficacy and tolerability of combining sertraline and olanzapine to olanzapine alone for the acute treatment of psychotic depression. By blocking recruitment of subjects at age >60 or < 60 on a 1:1 basis the study will determine the relationship between older age and remission, time to remission and tolerability. A twelve-week acute phase efficacy study is followed by a twenty-week continuation trial during which subjects who achieved partial remission enter a placebo-controlled augmentation trial that is based on their initial assignment.

2. Treatment-Resistant Depression Registry
A long-term, prospective, observational, multi-center patient outcome registry to collect data in patients with treatment-resistant depression (TRD) who are currently in a major depressive episode. TRD is defined as a chronic depression that is at least two years in duration or a recurrent depression that includes at least three lifetime episodes including the current major depressive episode (MDE); and an inadequate response to four or more adequate antidepressant treatments. (Adequate antidepressant treatment is defined as dosage per PDR labeling for a minimum of 4 weeks). The objective of this registry is to follow the clinical course and outcome for patients with treatment-resistant depression treated with and without adjunctive VNS Therapy; Cyberonics

3. A 52-week, randomized, double-blind, placebo-controlled, multi-center, parallel-group study of the long-term efficacy, tolerability and safety of agomelatine, 25 and 50 mg, in the prevention of relapse of Major Depressive Disorder (MDD) following open-label treatment of 16-24 weeks; Novartis
Usha Sambamoorthi, PhD
Phone: (732) 972-6232
E-mail: usha.sambamoorthi@umassmed.edu

Academic Role: Professor, Director, Women’s Health and Population-based Mental Health Disparities

UMass Program/Service Affiliations: University of Massachusetts Medical School

Research Interests:
- Analyzing disparities in healthcare services by gender, and racial/ethnicity, and disability.
- Evaluation of treatment, and outcomes in individuals with multiple chronic medical and mental conditions.
- Statistical modeling of utilization and other outcomes over time.
- Creating a more comprehensive understanding of disparities and population health by having a holistic approach to healthcare that integrates physical, mental health.

Research Summary:
Dr. Sambamoorthi is a health services researcher with doctoral level training in economics. She is an applied health services researcher with over 20 years of experience in healthcare and peer-reviewed publications in many areas including chronic physical (HIV, diabetes) and mental illness care, disease management, pharmacotherapy, pharmacoeconomics, healthcare expenditures, clinical preventive services, healthcare issues among vulnerable groups of the population such as women, racial minorities, and the elderly. Her research has been both methodological and substantive. She has been an investigative researcher on many NIH, AHRQ and VHA funded projects.

Her current research involves the interaction between mental and physical illness care among veterans. She is also committed to moving forward the research agenda on women veteran’s health. Building on her work with Medicare and Medicaid claims and survey data in the non-VHA sector, Dr. Sambamoorthi in collaboration with the team members has completed manuscripts on diabetes care among women veterans. In addition to manuscripts, she has led the development of new grants funded by VA HSR&D funding and prepared abstracts presented in national meetings.

A significant aspect of her research has demonstrated the rich potential of administrative data, such as insurance claims, to study healthcare. Although research based on insurance claims has limitations, it has proven to be well suited to answer many of the urgent policy and service delivery questions. Many of the measures she has developed using creative and innovative approaches with Medicaid claims data have been used in peer-reviewed publications in scholarly journals.

In many analyses of health services use, a critical issue has been the development and implementation of appropriate analytic models. Therefore, she has also been involved in developing techniques to deal with a variety of statistical modeling problems in analyzing utilization and other outcomes over time. She has co-authored a number of published articles using statistically sophisticated techniques to advance methodology in health services research, such as the application of survival models, hierarchical linear models, selection models, nested logic models and robust regression techniques for longitudinal data.

Representative Publications (2007-2008)

Findley PA, Sambamoorthi U. Health Promotion Activities among Cancer Survivors. *Journal of Cancer Survivorship*. Provisionally Accepted for publication
Chatterjee S, Milton K, Sambamoorthi U: Prevalence of Chronic Illness in Pregnancy, Access to Care and Health Care Costs: Implications for Interconception Care. Accepted for publication, *Women's Health Issues*

Tiwari A, Rajan M, Olfson M, Miller D, Pogach LM Sambamoorthi U. Guideline-consistent Antidepressant Treatment Patterns Among Veterans with Diabetes and Depression. *Psychiatric Services, In press*

Mitra S, Sambamoorthi U. Wage Differentials by Disability Status in an Agrarian Labor Market in India; *Applied Economic Letters. In press*


