

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF PSYCHIATRY

Kate D. Fitzgerald, M.D., assistant professor of psychiatry, Department of Psychiatry, Medical School, is recommended for promotion to associate professor of psychiatry, with tenure, Department of Psychiatry, Medical School.

Academic Degrees:

M.D.	2000	Wayne State University
M.S.	1999	Wayne State University
B.A.	1992	Amherst College

Professional Record:

2010-2015	Research Assistant Professor, Center for Human Growth and Development, University of Michigan
2009-present	Assistant Professor of Psychiatry, University of Michigan
2007-2009	Clinical Lecturer, Department of Psychiatry, University of Michigan

Summary of Evaluation:

Teaching: Dr. Fitzgerald provides weekly clinical supervision in the Pediatric Anxiety Clinic to medical students, residents, child fellows, post-graduate social workers and post-doctoral psychologists. The quality of her teaching is evidenced by the strong evaluations she receives. She is also the recipient of the Nancy C. A. Roeske, M.D. Certificate of Excellence in Medical Student Education, awarded by the American Psychiatric Association. In 2013, she co-founded the Early Career Faculty Group in the Department of Psychiatry where she co-leads a bi-monthly meeting of instructional and research track faculty who are at the early stages of their careers. Dr. Fitzgerald is the founder and co-chair of the department's bi-weekly, interdisciplinary Pediatric Anxiety Team meetings. These meetings provide a unique opportunity for clinical trainees across all levels to learn from one another. Dr. Fitzgerald is the founder of an interdisciplinary interest group, Moms in Medicine, for residents, medical students and junior faculty with young children.

Research: Dr. Fitzgerald's research focus is on atypical brain development in pediatric obsessive-compulsive, as well as anxiety and depressive disorders, paving the way for novel interventions to improve brain function and clinical outcomes. Her K23-funded functional magnetic resonance imaging (fMRI) study of pediatric obsessive compulsive disorder (OCD, PI Fitzgerald) has played a key role in establishing atypical development of neural substrate for error-processing during the early course of illness. Building from this work, Dr. Fitzgerald is a co-PI on recent R01 funding to study age-sensitive neural mechanisms of cognitive behavior therapy effect in OCD. She is also working to establish a brain-behavioral diagnostic battery for

preschool anxiety and depression and to understand neural predictors and mechanisms of treatment effect in youth with non-OCD anxiety. Ultimately, these efforts should identify neural alterations that need to be targeted to enhance recovery from OCD, anxiety and depression, and that may need to be targeted differently at different stages of development and for different forms of psychopathology.

Dr. Fitzgerald recently joined an imaging-genetics collaborative, ENIGMA (Enhancing Neuro Imaging Genetics through Meta-Analysis). As the PI of the UM site, she will lead analysis on imaging data collected from her OCD Developmental Study and contribute DNA from those subjects. Approximately 15 other sites will contribute similar data to generate the largest genetics- imaging study of OCD to date (~1500 OCD subjects), enabling ground-breaking, developmentally sensitive, genetics-imaging analyses of OCD.

Dr. Fitzgerald is an author of 40 peer-reviewed publications which have been published in high impact journals including *Biological Psychiatry*, the *Journal of the American Academy of Child and Adolescent Psychiatry* and *Neuroimage*. She is also an author of three book chapters. The impact of her peer-reviewed publications is evidenced by their high citation rate, with five papers garnering more than 200 citations, total citations of 1,569 and an average citation rate of 43.2. Dr. Fitzgerald has organized and presented symposia and other talks at national meetings, including of the American College of Neuropsychopharmacology, Society of Biological Psychiatry, Psychiatry Research Society and the Anxiety and Depression Association of America, establishing a scientific presence among leaders in the field.

Since joining the faculty, Dr. Fitzgerald has had continuous successful in obtaining research funding including the National Alliance for Research in Schizophrenia and Affective Disorders (NARSAD) and a MICHR KL2 Career Development Award. Subsequently, she received funding through a K23 Career Development Award and the Dana Foundation. Her current research is funded through the Brain Behavior Research Foundation, and new R03 and R01 research grants, both from the National Institute of Mental Health.

Recent and Significant Publications:

Fitzgerald KD, Stern ES, Nicholson-Muth K, Angstadt M, Maynor, M, Welsh RC, Hanna GL, Taylor SF: Altered function and connectivity of the medial frontal cortex in pediatric obsessive compulsive disorder, *Biological Psychiatry*, 68:1039-1047, 2010.

Fitzgerald KD, Perkins SC, Angstadt, M, Stern ER, Welsh RC, Taylor SF: The development of performance-monitoring function in the posterior medial frontal cortex, *Neuroimage* 49:3463-3473, 2010.

