

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF PSYCHIATRY

Gregory L. Hanna, 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.	1981	University of Oklahoma
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Professional Record:

1998-present	Associate Professor of Psychiatry, University of Michigan
1991-1998	Assistant Professor of Psychiatry, University of Michigan
1987-1991	Assistant Professor in Residence, Department of Psychiatry and Behavioral Sciences, University of California, Los Angeles

Summary of Evaluation:

Teaching: Dr. Hanna is director of the Pediatric Anxiety and Tic Disorder Program. This program provides research, training, and clinical services for pediatric patients with anxiety disorders, tic disorders, and related disorders from a wide catchment area. He is an active clinical supervisor for residents in general psychiatry and in child and adolescent psychiatry. He served, first as interim, then as service chief and director of the Child and Adolescent Psychiatry Section from 1998-2004. He was a research mentor for several residents who are now faculty at the University of Michigan and elsewhere. Dr. Hanna's teaching is multi-disciplinary. He supervises a substantial number of outpatient evaluations every year involving child and adolescent psychiatry fellows and also fellows in the psychology and social work training programs. He has periodically given lectures to psychology fellows on pediatric psychopharmacology and to students in the School of Social Work on tic disorders. Dr. Hanna has been involved in organizing the annual Todd Ouida Lecture on Childhood Anxiety and Depression and Clinical Scholars Award since 2001.

Research: The overarching theme of Dr. Hanna's research program is the genetics and neurobiology of obsessive-compulsive disorder (OCD). His initial work in this area involved descriptive studies and peripheral biochemical studies of pediatric OCD. With funding from the National Institute of Mental Health (NIMH) and other sources, he began a systematic search to identify susceptibility loci for OCD using family studies, segregation analyses, genome-wide linkage analyses, and candidate gene and genome-wide association studies. Since his last promotion, these genetic linkage and association studies have identified the glutamate transporter gene (SLC1A1) as a positional and functional candidate gene for OCD, which has emerged as the only reliable replicated gene for OCD at this time. Dr. Hanna has also started to examine glutamatergic and morphological abnormalities in pediatric OCD using genetic imaging

methods, as well as medial frontal error-related brain activity in several pediatric anxiety disorders using event-related potentials. Dr. Hanna is principal investigator on an R01 with the National Institute of Mental Health and receives funding from the Obsessive Compulsive Foundation as PI. He is also co-investigator on a grant from Autism Speaks. Dr. Hanna is the author of 58 peer-reviewed publications, two non peer-reviewed publications and 12 book chapters.

Recent and Significant Publications:

Hanna GL, Veenstra-VanderWeele J, Cox NJ, Van Etten-Lee M, Fischer DJ, Himle JA, Bivens NC, Wu X, Roe CA, Hennessy KA, Dickel DE, Leventhal BL, Cook Jr EH: Evidence for a susceptibility locus on chromosome 10p15 in early-onset obsessive-compulsive disorder. *Biological Psychiatry* 62:856-862, 2007.

Dickel DE, Veenstra-VanderWeele J, Cox NJ, Wu X, Fischer DJ, Van Etten-Lee M, Himle JA, Leventhal BL, Cook Jr EH, Hanna GL: Association testing of the positional and functional candidate gene *SLC1A1* in early-onset obsessive-compulsive disorder. *Archives of General Psychiatry* 63:778-785, 2006.

Hanna GL, Himle JA, Curtis GC, Gillespie BW: A family study of obsessive-compulsive disorder with pediatric probands. *American Journal of Medical Genetics (Neuropsychiatric Genetics)* 134:13-19, 2005.

Hanna GL, Fischer DL, Chadha KR, Himle JA, Van Etten M: Familial and sporadic subtypes of early-onset obsessive-compulsive disorder. *Biological Psychiatry* 57:895-900, 2005.

Hanna GL, Veenstra-VanderWeele J, Cox NJ, Boehnke M, Himle JA, Curtis GC, Leventhal BL, Cook Jr EH: Genome-wide linkage analysis of families with obsessive-compulsive disorder ascertained through pediatric probands. *American Journal of Medical Genetics (Neuropsychiatric Genetics)* 114:541-552, 2002.

Service: Dr. Hanna has been a reviewer of manuscripts for over 20 years for numerous psychiatric journals. He has served on NIH study sections, reviewing grant applications for the investigation of psychiatric disorders in children and adults and the genetics of several medical disorders. He has reviewed research grant applications for the International OCD Foundation. Since 2002, he has served on the data safety and monitoring boards for three research projects funded by the NIMH on the treatment of suicidal youth and pediatric obsessive-compulsive disorder. In 2006 and 2007, he was the only child and adolescent psychiatrist on the committee for the American Psychiatric Association that published the Practice Guideline for the Treatment of Patients with Obsessive-Compulsive Disorder. Since 2007, he has been a member of the steering committee of the Obsessive-Compulsive Foundation Genetics Collaborative Whole Genome Association Study of obsessive-compulsive disorder and Tourette syndrome.

External Review:

Reviewer A: "...Dr. Hanna has developed a scholarly and professional niche in the field of genetics of juvenile-onset OCD. His contributions are cutting-edge and I believe he will

continue to make important discoveries in this area. He is an internationally-recognized leader in this topic.”

Reviewer B: “Without a doubt Dr. Hanna is recognized among his peers as making seminal contributions to our understanding of the pathophysiology of OCD. He was one of the first to enter this field and he has managed to adapt his methodology over time to stay at the leading edge of technology....It is in my opinion that he would easily qualify for this rank on a tenured line at any equivalent academic institution in the United States.”

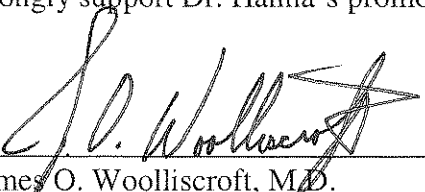
Reviewer C: “He has continued to provide excellent instruction to others by teaching numerous courses and lectures on OCD, behavioral pediatrics, DSM-IV, and psychiatric genetics at the University of Michigan and other universities and hospitals throughout the United States and in the Netherlands....Dr. Hanna has mentored undergraduates, junior and senior faculty as well as post-doctoral fellows.”

Reviewer D: “His papers have shown methodological excellence, based on clinically relevant questions and pioneer approaches. These papers have been published in prestigious scientific journals and contributed to the better understanding of OCD genetics and to raise new research interests on this field...I believe that Dr. Gregory Hanna has established an international reputation in the field of genetic susceptibility of OCD and related disorders, is deeply engaged in an excellent scholarly work, and has shown to be a talented teacher.”

Reviewer E: “I believe his pioneering efforts are important to consider in the promotion process as the impact of his research is not so much that he has found ‘the gene’ but more that he functioned as a role model for a scientific approach to child and adolescent psychiatry at a time when true child psychiatry scientist [sic] was rare....He is one of the pioneers in pediatric OCD and has made major contribution [sic] to the field and been recognized nationally and internationally.”

Summary of Recommendation:

Dr. Hanna is recognized nationally and internationally as a leader in the area of pediatric OCD and associated genetics. He has successfully sought federal and foundation funding, in a most difficult funding climate, to support the work of his collaborative team. Importantly, this work has led to a major and replicated finding in the genetics of OCD and to current and ongoing studies to understand the genetics and neurobiology of this disorder. He has made major contributions to resident and medical education and to administrative and clinical service. I strongly support Dr. Hanna’s promotion to professor in the Department of Psychiatry.



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

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