**Ongoing Projects:**
Chronic Physical and Mental Illness in Women Veterans (Principal Investigator, R01 – VHA HSR&D); 2006 – 2009, Direct costs: $574,000

Health Care Use, Outcomes, and Costs of Comorbid Depression and Diabetes (Principal Investigator, R01 – VHA HSR&D); 2006 – 2009; Direct costs: $479,900

Longitudinal Costs of Veterans with Diabetes (Co-Investigator, R01 – VHA HSR&D, 2008 – 2010, Direct Costs: $503,800

Amputation Related Trends, Health Care Use, and Outcomes among Veterans (Co-PI, R01 – VA HSR&D); 2005 – 2008, Direct costs: $473,100


Preventing HIV: Educating Youth of West Bengal (Role: Co-Investigator) – R15 NIH – 2008 – 2010 – not funded

Assessing Value of Glycemic Interventions among VHA Facilities – (Role: Co-Investigator) – VA HSR&D – not funded

Racial and Mental Health Disparities in Outcomes in Veterans with CKD – (Role: Co-investigator) – VA HSR&D – not funded

Tobacco Use And Experiences With Smoking Cessation Treatment Among VHA Clinic Users With Chronic Complex Illness – Role (Co-Principal Investigator; Principal Investigator: David Smelson, PsyD) – VA HSR&D – not funded
Richard Serna, Ph.D.
Phone: (781) 642-0027
E-mail: Richard.Serna@umassmed.edu

Academic Role: Associate Professor

UMass Program/Service Affiliations:

Neuroscience, EK Shriver Center

Research Summary:

Dr. Serna investigates basic processes in discrimination learning with individuals who have severe intellectual disabilities and learning problems. His research also asks how such processes can be applied to individuals who fail to learn through traditional verbal and nonverbal discrimination training procedures.

Representative Publications:


Ongoing Projects:

1. Level account has emerged to explain stimulus control development and transfer. As a consequence, the many successes and too-frequent failures of transfer-based teaching programs are only poorly understood. The research program will help in developing a general theoretical account of transfer, a general theory of stimulus control acquisition, and a more effective, better understood teaching technology for people with intellectual disabilities. The empirical foundation for the project derives from a series of methodological studies that have been conducted over the past five years, as well as other basic research studies, conducted in Shriver laboratories and others. Those methodological studies sought reliable procedures for teaching individuals with mental retardation to relate physically dissimilar stimuli (e.g., a picture and a corresponding printed word). The findings have clarified the nature of the problem we face and have led us to reconsider longstanding assumptions about stimulus control development and transfer. For example, do the gradual stimulus changes in transfer programs produce gradual changes in stimulus control or does transfer occur in a different manner than previously assumed? Are failures of programmed teaching procedures due to stimulus control transfer failures or merely to the wrong type of transfer? Are the variable outcomes of transfer procedures inevitable or can we develop a principled approach to reduce that variability? We believe that the theoretical and methodological foundation now exists to begin to answer these and other longstanding questions about stimulus control transfer and stimulus control development more generally. Answering those questions will advance not only theory but also our ability to teach people with intellectual disabilities more effectively. Research-to-practice studies are included to validate key principles and procedures in applied settings. By understanding better the determinants of transfer, we hope to help remove barriers to effective instruction for many individuals with mental retardation and other developmental disabilities.
Ellen L. Sharenow, Ph.D.
Phone: (508) 334-7595
E-mail: ellen.sharenow@umassmemorial.org

**Academic Role:** Assistant Professor

**UMass Program/Service Affiliations:** UMass Memorial Medical Center

**Research Interests:**
Improving quality of life in patients with psychological sequelae due to cancer diagnosis and treatment.
Tatyana Shteinlukht, M.D.
Phone: (508) 334-2235
E-mail: ShteinT@ummhc.org

Academic Role: Assistant professor

UMass Program/Service Affiliations:
UMass Memorial Medical Center, Adult psychiatry

Research Interests:
1. Substance abuse in the elderly including tobacco, prescription drug and over-the-counter medications abuse and/or misuse.
2. Electroconvulsive therapy in treatment-resistant mood and psychotic disorders in elderly.
3. Decision-making capacity in mentally ill elderly.

Research Summary:
One of my major interests is addressing prescription drug abuse and/or misuse and tobacco dependence in geriatric population through organizational change. I am also studying the response to ECT in treatment-resistant depression in elderly. Finally I study autonomy versus paternalism in decision-making in mentally ill elderly.

