

**The Faculty of Medicine of Harvard University
Curriculum Vitae**

Date Prepared: December 31, 2024
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Education:

2005 – 2009	B.S. with Honors <i>Summa cum laude</i> <i>Student Marshal</i>	Biomedical Engineering Thesis Advisors: Peter J. Butler and Henry J. Donahue	The Pennsylvania State University
2009 – 2018	M.D. with Honors in Service	Medicine	Weill Cornell Medical College
2011 – 2015	Ph.D.	Biophysics and Neuroscience Thesis Advisor: James Hudspeth	The Rockefeller University

Postdoctoral Training:

05/2015 – 09/2016	Postdoctoral Fellow	Howard Hughes Medical Institute and Laboratory of Sensory Neuroscience, James Hudspeth	The Rockefeller University
06/2018 – 06/2019	Intern	Department of Medicine	Massachusetts General Hospital
06/2018 – 06/2022	Resident	Department of Psychiatry	Massachusetts General Hospital and McLean Hospital

Faculty Appointments:

2022 –	Instructor	Psychiatry	Harvard Medical School
2024 –	Adjunct Faculty	MGH Institute of Health Professions	Massachusetts General Hospital

Appointments at Hospitals/Affiliated Institutions:

2022 –	Psychiatrist	Psychiatry	Massachusetts General Hospital
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Other Professional Positions:

2014 –	Co-Founder, Partner, and Curator of Clinical Imaging (5 hours/month)	Neurodome	
2016	Grass Fellow	Grass Foundation	The Marine Biological Laboratory

Major Administrative Leadership Positions:

Local

2009 – 2011	Board Member and Insurance Chair Weill Cornell Community Clinic	Weill Cornell Medical College
2011 – 2013	Executive Director Weill Cornell Community Clinic	Weill Cornell Medical College
2021 – 2022	Chief Resident Outpatient Psychiatry Division	Massachusetts General Hospital
2022 –	Associate Director, Psychiatric Studies Translational Research Center	Massachusetts General Hospital
2022 –	Associate Program Director MGH/McLean Adult Psychiatry Residency Program	Massachusetts General Hospital
2022 –	Director MGH/McLean Physician Scientist Training Program	Massachusetts General Hospital
2023 –	Assistant Medical Director Center for OCD and Related Disorders	Massachusetts General Hospital

Committee Service:

Local

2018 – 2020	Curriculum Committee, Department of Psychiatry	Massachusetts General Hospital and McLean Hospital
2024 –	Education Task Force, Mass General Brigham Psychiatry Academic Medical Centers	Mass General Brigham

Professional Societies:

2010 –	American Medical Association
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2011 –	Society for Neuroscience	
2012 –	Biophysical Society	
2016 –	American Psychiatric Association	
2020-2022		Leadership Fellow
2018 –	Alpha Omega Alpha Honor Society	

Honors and Prizes:

2007, 2008	Evan Pugh Scholar	The Pennsylvania State University	Placement in the upper 0.5% of the Junior and Senior classes
2009	John W. White Graduate Fellowship	The Pennsylvania State University	Academic excellence
2013	Marcus M. Reidenberg Award in Community Service	Weill Cornell Medical College	Achievement by leading an organization for community service
2018	The Richard N. Kohl Prize for Excellence in Psychiatry	Weill Cornell Medical College	Highest achievement in Psychiatry during medical school
2018	The Leonard P. Tow Humanism in Medicine Award	Weill Cornell Medical College	Awarded to one medical student for humanism in medicine. Co-awarded by the Arnold P. Gold Foundation.
2018	The John Metcalf Polk Prize	Weill Cornell Medical College	Highest academic achievement in medical school
2020	APA Leadership Fellowship	American Psychiatric Association	Awarded to psychiatry residents to develop national leaders in psychiatry
2020	Outstanding Resident Award (ORAP)	National Institute of Mental Health (NIMH)	Recognizes psychiatry residents with outstanding academic and research potential
2022	David Dybdal Award	MGH/McLean	Awarded to the resident who captures the spirit of the residency program

