State of the Department of Psychiatry | FY 2020

September 17, 2020

Jill RachBeisel, MD
Agenda

- Welcome, Thank Yous, & Recognition
- Department Overview
- Faculty Promotions & Appointments
- Equity, Diversity, & Inclusion
- COVID-19 Leaders
- Financial Overview
- Clinical Enterprise
- Education Enterprise
- Research Enterprise
- FY21 Priorities & Goals
Thank you to David Pruitt, MD, for 20 years of service as Division Director of Child & Adolescent Psychiatry!

David Mallott, MD, is retiring after 34 years with the Department & 24 years as Director of Office of Medical Education.

And a BIG Thank You....
Department Overview
FACULTY ACADEMIC PROMOTIONS

Scott Aaronson, MD
Adjunct Professor

Devang Gandhi, MBBS
Clinical Professor

Julie Kreyenhul, PharmD, PhD
Professor

Sharon Hoover, PhD
Professor, Tenured

Todd Gould, MD
Professor, Tenured
DEPARTMENTAL LEADERSHIP
PROMOTIONS
NEW FACULTY APPOINTMENTS

**Midtown**
- Mitra Keshtkarjahromi, MMBS
- Patrick Jung, MD
- Jamie Fields, DO

**Incoming Midtown Faculty:**
- Xiaolin Deng, MD
  - 10/1/20
- Robin Toler, MD
  - 10/5/20

**MPRC**
- Bhim Adhikari, PhD
- Sonia Bansal, PhD

**DART**
- Darlene Robinson, MD

**Incoming DART Faculty:**
- Aditi Ringwala, MD
  - 11/2/20

**Incoming Community Faculty:**
- James Fleming, PhD
  - 10/12/20
DIVERSITY INITIATIVES

Answered the call to strengthen **Equity, Diversity, & Inclusion** in Research, Clinical, & Education Missions

- Established transparency & Culture of Voice
- Disseminated Faculty survey
- Established Diversity Committee
- Created Department-wide FY21 program of antiracism
- Kick off and leadership training
- Revamping recruitment process & major retention efforts
- Plans to build pipelines under way
- Established radical healing through service delivery & training
DIVERSITY COMMITTEE

Subcommittees

Faculty & staff recruitment & retention

Trainee curriculum

Leadership training course

Established metrics
Psychiatry submitted 17 COVID-related grants for a projected amount of $2.4 million.
7 have been awarded & 1 will be resubmitted.

We would like to thank the Herculean efforts of the EAP under Robert White, LCPC!

Thanks to David Flax, MBA, MHA, and Information Systems for your tireless work to keep us functioning during COVID!

Dr. Gloria Reeves formed the Research Recovery Team to identify challenges caused by research restrictions & address problems as we transition back to research activity.

Chris Marano, MD, & David Maina, RN
The inpatient unit partnered with Infectious Control & Department of Medicine to establish infrastructures to co-manage patients positive & high risk for COVID.

Eric Weintraub, MD, did an outstanding job in managing the ED & admissions process.

Marissa Flaherty, MD, developed 2 online remote electives for medical students:
• Substance Abuse Treatment in the Clinical Setting
• Psychiatry for the Non-Psychiatrist (or New Psychiatrist)

We would like to thank the Herculean efforts of the EAP under Robert White, LCPC!

Medical Director Aaron Greenblatt, MD, has worked tirelessly during the pandemic to create new workflows that have improved the safety of clinic staff & patients at the University’s Opioid Treatment Program.

