



Departmental Annual Report FY 11 PSYCHIATRY

UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE
Roadmap for FY 2012
Annual Report (August 27, 2011)
Department of Psychiatry

A. Brief Executive Summary

This past year has been another successful year for the Department of Psychiatry. This report includes Achievements for FY11 in our education, research and clinical programs as we embark on FY12. This report also identifies our “We Will” goals for FY12.

- We continued our extensive educational programs in FY11, including medical student education; one of the largest and most competitive psychiatry residency programs in the nation; a large cohort of subspecialty fellows in child and adolescent psychiatry, geriatric psychiatry, forensic psychiatry, psychosomatic medicine, and addictions; a psychology internship program; and strong participation in the Graduate School Program in Neuroscience. We are committing to their continuation in FY12.
- Our very successful research programs held their own despite continuing economic challenges. These include our well established centers of excellence in schizophrenia and related disorders: the Maryland Psychiatric Research Center, Division of Services Research and the VA Mental Illness Research Education and Clinical Center (MIRECC). The department’s recent investments in seeding new clinical/translational research areas, including child and adolescent mental illness, mood and anxiety disorders and addiction, has continued to yield fruit in terms of external funding, especially in mood disorders. Between FY05 and FY11 our total research spending grew by 50% or an average of 10% annually. For FY11 our growth was 10.3% and our NIH research awards increased by 20.5%. This growth excludes our highly successful MIRECC at the VA. We are striving for level research funding for FY12 in the face of NIH constraints and various threats to research growth.
- The Department of Psychiatry has substantial clinical and public service programs in Baltimore and Maryland. In FY11 the Department’s budget included \$16.9 million for clinical service contracts, \$12.7 million from UMMC for the Community Psychiatry Program, \$7.0 million for the UMMC Physician Services, and generated \$3.4 million through the practice plan, meeting its FY11 collection budget, including \$1.77 million in FFS revenue, \$896K in grant-mandated FFS revenue, and the remainder in contracts. These figures reflect two important points: our services continue to be in high demand, but due to poor fee-for-service rates, we primarily provide services through full cost service contracts. We expect these strengths and threats to continue in FY12.
- The overall financial performance of the Department during FY11 has been positive, including a final All Funds budget net income of \$460,183, and total PA cash reserves at the end of FY11 of \$4.1 million, compared to \$3.7 million in FY10.
- Philanthropy continues to be challenging for the Department. This year, besides our usual small yield from general sources, we did raise well over \$70,000 in donations related to our 60th Department Anniversary celebration. These donations also included the creation of three new endowment funds.

- **B. FY 2011's accomplishments in the following areas:**

EDUCATION

The Department of Psychiatry has extensive educational programs for a range of students and trainees. These include medical student education; one of the largest and most competitive psychiatry residency programs in the nation with 60 residents, a total of 20 additional trainees in subspecialty fellowships in child and adolescent psychiatry, geriatric psychiatry, forensic psychiatry, psychosomatic medicine, and addictions; a psychology internship program in collaboration with the VA (14 interns); and strong participation in the Graduate School Program in Neuroscience. Some of the most notable accomplishments in each of these areas are described below.

Medical Student Education: The Department of Psychiatry maintained its strong and enduring commitment to medical student education during FY11. A major benchmark of the success of our medical student teaching is the percentage of students who elect psychiatry as a career post graduate medical education. Among the graduating SOM Class of 2011, only one elected a psychiatry career. This was an unusual low compared to previous years, and we hope that it is an exception. In light of this we have reviewed our clerkship and initiated changes to improve student experience. The Department continues to offer the Combined Accelerated Program in Psychiatry (CAPP) elective for medical students to have additional experience in psychiatric aspects of illness. This remains a highly popular elective among medical students, many of whom go on to careers in other specialties, but who have an enduring awareness of the psychological needs of patients. Twelve CAPP students are selected each year in a competitive process and remain in the program throughout their undergraduate training. In addition to the usual participation of department faculty in medical student education throughout the four undergraduate years, department faculty continued their significant duties in the Dean's Office, including David Mallott, M.D., Associate Dean for Medical Education and John Talbott, M.D., Project Director of the Professionalism Project.

Graduate Student Education: The Department's principal participation in graduate student education is through the Program in Neuroscience in conjunction with the Neuroscience Program at the Maryland Psychiatric Research Center. Graduate student education at MPRC consists of postdoctoral fellows who have secured individual fellowships and the MPRC Research in Schizophrenia Postdoctoral Training Program. This two year fellowship attracts students from psychiatry, psychology, laboratory neuroscience, and pharmacy who are interested in all areas of schizophrenia research from health services research and clinical trials, to laboratory studies using animals and postmortem human tissue.