Representative Publications:

2. Shteinlukht, T, Zionist D. Substance abuse in elderly. Presentation @ UMass Boston Gerontology Institute, March 31, 2008


Ongoing Projects:
1. Addressing tobacco dependence through organizational change (ATTOC) in community-based outpatient clinic settings. PI, Co-PI David Smelson, $ 75,000; application submitted to the VA, decision expected in May 2008

2. Impact of Brevital vs Propofol use on seizure duration and use of antihypertensive medications during ECT. Co-PI with Dr. Rana Badr (unfunded).
David Smelson, Psy.D.
Phone: (508) 856-3768
E-mail: David.Smelson@umassmed.edu

Academic Role: Professor of Psychiatry; Vice Chair of Clinical Research

UMass Program/Service Affiliations: University of Massachusetts Medical School, Center for Mental Health Services Research

Research Interests:

1. Addiction
2. Persistent mental illness
3. Co-occurring disorders of substance abuse and mental illness

Representative Publications:


Banerjea R, Sambamoorthi U, Smelson D, Pogach LM. Chronic Illness with Complexities: Mental
Illness and Substance Use among Veteran Clinic Users with Diabetes. The American Journal of Drug and Alcohol Abuse; 33 807-821.


Ongoing Projects:

1. Health and Human Services-Center for Substance Abuse Treatment # TI16576, Award Amount $1,968,071. Title: Maintaining Independence and Sobriety through Systems Integration, Outreach and networking: The MISSION Program. PI David Smelson, Co-PI Anna Kline, Co-I Douglas Ziedonis, Bradley Sussner, Miklos Losonczy. October 2004-September 2009


Andrew R. Tapper, Ph.D.
Phone: (508) 856-8164
E-mail: Andrew.tapper@umassmed.edu

Academic Role: Assistant Professor of Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School, Brudnick Neuropsychiatric Research Institute

Research Interests:
The role of neuronal nicotinic acetylcholine receptors in addiction and Parkinson’s disease.

Research Summary:
Using a combination of genetic, behavioral, pharmacological, and electrophysiological approaches, my lab is interested in understanding the biology of neuronal nicotinic acetylcholine receptors in the central nervous system with a focus on their roles in addiction and other neurological disorders such as Parkinson’s disease.

Representative Publications:


Ongoing Projects:
1. To understand if a common addiction pathway underlies nicotine addiction and alcoholism.
2. To determine if the same nicotinic receptors that initiate nicotine dependence are also necessary for the reinforcing effects of alcohol.
3. To determine the role nicotinic acetylcholine receptors play in Parkinsonian symptoms.
4. We have several ongoing projects in collaboration with the Gardner laboratory to understand how nicotinic receptors are regulated in response to chronic nicotine exposure and in various disease states.

Funding:
Subha Thiagarajan, M.D.
Phone: (978) 665-5860
E-mail: sthiagaraj@aol.com

UMass Program/Service Affiliations: University of Massachusetts Medical School; Health Alliance

Research Interest:
First episode schizophrenia; early diagnosis and treatment

Research Summary:
CIDAR Project with Robert McCarley, MD, Larry Seidman, MD, Harvard Medical School, Jay Patel, MD, UMass Medical School.
   Prodromal, first episode and chronic schizophrenia, changes in fMRI, genetics, neuropsychosocial testing, hormonal and autopsy findings
Chad Tillbrook, Ph.D.
Phone: (508) 368-3441
E-mail: Chad.Tillbrook@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations:
Law and Psychiatry; Worcester State Hospital

Research Interests:
1. Criminal and civil forensic assessment, service delivery, and policy
2. Development of forensic assessment instruments
3. Malingering and violence risk assessment
4. Professionals’ fear of litigation and ethical complaints

Research Summary:
My research interests are in criminal and civil forensic mental health assessment and have included investigations of competence to stand trial, malingering, and violence risk assessment. Recently, my objectives are (1) to understand better mentally retarded defendants who enter the criminal justice system and the impact their limitations have on their ability to proceed to trial, (2) to develop a competence to proceed instrument, and related measures, sensitive to the assessment of individuals with mental retardation, and (3) to use these findings to develop specialized guidelines and training modules for authorities in the criminal justice system.

Representative Publications:

Ongoing Projects:
1. Development of a CST (competence to stand trial) Measure for those Individuals with Mental Retardation. Creating a competence to stand trial measure with assistance and resources from E.K. Shriver Center, Massachusetts’ Department of Mental Retardation, and Vanderbilt University School of Medicine. Scales assessing understanding, reasoning, and decision-making are being developed, as well as acquiescence, suggestibility, malingering cognitive impairment, and developmental immaturity.