Dr. DiRocco, our Executive Chief Resident, developed the COVID peer-to-peer support line for all residents & fellows in the hospital.
Financial Overview
FINANCIAL OVERVIEW

• Formulated a financial recovery plan – 2 years

• FY20 Net Income Margin is 3.5%, which is better than budget despite drop due to COVID

• Total Revenue decreased from prior year by 7% but is 1% better than budget

• FY21 budget is with positive margin

• FY21 revenue expected to grow by 13%, 1% > FY19

<table>
<thead>
<tr>
<th>All Funds Financials</th>
<th>Total Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY20 Act*</td>
<td>FY20 Bud</td>
</tr>
<tr>
<td>Patient Revenue Net of Assessments</td>
<td>2,414,844</td>
</tr>
<tr>
<td>Total Other Department Revenue</td>
<td>49,180,127</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td><strong>51,594,971</strong></td>
</tr>
<tr>
<td>Faculty Salary/Fringe</td>
<td>16,662,076</td>
</tr>
<tr>
<td>Non Faculty Salary/Fringe</td>
<td>11,941,828</td>
</tr>
<tr>
<td>Other Operating Expenses</td>
<td>22,911,495</td>
</tr>
<tr>
<td><strong>Total Operating Expenses</strong></td>
<td><strong>51,515,399</strong></td>
</tr>
<tr>
<td>Net Operating Income</td>
<td>79,572</td>
</tr>
<tr>
<td>Net Operating Margin</td>
<td>3.3%</td>
</tr>
</tbody>
</table>

* FY20 numbers are preliminary and subject to change

![Total Revenue Chart](chart.png)

*FY20 numbers are preliminary and subject to change
- Positive Margin
- Total Revenue: $52.6 million
- Total Revenue decreased 6.8% from FY19
- Research Revenue decreased 7.4% from FY19
- Clinical Revenue increased .7% from FY19

* FY20 numbers are preliminary and subject to change
Clinical Enterprise
Total Distinct Clinical Programs = > 30 Distinct Centers & Programs
Clinical Faculty Hires - 10 in FY20

FY20 Inpatient Volumes - (5 units) 1,889 admissions across DTC & MTC
 Ø Despite COVID - volumes were 70% of budget

FY20 On-Site Ambulatory Volumes - 109,551 Services provided
 Ø on-site MH services - 33,884
 Ø on-site SUD services - 65,073
 Ø Gen CL services - 2,681
 Ø Addiction CL - 2,972
 Ø ED SBIRT - 4,941

FY20 - SMHP (35 schools) 14,000 services
Telemental - 14,000 - Visits to Maryland
EAP Services - 1,000 ind./ 2000+ services

* FY20 numbers are preliminary and subject to change
Strengths

★ National experts in Addiction, SMH, SMI, Child & Adolescent/family care
★ State relations stronger than ever
★ Telemental Health Program is growing
  ★ Established mobile unit
  ★ MACS TeleECHO Clinics - March 2020
  ★ BHIPP TeleECHO Clinics - April 2020
  ★ Maryland Addiction Consultation Service (MACS) for MOMS-
    $957,678 for FY21
  ★ MACS expansion for $9.8 million
  ★ BHA Telepsychiatry (Infrastructure/Training) - $627,778 for FY21
  ★ Maryland Behavioral Health Integration in Pediatric (BHIPP)-
    $5.1 million for 3 years
Strengths

- Primary Care in Addictions for UPL- Health And Recovery Program (HARP)
- Center of Excellence in Problem Gambling
- National Center for School Mental Health Program (SMHP)
- System BH Leader has been established
- EAP Program highly responsive during COVID
- Consultation Liaison hired psychologist- Dr. Madeline Marks
- Continuation of Child & Adolescent inpatient unit service program development in preparation for new unit (Spring 2021)
- Rapid Access to Care
  - Revised intake appointments for Community Carter Clinics
  - Same- & next-day appointments coming from ED & inpatient units
- Outpatient Addiction Treatment Services (OATS) program- same-day access to services
Opportunities

☆ Collaborative Care Model
☆ Continue to grow: Telemedicine in rural MD- Addictions, Adult, C&A
☆ Implement STC-ICI
☆ Enhance EAP system-wide
☆ Expand trauma, addictions, and affective disorder & women's mental health programs
☆ Regional influence with ECHO model
### Over the past 12 months...