Report of Funded and Unfunded Projects

Past

- 2013 – 2017 Investigating the hair-bundle state space in an exploration of inner-ear tuning
National Institute on Deafness and Other Communication Disorders (NIDCD)
F30 NRSA Fellowship
Grant Number: F30DC013468
Role: Principal Investigator
Description: Examination of the dynamical properties of hair bundle mechanics using micromechanics and dynamical-systems modeling.
- 2021 – 2022 Genomics of Computationally Defined Phenotypes for Repetitive and Ritualistic Behaviors
Stanley Center for Psychiatric Research, Broad Institute
Pamela Sklar Psychiatric Genetics and Neuroscience Fellowship
Role: Principal Investigator
Description: Computational, genomic, neuroimaging, and behavioral study of ritualized behaviors and response to both psychopharmacology and psychotherapy in subjects with obsessive-compulsive disorder
- 2022 – 2023 Study to Assess the Efficacy and Safety of NBI-1065845 in Adults with Major Depressive Disorder (MDD)
Neurocrine Biosciences
Role: Co-Investigator (PI: Amit Anand)
Description: Industry-sponsored clinical trial assessing the efficacy, pharmacokinetics, and safety profile of a positive allosteric AMPA modulator for subjects with treatment-resistant depression.
- 2022 – 2023 Safety, Tolerability, and Pharmacokinetics Study of MK-8189 in Participants with Schizophrenia and Healthy Participants (MK-8189-011)
Merck Clinical Trials
Role: Sub-Investigator (PI: Rick Mofsen)
Description: Industry-sponsored clinical trial assessing the safety and pharmacokinetic profile of a novel treatment for subjects with an acute episode of schizophrenia.

Funded Current Projects

- 2024 – 2029 Fostering Research Mentorship and Training During Psychiatry Residency
National Institute of Mental Health (NIMH)
R25 Training Grant
Grant Number: R25MH135837
Direct Costs: \$1,000,000 over 5 years
Role: Co-Principal Investigator (Co-PIs: Maurizio Fava, Kerry Ressler, Isabel Lagomasino)
Description: Training grant to support psychiatry residents in a mentored research track at MGH and McLean Hospital
- 2024 – 2027 Facilitation of Extinction Retention and Reconsolidation Blockade by IV Allopregnanolone in PTSD
National Institute of Mental Health (NIMH)
R01 Research Grant
Grant Number: R01MH122867
Role: Co-Investigator (PI: Ann Rasmusson)

Description: Randomized clinical trial examining the effects of allopregnanolone, a hormone implicated in stress response and arousal, on the severity and risk of PTSD and its physiological impacts.

- 2022 – 2026 Study to Evaluate the Efficacy, Safety, and Tolerability of Luvadaxistat in Participants with Cognitive Impairment Associated with Schizophrenia
Neurocrine Biosciences
Direct Costs: \$30,000/subject
Role: Principal Investigator
Description: Industry-sponsored clinical trial examining the effectiveness, pharmacokinetics, and safety profile of luvadaxistat for the treatment of cognitive impairment in schizophrenia.
- 2024 – 2028 Evaluation of the safety/tolerability, PK, and efficacy of FREE001 in adults with TRD
Freedom Biosciences
Direct Costs: \$80,000/subject
Role: Principal Investigator
Description: Industry-sponsored clinical trial assessing the efficacy, pharmacokinetics, and safety profile of an augmenting agent for management of treatment-resistant depression.
- 2024 – 2028 A Phase 2 Randomized, Double-Blind, Placebo-Controlled Study of ABX 002 for the Adjunctive Treatment of Major Depressive Disorder
Autobahn Therapeutics
Direct Costs: \$50,000/subject
Role: Principal Investigator
Description: Industry-sponsored clinical trial assessing the efficacy and safety profile of a thyroid hormone analog as an adjunctive treatment for subjects with major depressive disorder.
- 2025 – 2029 A Phase 1b, Randomized, Double-blind, Sponsor-Unblinded, Placebo-Controlled 4-Way Crossover Study to Evaluate Efficacy, Safety, Tolerability, and Pharmacokinetics of JZP441 in Participants with Narcolepsy Type 1
Jazz Pharmaceuticals
Role: Principal Investigator
Direct costs: \$????
Description: Industry-sponsored clinical trial assessing the efficacy, pharmacokinetics, safety profile, and impact on sleep architecture of a novel treatment for type 1 narcolepsy.