2. Approaches to the Assessment of Cognitive Dissimulation. Creating a clinical typology capturing those individuals who dissimulate cognitive impairments (e.g., malingering and defensiveness) in an effort to develop recommended approaches from “best clinical practice” and “need for research” perspectives.
3. Education and Restoration in CST Evaluations. Empirically assessing the significance of learning and education in the midst of competence to stand trial evaluations, and examining the legal and ethical concerns of professionals that do so.
Joseph Tonkonogy, M.D.
Phone: (508) 616-9013
E-mail: jtonkonogy@charter.net

Academic Role: Clinical Professor of Psychiatry

UMass Program/Service Affiliations: University of Massachusetts Medical School

Research Interest:
Neuropsychiatric aspects of psychiatric illnesses

Research Summary:
1. Clinical aspects of cognitive disturbances
2. Anticonvulsants in the treatment of aggression

Representative Publications:

Ongoing Projects:
Book publication by Springer. Title “Localization in Neuropsychology and Clinical Neuroscience.”
Rosalie A. Torres Stone, Ph.D.

Phone: (508) 856-8692
E-mail: Rosalie.torresstone@umassmed.edu

Academic Role: Assistant Professor of Psychiatry
Multicultural Competency Workgroup Director for the Center for Mental Health Services Research

UMass Program/Service Affiliations: University of Massachusetts Medical School

Research Interests:

Co-occurring Psychiatric Disorders and Employment;
Co-occurring Physical and Mental health and Wellness;
Social Inequality;
Race and Ethnicity;
Acculturation and Mental Health;
Cultural Sensitivity and Health Services Research

Research Summary:

My empirical work on substance use and health disparities extends existing conceptual frameworks by including culturally-specific factors in examining mental health-related and substance abuse outcomes for Latinos/as. My long-term goal is to identify the factors that influence the progression to optimal employment for transition age Latino youth and adults with severe psychiatric and substance use co-morbidity.

Representative Publications:

Berdahl, Terceira, Jim Kirby, Rosalie A. Torres Stone. Ethnicity based gaps in healthcare access and utilization: An analysis of Latino subgroups. Medical Care; Forthcoming


Crocket, Lisa J., Maria I. Iturbide, Rosalie A. Torres Stone, Meredith McGinley, Gustavo Carlo and Marcela Raffaelli. (2007). Acculturative Stress, Social Support, and Coping: Relations to Psychological Adjustment among Mexican American College Students. Cultural Diversity & Ethnic Minority Psychology; Forthcoming


Funding Information:

“Substance Abuse and Mental Health Among Rural Latino Adolescents.” Principal Investigator: Dan Hoyt and Co-Investigator: Rosalie Torres Stone. Funded by the Tobacco Settlement Funds for Biomedical Research ($58,000).
Peter F. Toscano, Jr., Ph.D.
Phone: (508) 767-7460
E-mail: ptoscano@assumption.edu

**Academic Role:** Assistant Professor

**UMass Program/Service Affiliations:** UMass Memorial Medical Center, Outpatient Psychiatry

**Research Interests:**
- Child abuse and neglect
- Adoption
- Depression and anxiety in children and adolescents

**Ongoing Projects:**
- Relationship between external and internal symptoms in children’s presentations
Tuong Q. Tran, M.D.
Phone: (617) 626-9060
E-mail: david.tran@dmh.state.ma.us

**Academic Role:** Lecturer

**UMass Program/Service Affiliations:** Quincy Mental Health Center

**Research Interests:**
Pharmacological treatments of patients with alcohol dependence disorder.

**Research Summary:**
Retroactive chart review of patients treated at a community in-patient mental health center regarding the practice of offering Antabuse, Revia, Campral, or Topomax to patients diagnosed with alcohol dependence disorder.
Gina Vincent, Ph.D.
Phone: (508) 856-8727
E-mail: Gina.Vincent@umassmed.edu

Academic Role: Assistant Professor

UMass Program/Service Affiliations:
University of Massachusetts Medical School, Center for Mental Health Services Research

Research Interests:
1. The development and assessment of psychopathy and mental disorders in child and adolescent offenders
2. Risk assessment for violence, sexual violence, and serious offending among adult and youth offender, civil psychiatric, and forensic populations
3. Application of Item Response Theory methods to psychological assessments

Research Summary:
I have specialized interests in both juvenile justice and adult offender populations, particularly with respect to policy research, violence risk assessment, psychopathic personality disorder, and test construction and item response theory. My main goals pertain to the fair accurate assessment of psychopathy in youth and female offenders, the early identification and prevention of psychopathic personality disorder, and the assessment and treatment of sex offenders

Representative Publications:


Ongoing Projects:
2. Psychopathy and Treatment Outcomes in Forensic Psychiatric Patients: (Co-PI w/Ira Packer, Ph.D.), Commonwealth Medicine. A Pilot Study – A short-term longitudinal study to determine how the three factors of the psychopathic personality relate to areas of institutional maladjustment and decreases in risk for violence among forensic psychiatric patients in Massachusetts.