Resident Education: As noted above, we have one of the largest and competitive psychiatry residency programs in the nation in partnership with the University of Maryland Medical Center, Sheppard Pratt Health System, State of Maryland Mental Hygiene

Administration, and the VA. Our program has filled consistently for many years. Our Training Director, Dr. Philip Luber, and our Program have taken a leadership role at the University of Maryland and nationally in the evaluation and monitoring of the five competencies mandated by the ACGME.

RESEARCH

The department has three very successful research programs that together constitute a major center of clinical/translational research excellence in schizophrenia and related disorders. These include the Maryland Psychiatric Research Center (MPRC) (Dr. William Carpenter, Director), Division of Services Research (DSR) (Dr. Lisa Dixon, Director) and the VA Mental Illness Research Education and Clinical Center (MIRECC) (Dr. Lisa Dixon, Acting Director). Combined these programs constitute the best in clinical/translational research, include studies ranging from basic neurobiology to health services and public health research, are strongly interdisciplinary and collaborative, and are nationally and internationally recognized as on the cutting edge. The department has invested in recent years in seeding clinical/translational research in three additional areas: child and adolescent mental illness, mood and anxiety disorders and addiction, each now with success in attracting external funding. The department, in conjunction with the UMMC, the State of Maryland Mental Hygiene Administration, and VA, has access to large clinical programs and populations that are needed for successful clinical/translational research.

During FY11 the success of these research programs has continued. Between FY05 and FY11 our total research spending grew by 50%, or an average of 10% annually. For FY11 our growth was 10.3%, and our NIH research spending increased by 20.5%. This growth excludes our highly successful MIRECC at the VA. We are striving for level research funding for FY12 in the face of NIH constraints and various threats to research growth. 72% of Assistant Professors have more than 40% salary covered by grants and contracts, 57% of Associate Professors have at least 60% of their salary supported by grants and contracts, and 42% of our Professors have at least 80% of their salaries covered by grants and contracts (63% average support). Related to this research enterprise our department faculty serve as editors-in chief of major journals in our field, including *Schizophrenia Bulletin* (Dr. William Carpenter), *Psychiatric Services* (Dr. Howard Goldman), and *Clinical Psychology Review* and *Behavior Modification* (Dr. Alan Bellack). Notably the impact factor of *Schizophrenia Bulletin*, since coming under the editorship of Dr. Carpenter and its relocation from NIMH to the department has risen from 2.87 to 8.27. It is now ranked 5th among 126 psychiatric journals.

Among the **newly funded research grants** this year:

Buchanan, Robert: A randomized, double-blind, parallel design trial comparing the effects of Eltoprazine with placebo in schizophrenia (PsychoGenics, 2011-1012) \$116,011

Buchanan, Robert: Clinical and biomarker assessment of efficacy of cognitive remediation in patients with schizophrenia stabilized on lurasidone (Research Foundation for Mental Health, 2010-2012) \$106,188.

Schwarcz, Robert: Validation of KAT II as a therapeutic target for schizophrenia (Bristol-Myers Squibb, 2010-2012) \$230,769
Gould, Todd: Mood Disorder Susceptibility Gene CACNA1C: Human Postmortem Brain Studies (NARSAD, 2011-1013) \$60,000.
Hahn, Britta: Default Network Dysfunction Underlying Visuospatial Attention Deficits in Schizophrenia (NARSAD, 2011-2013) \$60,000.
Regenold, William: Nonconvulsive Electrotherapy For Major Depression: a Proof-of-Principle Trial (NARSAD, 2010-1012) \$99,980
Shepard, Paul: Deep brain stimulation of the lateral habenula in animal models of depression (NARSAD, 2010-2012) \$100,000
Warren, Kimberly: Effects of Intranasal Oxytocin on Satiety Signaling in People with Schizophrenia (NARSAD, 2011-1013) \$59,930.
Gould, Todd: Gonadal Hormones and Depression: The Role of Mood Disorder Risk Gene CACNA1C (NIMH, 2011-2013) \$412,500.
Gould, Todd: Mechanisms Underlying Suicide Prevention by Lithium (NIMH, 2010-2015) \$1,892,500.
Kelly, Deanna: Adjunctive Minocycline In Clozapine Treated patients For Psychosis And Cognition (NIMH, 2011-2013) \$412,500
Lucksted, Alicia: RCT To Improve Internalized Stigma And Services Engagement Among People With SMI (NIMH, 2011-2013) \$1,046,823
Postolache, Teodor: Seasonality of Mood: A Genome-Wide Association Study in the Old Order Amish (NIMH, 2010-2011) \$124,264
Strauss, Gregory: Motivated Attention and Avolition in Individuals with Schizophrenia (NIMH, 2010-2015) \$719,991
Tonelli, Leonardo: Role of T Cell Mediated Immunity in Emotion and Stress Responsiveness (NIMH, 2011-2013) \$ 412,500
Goldman, Howard: The Effects of Health Parity on High-Cost and Severely-Ill Individuals (Harvard/NIMH, 2010-2011) 12,409.