Unfunded Current Projects

- 2020 – Deep phenotyping in obsessive-compulsive disorder
Role: Co-Investigator (PI: Justin Baker)
Description: Dynamical-systems modeling of behavioral phenotypes in obsessive-compulsive disorder.

Report of Local Teaching and Training

Teaching of Students in Courses:

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|-------------|--|---|
| 2014 – 2016 | Biological Statistics
Graduate course | The Rockefeller University
10 hours/week |
| 2022 – | Instructor
Mind, Brain, and Behavior Course | Harvard Medical School
80 hours/year |

Research Supervisory and Training Responsibilities:

2011 – 2016	Rotation Mentor Graduate students	The Rockefeller University 5 hours/week
2015	Summer Science Research Program High school students	The Rockefeller University 2 hours/week
2015 – 2016	Summer Undergraduate Research Fellowship (SURF) Program Undergraduate students	The Rockefeller University 5 hours/week
2022 –	Attending Supervisor, Resident Clinic Department: Outpatient Psychiatry Division Levels: PGY-2, PGY-3, and PGY-4 Residents	Massachusetts General Hospital 5 hours/week

Local Invited Presentations:

- ☒ *No presentations below were sponsored by 3rd parties/outside entities*
- ☐ *Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.*

2017	Health and Medical Data Science, Workshop Leader Future of Care Annual Conference Weill Cornell Medical College and The Rockefeller University, New York, NY
2019	“A 66-Year-Old Man with Pancytopenia and Rash” NEJM Clinicopathological Conference Department of Medicine, Massachusetts General Hospital
2021	“Empathy and Psychiatry” Psychosomatic Conference Department of Psychiatry, Massachusetts General Hospital
2021	“Phenethylamines We Know and Love” Psychosomatic Conference Department of Psychiatry, Massachusetts General Hospital

Report of Regional, National and International Invited Teaching and Presentations

- ☒ *No presentations below were sponsored by 3rd parties/outside entities*
- ☐ *Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.*

International

2016	Kinocilia Actively Augment Mechanosensation by the Lateral-line System Brain and Spine Institute (Institut du Cerveau et de la Moelle epiniere, ICM) Invited Presentation
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Report of Clinical Activities and Innovations

Current Licensure and Certification:

- 2020 – Massachusetts Medical License
2022 – Psychiatry Certification, American Board of Psychiatry and Neurology (ABPN)

Practice Activities:

2022 –	Psychiatrist	Center for OCD and Related Disorders (CORD) Massachusetts General Hospital	Outpatient Psychiatry 12 hours/week
2022 –	Psychiatrist	Inpatient Psychiatric Service Massachusetts General Hospital	Inpatient Psychiatry 8 hours/week
2022 –	Attending Psychiatrist	Resident Clinic Outpatient Psychiatry Division Massachusetts General Hospital	Outpatient Psychiatry 4 hours/week
2022 –	Clinical Investigator	Clinical Trials Network and Institute (CTNI) Massachusetts General Hospital	Clinical Evaluation 8 hours/week

Report of Scholarship

Peer-Reviewed Scholarship in print or other media:

Research Investigations

* *Senior author*

1. **Salvi JD**, Lim JY, Donahue HJ. Finite element analysis of fluid flow conditions in cell culture. *Tissue Engineering Part C: Methods*. 2010 Aug; 16(4): 661-670. PMID 19778171. PMCID 2945919.
2. **Salvi JD**, Lim JY, and Donahue HJ. Increased mechanosensitivity of cells cultured on nanotopographies. *Journal of Biomechanics*, 2010 Nov 16; 43(15):3058-3062. Epub 2010 Sep 20. PMID 20851397. PMCID 3614341.
3. Lim JY, Loisel AE, Lee JS, Zhang JY, **Salvi JD**, Donahue HJ. Optimizing osteogenic potential of adult stem cells for skeletal regeneration. *Journal of Orthopaedic Research*. Nov; 29(11):1627-1633. Epub 2011 Apr 20. PMID 21509820. PMCID 3263698.
4. Patel SH, **Salvi JD**, O'Maoileidigh D, Hudspeth AJ. Frequency-selective exocytosis by ribbon synapses of hair cells in the bullfrog's amphibian papilla. *The Journal of Neuroscience*. 2012 Sep

- 26; 32(39): 13433-13438. PMID 23015434. PMCID 3468150.
5. **Salvi JD**. Graphic tobacco warning labels: an improper solution? *Lung Cancer: Targets and Therapy*. 2014 Jul 12;5: 33-34. PMID 25558178. PMCID 4280669.
 6. Riddle MC, Lin J, Steinman JB, **Salvi JD**, Reynolds MM, Kastor AS, Harris C, Boutin-Foster C. Incorporating the principles of the patient-centered medical home into a student-run free clinic. *Advances in Medical Education and Practice*. 2014 Sept 11 5: 289-297. PMID 25246814. PMCID 4166215.
 7. **Salvi JD**, O'Maoileidigh D, Fabella B, Tobin M, Hudspeth AJ. Control of a hair bundle's function by its mechanical load. *Proceedings of the National Academy of Sciences of the United States of America*. 2015 Feb 17 112(9): E1000-E1009. PMID 25691749. PMCID 4352782.
 8. **Salvi JD**, O'Maoileidigh D, Hudspeth AJ. Identification of bifurcations from direct observations of noisy biological oscillators. *Biophysical Journal*. 2016 Aug 23 111(4): 798-812. PMID 27558723.
 9. Azimzadeh JB, **Salvi JD***. Physiological preparation of hair cells from the sacculus of the American bullfrog (*Rana catesbeiana*). *Journal of Visualized Experiments*. 2017 Mar (121), e55380, doi:10.3791/55380. PMID 28362415. * **Senior author**.
 10. Gneveda KS, Jacobo AJ, **Salvi JD**, Petelski A, Hudspeth AJ. Mechanical force restricts the growth of the murine utricle. *eLife*. 2017; Jul 25; 6: e25681. doi: 10.7554/eLife.25681. PMID 28742024.
 11. Milewski AR, O'Maoileidigh D, **Salvi JD**, Hudspeth AJ. Homeostatic enhancement of sensory transduction. *Proceedings of the National Academy of Sciences of the United States of America*. 2017; Aug 15 114(33): E6794-E6803. doi: 10.1073/pnas.1706242114. PMID 28760949. PMCID 5565450.
 12. Olsen ST, Basu I, Bilge MT, Kanabar A, Boggess M, Rockhill AP, Gosai AK, Hahn E, Peled N, Ennis M, Shiff I, Fairbank-Haynes K, **Salvi JD**, Cusin C, Deckersbach T, Williams Z, Baker J, Dougherty DD, Widge AS. Case report of dual-site neurostimulation and chronic recording of cortico-striatal circuitry in a patient with treatment refractory obsessive compulsive disorder. *Frontiers in Human Neuroscience*. 2020; Sep. doi: 10.3389/fnhum.2020.569973
 13. Layfield S, Wong SA, Duffy LA, Beauchamp P, Eichi HR, **Salvi JD**, Baker J, Ressler KJ, Yip A. The relationship between sleep disturbance and suicidal thoughts on inpatient psychiatric units. *Biological Psychiatry*. 2022; 91(9): S201-S201.
 14. Duffy L, Wong S, Layfield S, Beauchamp P, Eichi HR, **Salvi JD**, Baker J, Ressler KJ, Yip A. Precision psychiatry on adult inpatient psychiatric units: Utilizing patient reported measures and actigraphy data to characterize patient symptomology and outcomes. *Biological Psychiatry*. 2022; 91(9):S201-S202.
 15. Yip A, Layfield S, Duff L, Wong S, Chen J, Osman A, Rodriguez-Villa F, Gelda S, Gelwan E, Beauchamp P, Eichi HR, **Salvi JD**, Baker JT, Busch A, Eisen J, Ressler K. Deep phenotyping in routine inpatient psychiatric care: Methods, feasibility, early results, potential applications. *Neuropsychopharmacology*. 2022; 47:255-256.
 16. Araujo Coelho D, **Salvi JD**, Viera W, Cassano P. Inflammation in obsessive-compulsive disorder: A literature review and hypothesis-based potential of transcranial photobiomodulation. *Journal of*