<table>
<thead>
<tr>
<th>Area</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hired 2 new Clinical Division Directors</td>
<td>Gero &amp; C&amp;A</td>
</tr>
<tr>
<td>Stabilizing &amp; expanding Clinical programs at MTC</td>
<td>Revamped faculty model at MTC to enhance retention</td>
</tr>
<tr>
<td></td>
<td>Moved &amp; opened the ADH - &amp; expanding CL services</td>
</tr>
<tr>
<td></td>
<td>Hired 5 new clinical faculty - starting between 7/1-10/1</td>
</tr>
<tr>
<td>Improved Faculty evaluation &amp; recruitment process</td>
<td>Established new 360 Evaluation of all faculty</td>
</tr>
<tr>
<td></td>
<td>Targeting faculty hires that have an academic focus &amp; goals</td>
</tr>
<tr>
<td></td>
<td>Launching faculty mentoring program</td>
</tr>
<tr>
<td>Enhanced Clinical and Research integration</td>
<td>Promoting partnerships, eg- Addictions 1001 program, C&amp;A</td>
</tr>
<tr>
<td></td>
<td>New clinical programs w/ research components, eg-Esketamine Clinic</td>
</tr>
<tr>
<td>Adapted to Pandemic response</td>
<td>Established the System Level BH Leadership Response Committee</td>
</tr>
<tr>
<td></td>
<td>Implemented program-wide expansion of Telemental Health</td>
</tr>
<tr>
<td></td>
<td>1 of 6 Departments in the black; in FY21, Department remained within a neutral budget (1 of 3 Departments)</td>
</tr>
</tbody>
</table>
Educational Enterprise
Psychiatry has the second/third largest Adult Training Program in the country with a national reputation & is considered to be in the top 5 programs.

**Total Trainees- 93 for FY20 & 21**

- 68 Adult residents across a 4-year program
- 14 Child and Adolescent Fellows across a 2-year program
- 3 Forensic Psychiatry Fellows annually (one is a C&A candidate)
- 2-3 Psychiatry Addiction Fellows annually
- 2-3 Medicine Addiction Fellows annually
- 1-2 Consultation-Liaison Fellows annually
- 5 Psychology Interns annually

**Funding Sources-** State of Maryland, Sheppard Pratt, VA, & UMMC

**Organizational Partners:**

- UMMC- St Joes
- Spring Grove Hospital
- Springfield Hospital
- Mercy Hospital
- VA Medical Center
- Sheppard Pratt
- State Courts and Perkins Hospital
- Community – BCRI, HCH, etc.
Strengths

★ National competitor- filled match 100% annually
★ 100% pass rate on board exams since 2011
★ CAPP Program/top-rated SOM clerkship
★ Physician Scientist Training Program
  ★ Todd Gould, MD, appointed as Research Director
★ Nationally involved trainees- numerous pubs., presentations & external awards
★ Sarah Clark, PhD, now directs the psychiatry residency neuroscience training & academic project programs
★ Very involved Training group in antiracism movement
Opportunities

- Establish geriatric neurocognitive fellowship
- Enhance support for the PSTP program to attract young investigators
- Resident presence at MTC
- Established the Psychiatric NP Fellowship Program under Stephanie Knight and Melissa McBride
- Antiracism Curriculum redesign
<table>
<thead>
<tr>
<th>Over the past 12 months...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renegotiated a new training contract with Sheppard Pratt</td>
</tr>
<tr>
<td>Renegotiated a new State Contract</td>
</tr>
<tr>
<td>Committed Departmental funding of $50,000 per year for the PSTP program</td>
</tr>
<tr>
<td>In the process of exploring a Geriatric Psychiatry Fellowship with Dr. Chris Marano</td>
</tr>
<tr>
<td>In the process of revamping all curriculum into an antiracism perspective</td>
</tr>
<tr>
<td>Enrolled 5 recent graduates of NP to Fellowship</td>
</tr>
</tbody>
</table>
Research
Enterprise
The Department of Psychiatry is able to integrate our basic science work with our T1 translational research and will be in a position to take advantage of new discoveries/developments in genetics and molecular biology.