PUBLICATIONS

During FY11 our faculty authored 126 peer-reviewed publications, 16 chapters and 2 books.

**University of Maryland School of Medicine
Department of Psychiatry
“We Will” Report FY 2011**

List “We Wills” for FY 2011 Objectives	Accomplishments by Year End (Measures) ➤ This Section To Be Completed June 30, 2011
<u>Education</u>	<u>Category - Done, Not Done, Partially Done, In Progress.</u>
<p>Undergraduate Medical Education:</p> <ul style="list-style-type: none"> • Improve medical student ratings of clinical clerkship by at least 2% • Maintain the number of Psychiatry teaching faculty receiving teaching commendations from School of Medicine students for their teaching in the second year P&T course (3 faculty received commendation in FY10). • Maintain the number of medical students interested in careers in psychiatry as measured by participation in the Combined Accelerated Program in Psychiatry (CAPP) and the Klingenstein Program (12 medical students per class participated in CAPP in FY10, and 12 medical students participated in the Klingenstein program) 	<ul style="list-style-type: none"> • Done (Surpassed) - Rating increased by 12% (increased from 3.88 to 4.38 – Ranked #1) • In Progress (Information not yet available.) • Done (Surpassed) - 15 medical students per class participated in CAPP in FY11, and 15 medical students participated in the Klingenstein program
<p>Graduate Education:</p> <ul style="list-style-type: none"> • Improve resident performance on the in-service examination by 2% • Increase pass rate on Boards by our graduates by 2% • Maintain the percentage of Psychiatry Residency Program graduates who pursue careers in academic medicine as evidenced by the percentage who enter academic and research fellowship programs (FY10 – 50%) • Institute a reliable and valid Clinical Skills Verification examination 	<ul style="list-style-type: none"> • Done • Done (100% of 2010 graduates passed Part I) • Done (FY11– 78% of program graduates entered academic programs) • Done (Clinical Skills Verification exam process instituted.)

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<u>Research, Research Support, Identity (from Research Roadmap)</u>	
Category - <u>Done</u>, <u>Not Done</u>, <u>Partially Done</u>, <u>In Progress</u>.	
Foster a Collaborative Research Community: <ul style="list-style-type: none"> Add at least 2 collaborative research projects with faculty who are outside of the Department of Psychiatry 	<ul style="list-style-type: none"> Done (Drs. Gould, June, Tonelli, Postolache – Anatomy, Medicine, Physiology, Epidemiology)
Research: <ul style="list-style-type: none"> Increase level of total and federal research funding by 5% 	Done
Recruitment: <ul style="list-style-type: none"> Initiate search for leader of new PTSD program 	Done – Search initiated, but primary candidate declined to pursue position; search now on hold, pending MPRC transition
Nurture Existing Faculty Funding: <ul style="list-style-type: none"> At least 70% of research faculty in the following categories will achieve target levels of external salary support by the end of FY11 (% refers to NIH caps): 40% for Assistant Professors, 60% for Associate Professors, 80% for Professors 100% of Assistant Professors on the tenure track will have a designated mentor either as part of a research grant or, if currently unfunded, have a designated mentor to foster funding 90% of Assistant Professors in the research track who currently have no external funding will submit at least one application for external funding 	<ul style="list-style-type: none"> Partially Done: including MPRC’s DHMH funding through the SOM as external salary support – 79%; excluding it – 63% Assistant Professors - Done: 77% external support if include MPRC’s DHMH funding as external; 72% if excluded Associate Professors – Partially Done: 74% external support if include MPRC’s DHMH funding as external; 57% if excluded Professors – Partially Done: 86% external support if include MPRC’s DHMH funding as external; 63% if excluded Done – there are designated mentors for Tenure Track Asst. Professors Done - 100% of the Tenure Track Asst. Professors submitted grant applications
Space:	