17. Araujo Coelho D, Yang C, Suriaga A, Manasa J, Bain P, Vieira W, Papatheodorou S, **Salvi JD***. Efficacy of glutamatergic medications for obsessive-compulsive and related disorders: A systematic review and meta-analysis. *JAMA Network Open*. 2025;8(1):e2452973; doi:10.1001/jamanetworkopen.2024.52963.

*** Senior author**

Other peer-reviewed scholarship

*** Senior/Corresponding author**

1. **Salvi JD**, Iqbal M, Kotbi N, Francois D. Successful use of electroconvulsive therapy in the setting of lattice degeneration of the retina. *Primary Care Companion for CNS Disorders*. 2018; Apr 5 20(2):17102190. PMID 29659212.
2. **Salvi J**. Calculated decisions: Columbia-Suicide Severity Rating Scale (C-SSRS). *Emergency Medicine Practice*. 2019; May 1; 21(5): CD3-4. PMID 31039299.
3. McDowell MJ, **Salvi JD***. Casting light from the shadows: Coping and defenses amidst a pandemic. *Journal of Clinical Psychiatry*. 2020; Jun; 81(4):20com13468. PMID 32558400.
*** Senior Author.**
4. **Salvi JD**, Rauch SR, Baker JT. Behavior as physiology: How dynamical-systems theory could help psychiatry. *American Journal of Psychiatry*. 2021;(9): 791-792. doi: 10.1176/appi.ajp.2020.20081151. PMID 34516231. ***Corresponding Author.**

Proceedings of meetings or other non-peer reviewed scholarship

1. **Salvi JD**, O Maoilideigh D, Fabella B, Tobin M, Hudspeth AJ. Characterization of active hair-bundle motility by a mechanical-load clamp. In: Karavtiki KD, Corey DP (eds.) *Mechanics of Hearing: Protein to Perception*. American Institute of Physics, Melville, NY 2015: pp. 030005:1-5.
2. Milewski AR, O'Maoileidigh D, **Salvi JD**, Hudspeth AJ. Homeostatic enhancement of active mechanotransduction. In: *Mechanics of Hearing. In: To the Ear and Back Again – Advances in Auditory Biophysics*, Bergevin C, Puria S (eds.) American Institute of Physics, Melville, NY. 2018: pp. 120007:1-6.
3. O'Maoileidigh D, **Salvi JD**, Hudspeth AJ. Signal detection by active, noisy hair bundles. In: Bergevin C, Puria S (eds.) *To the Ear and Back Again – Advances in Auditory Biophysics*, American Institute of Physics, Melville, NY 2018: p. 060002.

