PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF PSYCHIATRY

Approved by the Regents
May 20, 2010

Stephan F. Taylor, M.D., associate professor of psychiatry, with tenure, Department of Psychiatry, Medical School, is recommended for promotion to professor of psychiatry, with tenure, Department of Psychiatry, Medical School.

Academic Degrees:

M.D.	1988	Washington University
B.A.	1980	Northwestern University

Professional Record

2005-present	Adjunct Associate Professor of Psychology, College of Literature, Science, and the Arts, University of Michigan
2003-present	Associate Professor of Psychiatry, University of Michigan
1995-2003	Assistant Professor of Psychiatry, University of Michigan
1993-1995	Lecturer, Department of Psychiatry, University of Michigan

Summary of Evaluation:

Teaching: Dr. Taylor maintains significant teaching and training activities. He has mentored the careers of graduate students in neuroscience, psychology post-doctoral fellows and junior faculty and has served on 11 dissertation committees. He is the co-organizer of a neuroscience graduate seminar in cognitive and affective neuroscience (~13 sessions/year). Since 2004, he has led the departmental grand rounds, overseeing a broad-based series to bring in speakers of national renown to present on a wide variety of topics. He is an active educator across campus, contributing through fMRI symposia and periodic formal lectures in the Department of Psychology. He has been active in community education on mental illness through talks to advocacy groups, regular educational sessions to family members of patients and case conferences at Washtenaw County Community Mental Health.

Research: Dr. Taylor is among the first investigators to focus on neurobiological correlates of emotional disturbance in schizophrenia. He has contributed to several NIMH-sponsored initiatives to treat cognitive-affective disturbance in schizophrenia. His translation of the study of cognitive control and the medial frontal cortex to the study of obsessive compulsive disorder seeks to identify neural systems involved in the pathophysiology of the illness. This R01-funded research line has developed two junior research careers--a K23, two NARSAD Young Investigator Awards, a Dana Award and an F32. Dr. Taylor is well-recognized as co-leading one of the more productive neuroimaging laboratories exploring neural correlates of cognitive-emotional interactions. He continues to pursue the translation of imaging work in psychiatric disorders into treatment interventions in the form of deep brain stimulation in obsessive

compulsive disorder and is currently leading an interdisciplinary team in the study of depression. Dr. Taylor's notable skills include 1) Analysis and interpretation of functional MRI and PET data; 2) Diverse interdisciplinary collaborations with colleagues in psychology, biomedical engineering and pharmacy; 3) Design and analysis of psychological experiments investigating cognition and emotion; and 4) Deep brain stimulation. Dr. Taylor is the author of 63 peer-reviewed publications, eight book chapters and three non peer-reviewed publications.

Recent and Significant Publications:

Taylor SF, Phan KL, Britton JC, Liberzon I: Neural response to emotional salience in schizophrenia, *Neuropsychopharmacology* 30:984-995, 2005.

Abelson JL, Curtis GC, Sagher O, Albucher RC, Harrigan M, Taylor SF, Martis B, Giordani B: Deep brain stimulation for refractory obsessive compulsive disorder. *Biological Psychiatry* 57:510-516, 2005.

Fitzgerald KD, Welsh RC, Gehring WJ, Abelson J, Himle J, Liberzon I, Taylor SF: Error-related hyperactivity of the anterior cingulate cortex in obsessive compulsive disorder. *Biological Psychiatry* 57:287-294, 2005.

Taylor SF, Martis B, Welsh RC, Fitzgerald KD, Liberzon I, Abelson JL, Himle JA, Gehring WJ: Medial frontal cortex activity and loss-related responses to errors. *Journal of Neuroscience* 26:4063-4070, 2006.

Welsh RC, Chen AC, Taylor SF, Low frequency BOLD fluctuations demonstrate altered thalamocortical connectivity in schizophrenia. *Schizophrenia Bulletin*, published online Nov 5, 2008, NIHMS90868.

Service: Dr. Taylor's service record within as well as outside the University of Michigan is commendable. His expertise on regulatory affairs in human subjects includes serving as an IRB member for eight years, vice-chair of University of Michigan IRBMED, member of the Human Research Committee, and the American College of Neuropsychopharmacology. He is past president of the Psychiatric Research Society. He is a member of the American College of Neuropsychopharmacology. He serves on the editorial board of *Biological Psychiatry* and is a regular reviewer for the top journals in psychiatry. He is active on program and event committees at various national/international conferences of the prominent research societies in psychiatry and has participated in MATRICS and CNTRICS consensus conferences, sponsored by the NIMH, on treating cognition in schizophrenia.

External Review:

Reviewer A: "His work is carefully done and well presented reflecting conceptual and methodological sophistication in functional imaging...He has been an exemplary researcher who will continue to make significant contributions to the field."

Reviewer B: "Dr. Taylor publishes at an impressive rate, on topics of clear basic science and clinical importance, and in journals of high impact. His work is highly visible in the US and internationally...I am particularly familiar with his work on the neural circuitry supporting emotional arousal and regulation in both healthy populations and patients with schizophrenia. In my view he is a widely admired and respected authority in this area...I see no risk but rather much to be applauded and celebrated in promoting Dr. Taylor to the rank of professor in your department."

Reviewer C: "He is both a scientist and a scholar. There is no question that he has already contributed seminal papers to the neuroscience and psychiatry literature and there is no reason to doubt that many more contributions will follow over the course of his academic career...His collective expertise in clinical psychiatry, cognitive neuroscience and neuroimaging is still rare today and sets him apart from many of his peers in the field. Dr. Taylor is now an internationally recognized authority in psychiatric research, with a special focus on psychotic, mood and anxiety disorders...his ability to collaborate and mentor is remarkable and will serve him well as he pursues his academic interests."

Reviewer D: "Without question, Dr. Taylor's work is of very high scientific quality and quite important; I would rank his studies on the neural correlates of emotional processes in psychopathology as among the best in the world...Dr. Taylor clearly has emerged as an individual with a reputation for outstanding scholarship at both a national level and international level...Simply put, he is a brilliant, gifted, and amazingly caring teacher."

Reviewer E: "It is additionally impressive that Dr. Taylor has been able to very successfully mentor a large number of pre-doctoral, postdoctoral, and junior faculty researchers, some of whom have obtained NIH K-awards. Dr. Taylor's excellent mentoring skills are further highlighted by the fact that many of these junior researchers are authors on Dr. Taylor's publications."

Reviewer F: "His scholarship contributes significantly to the literature in these areas, advancing imaging in psychiatry...His steady history of productivity suggests that he will continue in this same vein for years to come...I would certainly love to have him as one of my faculty. He is a great asset to your department and warrants this promotion."

Summary of Recommendation:

Dr. Taylor has a reputation as a first rate clinical neuroscientist. Using leading edge technologies, he has adapted fundamental approaches in cognitive and affective neuroscience and applied them to understand the functional neuroanatomy of psychiatric disorders. Specifically, he continues to make significant contributions to the understanding of the neurobiology of schizophrenia and obsessive compulsive disorder and has a grant under review to study the effect of repetitive transcranial magnetic stimulation (rTMS) on affective and cognitive neurocircuitry. He has demonstrated superb and consistent skills across the three missions, has been successful in obtaining grant funding, and has made impressive service

contributions both locally and nationally. I am pleased to recommend Dr. Taylor for promotion to professor in the Department of Psychiatry.

James O. Woolliscroft, M.D.
Dean
Lyle C. Roll Professor of Medicine

May 2010