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List “We Wills” for FY 2011 Objectives	Accomplishments by Year End (Measures) ➤ This Section To Be Completed June 30, 2011
<ul style="list-style-type: none"> • Successfully move the Department’s Substance Abuse programs to a new location • Continue the long-term planning process with UMB/DHMH for upgrade/replacement of aging MPRC facilities • Complete construction of MPRC’s new 3T magnet facility 	<p>In Progress – Location identified, move to occur in first half of FY12</p> <p>In Progress – Facility consultation report completed</p> <p>In Progress – Construction to be completed in first half of FY12</p>
<u>Clinical Practice</u>	
Category - <u>Done, Not Done, Partially Done, In Progress.</u>	
Achieve PA Revenue Cycle Targets	Partially Done (Charge Lag, NCR targets not achieved)
Achieve PA Collection Budget	Done
Achieve Net Income Target (Reserves) of \$200,000	Done
<u>Finance/Philanthropy</u>	
Category - <u>Done, Not Done, Partially Done, In Progress.</u>	
Achieve Adherence of Department All-Funds Budget	Done
Achieve \$100,000 in Philanthropic Development contributions	Done
Complete revised IDC arrangement for MPRC	Done
<u>Institutional Service</u>	
Category - <u>Done, Not Done, Partially Done, In Progress.</u>	
Participation in SOM Committees	
Maintain current levels of faculty participation on SOM Committees: IRB/IACUC (8)	Done
Admissions (2 members and 10 interview participants)	Done
<u>Other</u>	
Category - <u>Done, Not Done, Partially Done, In Progress.</u>	

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“We Will” Report FY 2011**

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Accomplishments by Year End (Measures)
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Education

Category - Done, Not Done, Partially Done, In Progress.

Undergraduate Medical Education:

- Maintain medical student ratings of clinical clerkship (increased by 12% in FY11 – 4.38 rating achieved)
- Maintain the number of Psychiatry teaching faculty receiving teaching commendations from School of Medicine students for their teaching in the second year P&T course (3 faculty received commendation in FY10, FY11 information not yet available).
- Maintain the number of medical students interested in careers in psychiatry as measured by participation in the Combined Accelerated Program in Psychiatry (CAPP) and the Klingenstein Program (15 medical students per class participated in CAPP in FY11, and 15 medical students participated in the Klingenstein program)

Graduate Education:

- Improve resident performance on the in-service examination by 2%
- Maintain pass rate on Boards by our graduates at 95-100%
- Maintain the percentage of Psychiatry Residency Program graduates who pursue careers in academic medicine as evidenced by the percentage who enter academic and research

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fellowship programs (FY11 – 78%) <ul style="list-style-type: none"> • Institute a supervision policy for the residency program that effectively documents residents’ competencies 	
<u>Research, Research Support, Identity (from Research Roadmap)</u>	
Category - <u>Done</u>, <u>Not Done</u>, <u>Partially Done</u>, <u>In Progress</u>.	
Foster a Collaborative Research Community: <ul style="list-style-type: none"> • Add at least 2 collaborative research projects with faculty who are outside of the Department of Psychiatry 	
Research: <ul style="list-style-type: none"> • Increase level of total and federal research funding by 5% 	
Recruitment: <ul style="list-style-type: none"> • Initiate search for new MPRC Director 	
Nurture Existing Faculty Funding: <ul style="list-style-type: none"> • TBD – Goals to be set as part of Dean’s objectives as outlined in Aug 2, 2011 letter • 100% of Assistant Professors on the tenure track will have a designated mentor either as part of a research grant or, if currently unfunded, have a designated mentor to foster funding • 90% of Assistant Professors in the research track who currently have no external funding will submit at least one application for external funding 	
Space: <ul style="list-style-type: none"> • Complete move of the Department’s Substance Abuse programs to a new location • Continue the long-term planning process with UMB/DHMH for upgrade/replacement of aging MPRC facilities 	

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<ul style="list-style-type: none"> Complete construction of MPRC’s new 3T magnet facility 	
<u>Clinical Practice</u>	
	Category - <u>Done, Not Done, Partially Done, In Progress.</u>
Achieve PA Revenue Cycle Targets	
Achieve PA Collection Budget	
Achieve Net Income Target (Reserves) of \$100,000	
<u>Finance/Philanthropy</u>	
	Category - <u>Done, Not Done, Partially Done, In Progress.</u>
Achieve Adherence of Department All-Funds Budget	
Achieve \$75,000 in Philanthropic Development contributions	
Complete revised IDC arrangement for MPRC	
Ensure Breakeven or better financial performance for MPRC	
<u>Institutional Service</u>	
	Category - <u>Done, Not Done, Partially Done, In Progress.</u>
<u>Participation in SOM Committees</u>	
Maintain current levels of faculty participation on SOM Committees: IRB/IACUC (8) Admissions (2 members and 10 interview participants)	
<u>Other</u>	
	Category - <u>Done, Not Done, Partially Done, In Progress.</u>