Reviews, chapters, monographs and editorials

1. **Salvi J.** Psychiatric Assessment: Commonly Used Rating Scales. In: Taylor JB, Beach SR, and Puckett J (Eds.), *Pocket Psychiatry, 1st Edition*. Philadelphia, PA: Lippincott Williams & Wilkins Company. 2019: 1-9.
2. **Salvi J.** Somatic Therapies: Electroconvulsive Therapy. In: Taylor JB, Beach SR, and Puckett J (Eds.), *Pocket Psychiatry, 1st Edition*. Philadelphia, PA: Lippincott Williams & Wilkins Company. 2019:4-2.
3. **Salvi JD**, Shea T, Schnitzer K. Schizophrenia. In: *Ferri's Clinical Advisor 2023*. Elsevier Health. 2022: 1360.e7-1360.e9.
4. **Salvi JD.** Schizophrenia. In: *Ferri's Clinical Advisor 2024, 1st Edition*. In Press. June 23, 2023.
5. **Salvi JD**, Ipek S, Keuthen NJ, Dougherty DD, Jenike MA, Wilhelm S, Zakhary L. Obsessive-Compulsive and Related Disorders. In: Stern TA, Wilens TE, Fava M, editors. *Massachusetts General Hospital Comprehensive Clinical Psychiatry, 3rd Edition*. Philadelphia, PA. Elsevier. 2025; 362-370.

Doctoral Thesis:

Salvi JD. Mechanical Control of Sensory Hair-Bundle Function. 2015. Student Theses and Dissertations. 286.
https://digitalcommons.rockefeller.edu/student_theses_and_dissertations/286

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings:

1. Beauchamp P, Eichl, HR, **Salvi JD**, Leibenthal E, Layfield SD, Bray C, Patterson R, Baker JT. Can meaningful clinical information be derived from triaxial accelerometers in adult hospital psychiatry? Harvard Health Data Science Symposium. November 5, 2021. Cambridge, MA.
2. Eichl HR, Liebenthal E, Layfield SD, Bray C, Patterson R, Duffy LA, Wong S, **Salvi JD**, Yip AG, Ressler KJ, Baket JT. Quantifying activity and sleep using triaxial accelerometers in short-term inpatient psychiatric settings. McLean Research Day. January 26, 2022. Belmont, MA.
3. Holstein VL, Eichl HR, Beauchamp P, Culhane B, **Salvi JD**, Patterson R, Liebenthal E, Ressler K, Baker JT. Quantifying benzodiazepine effects using actigraphy: First evidence in a psychiatric inpatient cohort. Harvard Medical School Psychiatry Research Day. 2023. Boston, MA.
4. Araujo Coelho D, Yang C, Suriaga A, Manasa J, Bain P, Vieira W, Papatheodorou S, **Salvi JD***. Efficacy of glutamatergic medications for obsessive-compulsive and related disorders. Harvard Psychiatry Research Day. February 26, 2025. Boston, MA.
* **Senior author**
5. **Salvi JD**, Lagomasino I, Ressler K, Fava M. Targeted professional development through milestones in a residency research program. American Association of Directors of Psychiatric Residency Training. March 4-8, 2025. San Francisco, CA.

Narrative Report

Introduction

I am a physician-scientist who specializes in the care of patients with obsessive-compulsive and related disorders. After completing my training in Psychiatry at Massachusetts General Hospital (MGH) and McLean Hospital, I joined the faculty at MGH and Harvard Medical School (HMS), where I provide clinical care, supervise trainees, administer a clinic, and conduct research on obsessive-compulsive disorder (OCD) to enhance our knowledge and the quality of patient care. I additionally dedicate substantial effort to medical education, serving as an Associate Program Director of the MGH/McLean Hospital Psychiatry Residency Program and the Associate Director of the residency's Physician Scientist Training Program. My roles at MGH and HMS comprise a combination of clinical care, teaching, and research.