92% of PIs - Human subjects research & 8% - Basic Science research

FY 20 Total Grants and Contracts: 140 funded projects for $43,611,461

<table>
<thead>
<tr>
<th>Division</th>
<th>Awards</th>
<th>PI's</th>
<th>Total $</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPRC</td>
<td>16</td>
<td>14</td>
<td>13,589,829</td>
</tr>
<tr>
<td>Child</td>
<td>15</td>
<td>7</td>
<td>12,854,652</td>
</tr>
<tr>
<td>DART</td>
<td>6</td>
<td>4</td>
<td>6,370,501</td>
</tr>
<tr>
<td>DPSR</td>
<td>13</td>
<td>6</td>
<td>6,341,731</td>
</tr>
<tr>
<td>Education</td>
<td>1</td>
<td>1</td>
<td>2,643,002</td>
</tr>
<tr>
<td>Adult</td>
<td>3</td>
<td>3</td>
<td>1,566,192</td>
</tr>
<tr>
<td>CL</td>
<td>1</td>
<td>1</td>
<td>140,000</td>
</tr>
<tr>
<td>Community</td>
<td>1</td>
<td></td>
<td>105,554</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>43,611,461</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Federal: 21,459,710
Non-Federal: 9,904,367
Service Contracts: 12,247,384

*Telemental Health grants total = $15,472,958

*FY20 numbers are preliminary and subject to change
1 book

186 journal articles

6 book chapters

ACADEMIC PRODUCTIVITY
Strengths

★ Three highly successful research Divisions PLUS clinical divisions
★ 20th Blue Ridge Report
★ 2nd highest funded Department
★ Translational platform: Conte Center, R37 with Dr. Deanna Kelly
★ Wide range of collaborations
★ T-32 funded, PSTP
★ Several new Junior faculty investigators- e.g., Zanos / Roche
★ Novel ideas among translational labs
  ★ Pig lab- Robbie Schwarcz, PhD
  ★ Gut/brain connection- Deanna Kelly, PharmD
  ★ Artificial Intelligence- Drs. Gloria Vines, Melanie Bennett, Deanna Kelly
★ ECHO- 3 programs- Clozapine, Suboxone, BHIPP
★ Continued discovery/development of novel psychiatric drugs with Dr. Todd Gould
Division of Psychiatric Services Research (DPSR) supports applied clinical research, evaluation, training, & dissemination to improve the quality & outcomes of care for persons with mental health & substance use disorders

Three international presentations
- Alejandro Ortiz-Velez presented on hospital-based peer-support intervention evaluation in Puerto Rico
- Alicia Lucksted presented on change processes in navigating internalized stigma in Singapore
- Laurel Kiser presented on complex trauma in families and strengthening family coping resources in Germany

Collaborations across Divisions, including Community, Addictions, MPRC, C&A, and more

Research Mentoring- Mentors on 4 funded VA Career Development Awards

VISN 5 MIRECC: now co-sponsoring National Mental Health Recovery Webinar series
- Updating national training in social skills to include modules addressing suicide prevention
- Secured Career Development funding for 4th early career investigator (total funding ~$3.4 million)
Strengths

★ Drs. Gould and Sarah Clark were awarded an R21 by the NIAID to assess the properties of a metabolite of ketamine for $424,875 for “Mechanisms of sustained anti-neuroinflammatory actions of (2R, 6R)-hydroxynorketamine (HNK).”

★ Dr. Gould was also awarded an additional R01 to uncover the therapeutic efficacy of ketamine metabolites for Depression Treatment.
DEANNA KELLY, PHARMD, BCPP
RECIPIENT OF THE
R37 MERIT AWARD

- Method to Extend Research in Time (MERIT) award by the NIMH
- Conversion of R01 to R37, rare achievement
- “A Randomized Controlled Trial of a Telementoring Program, Project ECHO, to Increase Clozapine Prescribing”
- Measure change in clozapine prescribing outcomes
- Test whether prescriber self-reported competence mediates change in prescribing behavior
- Prescribing outcome in underserved African American patients will be examined

ROBERT SCHWARCZ, MD
P50 FOR RENEWAL OF CONTE CENTER

- $14.1 million
- Research kynurenic acid and cognitive abilities in schizophrenia
- Examine the kynurenine pathway
- Determine how it contributes to the clinical difficulties in schizophrenia patients
James Gold, PhD: $2.9 million for NIMH grant, “1/5 CAPER: Computerized Assessment of ProdromE Risk” to improve accessibility & broaden impact of high-risk screening by testing brief computerized measures. He was also awarded $2.7 million for an R01 to generate mathematically precise variables that can bridge the gap between pathophysiology & psychopathology.