Fitzgerald KD, Welsh RC, Stern ER, Angstadt M, Hanna GL, Abelson JL, Taylor SF: Developmental alterations of frontal-striatal-thalamic connectivity in obsessive compulsive disorder. *Journal of the American Academy of Child Adolescent Psychiatry*, 50:938-948, 2011.

Fitzgerald KD, Liu Y, Stern ER, Welsh RC, Hanna GL, Monk CS, Phan KL, Taylor SF: Reduced error-related activation of dorsolateral prefrontal cortex across pediatric anxiety

disorders. *Journal of the American Academy of Child Adolescent Psychiatry*, 52:1183-1191, 2013.

Liu Y, Carrasco M, Gehring WJ, Hanna TL, Fitzgerald KD: Altered relationship between electrophysiological response to errors and gray matter volumes in an extended network for error-processing in pediatric obsessive-compulsive disorder. *Human Brain Mapping* 35:1143-1153, 2014.

Service: Dr. Fitzgerald provides service through a variety of roles and leadership positions in and outside the Department of Psychiatry. She is one of three early-career faculty on the Psychiatry Research Council. From 2010-2013, she served as member of the Child Health Initiative Workgroup (CHIWG) for Michigan Institute for Clinical Health Research (MICHR), providing leadership to UMHS and broader Michigan community to promote clinical translational research in children and adolescents. Dr. Fitzgerald's clinical interest is in treating children and adolescents with OCD and other forms of anxiety. Dr. Fitzgerald is a member of the Data and Safety Monitoring Board for the Healthy Bodies Study, a multi-center NRSA-funded study of an online intervention to promote help-seeking for disorder eating in college students. Dr. Fitzgerald holds current membership in several professional societies. Since 2008, she has served as an associate editor for *Frontiers in Child and Neurodevelopmental Psychiatry*. She is an ad hoc reviewer for many high impact journals including *JAMA Psychiatry*, the *American Journal of Psychiatry* and *Biological Psychiatry*. Dr. Fitzgerald has served as an ad hoc reviewer on the NIMH Child Psychopathology and Developmental Disorder Study Section.

External Reviewers:

Reviewer A: "...Dr. Fitzgerald is an excellent scientist; her research has made significant contributions to the field of OCD and she has a sustained record of federal and foundation funding....Dr. Fitzgerald's high quality research has led to her emergence as a leader in the field of pediatric OCD neurobiology. She has been invited to speak at many national meetings and at psychiatry's top research conferences."

Reviewer B: "Dr. Fitzgerald is a very well trained physician scientist and brings her unique expertise as a child psychiatrist to her research program. The pool of academic child psychiatrists with strong research expertise is small and the University of Michigan is fortunate to have Dr. Fitzgerald in their midst."

Reviewer C: "So I will briefly note that her key papers represent important contributions, and that the number of child and adolescent psychiatrist who are also able to produce such high quality research is exceedingly small. Her success in obtaining NIH funding is beyond commendable—it's simply outstanding at this time of funding scarcity, and speaks volumes of her innovativeness, work ethic and standing in the field."

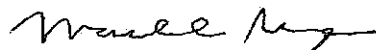
Reviewer D: "...Dr. Fitzgerald's work is exemplary in its programmatic nature and impact. Over the past five years, her research has greatly extended and enhanced our understanding of critical neurocircuitry and neural networks underlying the developmental psychopathology of OCD and related anxiety disorders."

Reviewer E: “Her name regularly comes up when I have been on committees looking for mid-level scientists who are the emerging ‘stars’ in our field.”

Reviewer F: “...it is extremely rare for [an] MD to specialize in child psychiatry and to choose a research career. There are a handful of such people across the country, and an even smaller number who have demonstrated the ability to develop an independent research career and to garner continuous NIMH funding....If Dr. Fitzgerald is also a gifted teacher and can attract the next generation of MD’s to be interested in pediatric mental health and a research career (as her CV suggests), then promotion [sic] her will not only secure a great asset for your institution but also advance our field.”

Summary of Recommendation:

Dr. Fitzgerald has a well-balanced and productive mix of scholarly activities, clinical and research mentoring and institutional as well as community and national service. She has made important contributions to the neurobiological understanding of brain function in OCD and has a translational focus which ensures that her work will positively impact clinical care. Her achievements are mirrored by her success in obtaining extramural funding and developing strong collaborations. I am, therefore, pleased to recommend Kate D. Fitzgerald, M.D. for promotion to associate professor of psychiatry, with tenure, Department of Psychiatry, Medical School.



Marschall S. Runge, M.D., Ph.D.
Executive Vice President for Medical Affairs
Dean, Medical School

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