3. Risk/Needs Assessments for Delinquency: Validation and Implementation Study: (Principal Investigator), John D. & Catherine T. MacArthur Foundation. A study to validate and evaluate the use of risk/needs assessment tools to be used for disposition, placement, and service decisions for adjudicated youths and processing and service decisions for status offenders involved in the juvenile justice systems in three states.
Lee E. Vorderer, M.Ed.
Phone: (781) 642-0100
E-mail: lee.vorderer@umassmed.edu

Academic Role: Instructor

UMass Program/Service Affiliations: Eunice Kennedy Shriver Center

Research Interests:
Public policy
Amy Wachholtz, PhD
Phone: (508) 334-2164
E-mail: amy.wachholtz@umassmemorial.org

Academic Role: Assistant Professor of Psychiatry

UMass Program/Service Affiliations: Psychosomatic Medicine Service, Psychiatry

Research Interests:

Chronic pain, spirituality/religion issues in medical illness/injury, coping with medical illness/injury

Research Summary:

My research explores the interface between psychology and medicine in an attempt to remove the remnants of Cartesian dualism from the health sciences. My research largely focuses on management of health issues through psycho-social interventions. One major line of research is exploring how patients use their religious/spiritual faith to cope with health issues, such as chronic pain. Another research area is looking at how individuals cope with major injuries, chronic illness, or life limiting illness. While these are my primary lines of research, I am interested in a variety of areas that link to health/medical psychology.

Representative Publications:

Wachholtz, A.B., Binks, M., Suzuki, A., Kolotkin, R., & Eisenson, H. Does pain predict interference with activities of daily living in an obese residential treatment seeking population?


Ongoing Projects:

- Pain and ADLs in obese treatment seeking population
- Sleep and Pain in obese individuals
- Meditation and Migraine headaches intervention
- Comparing secular and spiritual meditation interventions on migraine frequency, severity, and duration in Veterans
- Use of prayer in the US from 2002 to 2007 in coping with chronic illness and pain
Melodie Wenz-Goss, M.Ed., Ph.D.
Phone: (508) 856-5075
E-mail: Melodie.Wenzgoss@umassmed.edu

Academic Role: Research Assistant Professor

UMass Program/Service Affiliations:
Communities of Care, Division of Child and Adolescent Psychiatry

Research Interests:
1. Child and adolescent mental health and adjustment
2. Intervention research and evaluation
3. Child social development
4. Family and school contexts

Research Summary:
Directed a line of research, both cross-sectional and longitudinal, looking at stress, social support and adjustment in early adolescents with and without learning disabilities. This provided a basis for the development and evaluation of an intervention and curriculum to help ease the transition into middle school. Most recently involved in evaluating intervention models for children and youth with emotional/behavioral disorders and their families in community settings using a system of care model, and in preschool and daycare contexts using a mental health consultation model.

Representative Publications:

Ongoing Projects:
1. Central Massachusetts Communities of Care: Director of Evaluation. Central Massachusetts Communities of Care is a System of Care for youth with severe emotional disturbance and their families.
2. Together for Kids Project: Research Consultant: Together for Kids is an intervention utilizing a mental health consultation model for preschoolers with severe behavior problems.
3. KidSteps: Co-PI; NIMH-funded grant to implement and evaluate a primary prevention intervention in preschool to decrease behavioral problems and increase social skills.
Valerie F. Williams, M.S.
Phone: (508) 856-8081
E-mail: ValerieWilliams@umassmed.edu

Academic Role: Research Instructor

UMass Program/Service Affiliations: Center for Mental Health Services Research

Research Interests:
The use of statistical methods in evaluative research
Homelessness and housing
Service system integration
Trauma
Ethical issues in behavioral research

Research Summary:
My research spans the domains of mental health and substance abuse within both the adult and child systems, with specific focus on homelessness and housing, service system integration, and the mental health needs of youth in the juvenile justice system.