Shuo Chen, PhD: awarded $2.3 million by the NIH to identify how multiple genetic variants interactively influence the nicotine addiction through impacting brain circuitries.

Robert Buchanan, MD: awarded $1.7 million to address the unique developmental needs of adolescents & young adults with emerging psychotic symptoms with the priority of improving functioning & optimizing recovery & resilience. Additionally awarded $1.9 million from the NIH for “Neuromodulation of Social Cognitive Circuitry in People with Schizophrenia Spectrum Disorders.”
Opportunities

★ ID young talent & grow- support young investigators, establishing a pipeline (PSTP)
★ Connect with UMCP on AI to use technology in research for clinical early identification & treatment of MI
★ Expand our translational research enterprise onto the Downtown Campus- into the developmental trauma, affective disorders, & addictive disorders programs
Over the past 12 months...

1. Began meeting regularly with everything Research

2. Strategized to focus on Jr. faculty with high potential: Panos Zanos (basic researcher)

3. Established the Research Steering Committee

4. Created the Vice Chair of Research - Gloria Reeves, MD

5. Fostering partnerships between clinical & research initiatives

6. COVID - opportunity to expand: submitted 17 COVID-related grant proposals; 7 funded, 1 resubmitted
Mimi Belcher, PhD  
"Understanding the impact of COVID-19 on methadone treatment retention and adherence in an underserved, minority population with OUD" for $67,303 by UMCP.

Melanie Bennett, PhD  
"Impact of the COVID-19 Pandemic on Drinking, Mood, and PTSD Symptoms in a Sample of African American Heavy Drinkers" for $152,703 by NIH.

Richard Goldberg, PhD  
"Rehabilitation Research and Training Center (RRTC)" by the University of Chicago for $54,925.

Gloria Reeves, MD  
"AI Caregiver" by MPowering for $90,552.

Nancy Lever, PhD  
"Telehealth for School Mental Health and Center for Infant Study" for $5,000 by Baltimore's Promise, and "PGSMHI Telehealth Expansion" for $48,083 by Maryland Community Health Resource Commission.

Seth Himelhoch, MD  
"Optimizing Smoking Cessation interventions for PLWH in Nairobi, Kenya" for $99,999 by NIH.
AWARDS

Faculty & staff were awarded more than 28 awards this year.

Residents were awarded a high number of awards, including 7 national and 5 local honors.
AWARDS

William Carpenter, MD: Brain and Behavior Research Foundation, Pardes Humanitarian Prize in Mental Health.

Polymnia Georgiou, PhD: 2020 Betty Huse PhD Prize for “Targeting of Estrogen Receptors for the Treatment of Adolescent Depression."

Robert Schwarcz, MD: Fellow of the American Association for the Advancement of Science (AAAS); only 8 other awardees at SOM.

James Gold, PhD: 2019 ISI Highly Cited Researcher.
AWARDS

Eric Weintraub, MD:
The National Organization of State Offices of Rural Health Community Star for his work in telepsychiatry and buprenorphine expansion for Rural Health Day on November 21, 2019.

Todd Gould, MD:
• Seminar series recognition
• Faculty excellence for Post-Doc Mentorship for the University of Maryland School of Medicine Graduate Program in Life Sciences (GPILs) Faculty Excellence in Postdoctoral Mentorship Award
PSYCHIATRY RESEARCH STRATEGIC PLAN

Departmental Goals:

• To increase extramural funding and national/international reputation through the establishment of a new DTC center of research, similar to our MPRC Model

• To integrate our large clinical programs with major research initiatives under appropriate leadership to grow the program
Faculty & Staff,

Moving forward to take us to the next level:

What are the Department's greatest opportunities for growth and development?
Q & As

Thank you, Department of Psychiatry!