Area of Excellence: Clinical Expertise and Innovation

My clinical interests and expertise revolve around the practice of adult outpatient and inpatient psychiatry. I am actively involved in clinical work, providing treatment for patients afflicted with obsessive-compulsive and related disorders. I work closely with expert colleagues in the Center for OCD and Related Disorders (CORD) at MGH, along with research collaboration with members of the OCD Institute at McLean Hospital. Within this context, I have taken on an additional leadership role as Assistant Medical Director of CORD. In the past year, I served as first author on a chapter for OCD and Related Disorders in Comprehensive Clinical Psychiatry. I have also directly supervised multiple trainees at MGH and HMS in this area, publishing two additional papers in the past year, one of which I served as the Senior Author. Finally, my investigation (see below) in behavioral phenotyping in OCD with McLean Hospital's OCD Institute directly supports and complements my clinical activities, which have been published and presented in multiple venues over the past two years.

Significant Supporting Activity: Investigation

My research interests lie in the nosology of psychiatric illness. To achieve this, I was awarded a Sklar Fellowship from the Stanley Center for Psychiatric Genetics at The Broad Institute and continue my work in this area in collaboration with investigators at multiple sites. I employ computational approaches for behavioral classification, genomic studies, neuroimaging, and cognitive tasks in patients with OCD, with a goal to both improve our understanding of this disorder and enhance clinical care in both psychopharmacology and psychotherapy. I will continue this work in collaboration with the OCD Institute at McLean Hospital.

I additionally serve as an Associate Director of Psychiatric Studies in the Translational Research Center at MGH. Here I recruit, design, and run inpatient Phase I and II clinical trials in collaboration with industry leaders. Furthermore, I have initiated collaborations with other research groups at MGH who wish to pursue inpatient psychopharmacological studies.

More recently, I began to mentor residents at Massachusetts General Hospital and a postdoctoral fellow from the Harvard T.H. Chan School of Public Health in the study of OCD and related disorders. Here we completed and continue to pursue studies examining the role of novel treatments in the management of OCD and related disorders. Moreover, resident physicians that I supervise have begun to pursue clinical investigations at the Translational and Clinical Research Centers at MGH. Motivated by the interest from trainees and my keen interests in OCD and computational work, I recently began an R21 application that proposes the use of various metrics (wrist actigraphy, patient outcomes reported via smartphone technology, and electronic health records)

to explore trans-diagnostic dimensions of behavior so that we may better target treatments and assess outcomes in both clinical research and clinical practice.

Special Merit in Education

I am actively involved in teaching and supervision of medical students and residents at the MGH/HMS. One of my major roles in the residency is that of an Associate Program Director of the MGH/McLean Hospital Psychiatry Residency Program and the Associate Director of the residency's Physician Scientist Training Program. In my role, I am directly involved in the medical education of residents, and I develop and lead a program with its own curriculum for residents who aspire to become clinician-scientists. To that end, I now serve as an MPI on a five-year NIMH R25 award to support our residents' research training. I also work closely with residents in the Outpatient Psychiatry Division at MGH, where I serve as a clinical supervisor.

Additionally, I serve as an instructor in the Mind, Brain, and Behavior course for first-year medical students at HMS. Having previously designed graduate-level courses in biological statistics at The Rockefeller University, I plan to adapt this knowledge to develop a similar course for residents and medical students at MGH and HMS. Finally, I recently developed and now direct a new selective for third-year residents that aims to improve residents' knowledge and practice of OCD and related disorders, which includes a combination of didactic learning, mentored psychopharmacology intakes and follow-ups, and direct supervision in exposure and response prevention (ERP).

Summary

I provide clinical care, administrative oversight in clinical, scholarly, and educational domains, and teaching, while conducting clinical trials in my area of clinical expertise. My teaching and multiple domains of leadership allow me to share my clinical and research expertise with trainees spanning MGH, McLean Hospital, and HMS.

Through my lecturing (at a local, regional, and national level), my written works (e.g., peer-reviewed original research, topical reviews of the literature, and book chapters in well-regard texts), my clinical research, and my involvement with professional societies I have sought to improve the care for patients with all psychiatric illnesses, focusing primarily on obsessive-compulsive and related disorders.