Representative Publications:


Ongoing Projects:
Family Options Project--Joanne Nicholson, Ph.D, PI
The goal of this project is to develop and implement research strategies for testing an innovative family wraparound care management model for parents with mental illness and their children. We are assessing the implementation process, given the essential paradigm shift from the provision of services for individual adult clients to families living with mental illness at Employment Options, Inc., and comparing outcomes over a 12-month period for intervention participations with those of a comparison group of families recruited in Northern Worcester County.
The goal of this project is to provide focused and integrated assistance to the Foundation's juvenile justice Models of Change initiative in the four states targeted by this initiative, offering special assistance for improving youths’ access to mental health services. This project also includes a research component, the goal of which is to collect data on behavior management indicators from participating juvenile detention centers pre- and post- MAYS1-2 implementation.

Grant Information:

*Family Options Project--AstraZeneca*

*National Youth Screening Assistance Project--Models for Change Initiative-- The John D. and Catherine T. MacArthur Foundation*
Douglas M. Ziedonis, M.D., M.P.H.
Phone: 508-856-3066
E-mail: ZiedoniD@ummhc.org

Academic Role: Professor and Chairman

UMass Program/Service Affiliations: University of Massachusetts Medical School, Department of Psychiatry

Research Interests:

Co-occurring mental illness and addiction
  - Depression and addiction
  - Schizophrenia and addiction
  - Tobacco dependence and psychiatric disorders

Health Services Research in Addiction Psychiatry
  - Organizational Change Research

Behavioral Therapy Development Research, including motivational enhancement therapy and dual recovery therapy

Alternative and Complementary approaches for Addiction Treatment

Research Summary:

Dr. Ziedonis’ program of research focuses on better understanding and treating co-occurring addiction and mental illness. This area of research is extremely relevant to community psychiatrists and addiction specialists, and yet there remain important gaps in the research literature to help guide clinicians. His research methodologies have included clinical epidemiology, clinical trials, behavioral therapy development, and health services research strategies. His research group has found that mental illness and addiction commonly co-occur and the combination results in worse prognosis, treatment compliance, and outcomes compared to either disorder alone. His early research and clinical work helped him to appreciate the complexity of this broad category of patients (originally labeled “dual diagnosis” by the field), and to identify and study important prognostic factors including the specific combination of disorders (i.e. schizophrenia and cocaine addiction), motivational level for change, severity of cravings, and treatment setting. His research work is done in several clinical settings, including mental health, addiction, emergency room, medical / cancer programs, and community-based programs. One important area of Dr. Ziedonis’ psychosocial research has been to evaluate the prognostic factor of motivation and co-morbid mental illness in effecting treatment outcomes.

A major focus of his research work has been to develop and evaluate new innovative psychosocial and pharmacological treatment approaches for specific subtypes of co-occurring disorders. His work has led to new research efforts using his Dual Recovery therapy model in other treatment settings and populations. In addition, these psychosocial treatments have been integrated into his federally funded research includes studies of organizational change to develop and test program and system models and interventions, in a hope to also study the adoption of evidence-based practice through psychosocial treatments and organizational change. The research projects have resulted in about twelve clinician-user manuals to be used in training and promoting science to service. He has also been able to facilitate science to service through developing outstanding partnerships with community-based treatment programs, including through the NIDA Clinical Trials Network.

His current NIH funding includes studying the adoption of evidence-based practice into mental health and addiction treatment settings. His current research includes developing and evaluating the integration of behavioral therapies and organizational change interventions. He is analyzing his MET study, evaluating the effectiveness of adapting motivational enhancement therapy for poly-drug addiction, including co-morbid mental illness. His TANS study evaluates the effectiveness of having mental health clinicians learn smoking cessation treatment (two new models) and compares the relative
effectiveness of the two approaches for patients with schizophrenia. Another study is evaluating his organizational change model (Addressing Tobacco Through Organizational Change) in addiction treatment settings. He has recently completed his SAMHSA KDA study that developed and tested two different program models to better address co-occurring disorders in community based treatment settings (Consultant versus Fully Integrated Models).

A major area of his own research expertise has been schizophrenia and tobacco addiction, where he has been a national leader on the topic. His early work in this area found high rates of nicotine use among schizophrenics (>70%), that heavy cigarette smoking is associated with other drug abuse, smoking patients require higher medication doses, and smoking patients have more positive symptoms and fewer negative symptoms than non-smokers. New research initiatives focus on improving access to treatment and treatment outcomes in tobacco dependence. These findings led to new research initiatives for him and junior faculty members. He has been the primary mentor for several faculty who are now national and international leaders on this topic.

**Representative Publications:**


Ongoing Projects:

3. **Massachusetts Department of Mental Health,** Research Center of Excellence for Systemic and Psychosocial Research. Department Chair: Ziedonis / Center Director: Lidz. (UMMS). 1/1/07-6/30/08.
Index

A
acculturation, 127
acute stress disorder, 35
addiction, 1, 27, 35, 45, 49, 50, 51, 68, 76, 78, 79, 88, 89, 90, 98, 121, 122, 138, 140, 141, 142
addiction disorders, 1
ADHD, 4, 23, 39, 45, 46, 65
adolescent(s), 20, 21, 22, 23, 31, 32, 34, 35, 39, 44, 47, 52, 53, 54, 58, 63, 76, 82, 87, 91, 92, 124, 128, 129, 130, 135, 142
adoptive
affective disorders, 88
aggression, 18, 23, 43, 126
aging, 65
agoraphobia, 22
alcohol, 35, 43, 78, 79, 122
Alzheimer’s disease, 111
amphetamine, 88
androgens, 66
anticonvulsants, 126
antidepressants, 88, 92
antisocial behavior, 20, 130
antisocial psychotic, 94
anxiety, 22, 23, 48, 65, 83, 87, 129
apology, 71
arrest, 21
assaultive psychiatric patients, 30
attention, 24, 25, 40, 95
autism, 1, 2, 17, 24, 25, 31, 32, 33, 38, 39, 40, 57, 73, 79, 83, 95, 96

B
behavior, 9, 17, 20, 24, 25, 31, 32, 43, 49, 57, 83
behavioral health, 17, 91, 100
behavioral therapy, 138
bipolar disorder, 1, 2, 23, 38, 39, 40, 41, 68, 69, 77, 103
BK channels, 78
borderline personality, 108
Brudnick Neuropsychiatric Research Institute, 1, 45, 78, 88, 111, 122

cancer, 45, 120
CBT, 36
celiac disease, 47, 48
Center for Comparative NeurolImaging, 65
Center for Mental Health Service Research, 64
Center for Mental Health Services Research, 10, 14, 20, 28, 34, 52, 53, 62, 70, 72, 85, 100, 127, 130, 136
Center for Psychopharmacologic Research and Treatment, 103, 113

c
child(ren), 10, 12, 17, 19, 22, 23, 24, 31, 32, 33, 34, 35, 38, 39, 40, 42, 47, 54, 57, 73, 76, 81, 83, 84, 90, 91, 95, 100, 129, 130, 135, 137
child abuse, 129
Child and Adolescent Psychiatry, 34, 38, 39, 40, 52, 87, 135
Child and Family Forensic Center, 42, 70, 82
civil commitment, 105
Clubhouse, 85
cocaine, 1, 35, 49, 50, 88, 122, 139
coercion, 11, 53, 72
Cognitive behavioral therapy, 36
competence(y), 3, 5, 14, 54, 99, 124
co-occurring disorders, 34, 127, 139, 140
correctional mental health, 4
court, 52, 53, 61
craving, 35, 98, 139
criminal justice, 28, 29, 43, 54
custody, 42, 82
deadness, 95
decision making, 94, 121
depression, 13, 18, 22, 23, 48, 50, 65, 68, 77, 83, 87, 92, 111, 113, 114, 121, 129
developmental disabilities, 24, 31, 57, 60, 73, 83
diabetes, 92, 116
diet, 31, 47, 48
disabilities, 8, 17, 18, 19, 25, 32, 34, 57
divorce, 42
Down syndrome, 18, 31, 32, 95
dual diagnosis, 36, 84, 139
dual recovery therapy, 139
dysthymic disorder, 93
deating disorders, 47, 48
elderly, 121
electroconvulsive therapy, 121
embarrassment, 71
emotion, 65
empathy, 97
employment, 85, 86, 127
epidemiology, 4, 28, 139
epigenetic, 1
epilepsy, 9
ethanol, 45, 46, 66, 79
ethics, 6, 14, 72, 136
ethnicity, 127
evolution, 111
externalizing disorders, 22, 23
face processing, 95
families, 10, 20, 31, 47, 48, 57, 76, 100, 135, 137
fear, 65
fMRI, 65, 66, 123
forensic psychology, 70
free will, 5

G
GABA, 49, 79
genetics, 111
geriatric, 3
guilt, 71

H
health, 2, 4, 8, 10, 13, 16, 17, 18, 20, 28, 31, 32, 34, 36, 50, 52, 54, 62, 85, 104, 117
health disparities, 64, 116, 127
hepatitis C, 94
Hispanic, 49, 50, 51, 128
history, 97
homelessness, 27, 136
housing, 136
human behavior, 111
humiliation, 71
hypothalamic pituitary adrenal axis, 113

I
informed consent, 14, 61, 105
intellectual disabilities, 17, 18, 24, 31, 83, 84, 119
internet, 31, 32, 57
IRB (institutional review board), 72

J
jail diversion, 28
joint attention, 24
justice system, 34, 52, 53, 58, 102, 109, 124
juvenile justice, 34, 52, 70, 91, 130, 131, 136, 137

L
Latino, 127
law, 52, 70
Law and Psychiatry, 4, 5, 28, 52, 53, 70, 72, 102, 104, 109, 124
learning, 5, 24, 25, 31, 32, 44, 57, 73, 83, 119, 125
learning disabilities, 135
lithium, 38

M
major depressive disorder, 115
malingering, 124
Massachusetts Child Psychiatry Access Project, 91
medical education, 6, 27, 97
meditation, 133
memory, 44
mental retardation, 18, 24, 25, 73, 79, 83, 84, 124
methadone, 49, 50
migraine, 133
monoamine transporter trafficking, 88
mood disorders, 17, 65, 77
MRI, 38, 39, 43, 65
multicultural, 36, 64, 127
multiple sclerosis (MS), 13, 14, 15, 92

N
neuroimaging, 38, 39, 43, 65
neuropsychiatry, 9, 61, 126
neuropsychology, 44, 59, 126
nicotine, 34, 45, 46, 65, 122, 140, 141
nicotinic acetylcholine receptors, 45, 46, 122

O
obesity, 47, 118, 133
obsessive-compulsive disorder (OCD), 16, 18
obstetrics/gynecology, 75
opiate, 49, 51

P
pain, 133
panic, 22
parents, 10, 31, 32, 33, 42, 100, 101
parents with mental illness, 10, 100, 136
Parkinson's disease, 66, 122
police, 28, 35, 53, 54, 104
policy, 4, 8, 10, 20, 28, 35, 50, 54, 85, 116, 117, 124, 130, 132
poly-drug addiction, 140
postpartum depression, 13, 75
post-traumatic stress disorder (PTSD), 22, 34, 35, 36, 108
prayer, 133
preschool, 135
prescription drug, 121
primary care, 87
psychology, 16, 30, 31, 35, 36, 43, 47, 52, 68, 69, 70, 71, 102, 133, 140
psychopathy, 52, 102, 130, 131
psychopharmacology, 38, 39, 40, 49, 92, 114
psychosis(es), 1, 103
psychosocial interventions, 133
psychosocial rehabilitation, 85, 112
psychosomatic, 133
psychostimulant, 89
psychotherapy, 81, 107
psychotic depression, 113, 114
psychotic disorder, 38  
Public Sector Psychiatry, 3

race, 127  
reinforcement processes, 73  
religion, 133  
reproductive phases, 77  
reproductive psychiatry, 13

schizophrenia, 1, 2, 7, 11, 14, 38, 39, 40, 51, 59, 103, 104, 113, 123, 139, 140, 141, 142  
separation anxiety disorder, 22  
serious mental disorders, 4  
serotonin, 43  
sexual offending, 34

shame, 71  
Shriver Center, 8, 24, 31, 57, 73, 74, 83, 95, 119, 133  
smoking cessation, 11, 16, 64, 86, 118, 140  
social development, 135  
spirituality, 133  
statistical modeling, 116  
stimulus control, 73  
stress, 22, 34, 65, 135  
student(s), 16, 67, 81, 110  
synaptic plasticity, 78

T

telemedicine, 57  
tobacco, 64, 80, 90, 118, 121, 139, 140, 141, 142  
tolerance, 78  
transition age youth, 21  
trauma, 28, 34, 35, 68, 76, 81, 100, 136, 142

V

Varenicline (Chantix), 51, 66  
veterans, 28, 116, 117, 118, 133, 142  
violence, 34, 35, 36, 42, 43, 54, 72, 99, 102, 104, 124, 130, 131  
visual processes, 95  
volition, 5

W

weight loss, 31, 32  
wellness, 55, 60, 85, 127  
women, 68, 77, 97, 116, 118  
workforce, 10  
wraparound, 91

Y

young adults, 20, 31, 32, 39