

PROMOTION RECOMMENDATION  
THE UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF EMERGENCY MEDICINE  
DEPARTMENT OF NEUROLOGY

William J. Meurer, M.D., assistant professor of emergency medicine, Department of Emergency Medicine, and assistant professor of neurology, Department of Neurology, Medical School, is recommended for promotion to associate professor of emergency medicine, with tenure, Department of Emergency Medicine, and associate professor of neurology, without tenure, Department of Neurology, Medical School.

Academic Degrees:

M.S.	2009	University of Michigan, School of Public Health
M.D.	2003	University of Cincinnati
B.A.	1999	The Ohio State University

Professional Record:

2010-present	Assistant Professor of Emergency Medicine and of Neurology, University of Michigan
2006-2010	Clinical Lecturer, Department of Emergency Medicine and Department of Neurology, University of Michigan

Summary of Evaluation:

Teaching: Dr. Meurer devotes 10-15% of his time to teaching. He works with undergraduates, medical students, residents and fellows. Nationally, he designed and implemented the NINDS Clinical Trials Methodology Course in collaboration with a team from Iowa and UCLA and is course director of the NINDS Clinical Trails Methodology Course which provides practice instruction to 25-40 trainees per year. The goal of the course is to improve the pipeline of clinical investigators conducting clinical trials and to improve the science that is conducted within early phase clinical trials in neurology, emergency medicine, and neurosurgery. During clinical shifts in the Department of Emergency Medicine, he teaches residents, fellows and medical students. He has also mentored a first-year medical student for the past four years participating in a summer research project, has mentored an undergraduate student in abstracting clinical data for hemorrhage patients (Summer Biomedical Research Program) and mentored two undergraduate students through the UROP program. Institutionally, he currently is an Advanced Trauma Life Support Instructor (one to two courses per year) for the Emergency Medicine Oral Board Simulation for second and third year residents, gives lectures on brain resuscitation to emergency medicine residents annually, and lectures to M-4's on critical appraisal of stroke trials for the Advanced Medical Therapeutic Course and other acute stroke topics. He is course the director of the Emergency Medicine Residency Journal Club which is a valued component of the core lecture series. In addition, he has given lectures as part of the Neurology resident education

curriculum in stroke. Since 2013, he was the advisor for the Evidence Based Medicine didactic lectures for two emergency medicine residents.

Research: Since being appointed as an assistant professor in 2010, Dr. Meurer has focused his career on the design and statistical analysis of complex multicenter trials for the evaluation of emergency therapies for neurological catastrophes. In addition to his role in several ongoing notational studies, his national expertise in the area of advanced study design has been concretely acknowledged in his service as the principal investigator on a NINDS-funded project to disseminate broadly best practice in regards to adaptive trials. Since 2010, he has authored 57 peer reviewed papers (in *JAMA*, *Stroke* and *Annals of Emergency Medicine*) and was first or senior author on 15 of these. He has built a successful clinical research program of collaborative science that cuts across and integrates three pillars: 1) research and education to advance trial methodology, 2) development and improvement to acute therapies for neurological emergencies, and 3) study of how physicians and patient behavior interact with both novel therapies and research methods. He is the principal investigator on both a R01 and a R25.

Having both primary training in emergency medicine and fellowship training in neurovascular disease, allows him to operate as a faculty member in both Emergency Medicine and Neurology and to communicate effectively in both domains. His graduate training in research design and statistics permits him to serve as a bridge between statistical colleagues and clinical investigators.

Since 2010, he has received the Outstanding Peer Reviewer from *Academic Emergency Medicine*; Outstanding Peer Reviewer from *Annals of Emergency Medicine*, the Sylvan Green Award (Annual Meeting of the Society for Clinical Trails); Best Junior Faculty Presentation, Annual Meeting of the Society of Academic Emergency Medicine, and Society for Academic Emergency Medicine Young Investigator Award. He is currently an assistant editor for *Annals of Emergency Medicine* and a guest editor for *Neurological Clinics of North America*. He is a journal reviewer for *Annals of Emergency Medicine*, *American Journal of Emergency Medicine*, *Stroke* and *PLOS-one*. He is also an abstract grader for the International Stroke Conferences and methodology/statistical reviewer for *Academic Emergency Medicine*.

#### Recent and Significant Publications:

Skolarus LE, Scott PA, Burke JF, Adelman EE, Frederiksen SM, Kade AM, Kalbfleisch JD, Ford AL, Meurer WJ: Antihypertensive treatment prolongs tissue plasminogen activator door-to-treatment time secondary analysis of the INSTINCT Trial. *Stroke* 43:3392-3394, 2012.

Scott PA, Meurer WJ, Frederiksen SM, Kalbfleisch JD, Xu Z, Haan MN, Silbergleit R, Morgenstern LB, INSTINCT Investigators: A multilevel intervention to increase community hospital use of alteplase for acute stroke (INSTINCT): a cluster-randomised controlled trial. *Lancet Neurol* 12:139-148, 2013.

Meurer WJ, Kwok H, Skolarus LE, Adelman EE, Kade AM, Kalbfleisch J, Frederiksen SM, Scott PA: Does preexisting antiplatelet treatment influence post thrombolysis intracranial

hemorrhage in community-treated ischemic stroke patients? An observational study *Academic Emerg Med* 20:146-154, 2013.

Tehrani JS, Meurer WJ: Can response-adaptive randomizations increase participation on acute stroke trials? *Stroke* 45:2131-2133, 2014.

Meurer WJ, Silbergleit R, Nicholas KS, Burke JF, Durkalski V: Accounting for repeat enrollment during an emergency clinical trial: The Rapid Anticonvulsant Medications Prior to Arrival Trial (RAMPART). *Academic Medicine: Official Journal of the Society for Academic Emergency Medicine*, 22:373-377, 2015.

Service: Dr. Meurer provides academic service to the department, the Medical School, the health system and the national community. Institutionally, he serves on the Stroke Quality Assurance Committee, Department of Emergency Medicine Website Committee, Fast Forward Medical Innovation, Stroke Arrival Group (chair) and Stroke Arrival Process Lean Team. Nationally, he is a member of the Clinical Practice Committee of the American Academy of Emergency Medicine, Neurological Emergencies Interest Group for the Society for Academic Emergency Medicine, Program Committee, Society for Clinical Trials Annual Meeting and AHA Emergency Cardiovascular Care Writing Group. Regionally, he is a member of the Michigan Department of Community Health: HDSP-EMS systems of Care Work Group on Stroke Designation and Verification.

#### External Reviewers:

Reviewer A: “As a clinician scientist focusing on the scholarship of application, his collaborative work with specialists from other disciplines is a model for future emergency medicine researchers.”

Reviewer B: “With regard to scholarship in particular, the number of articles, the journals in which they are published, and the quality of his publications themselves are all first rate. His work clearly places him in a position of impact within not only emergency medicine but also stroke neurology. Along with his scholarship, the talks that he has given, the editing and reviewer status that he has all make Will an emergency physician whose impact is large and growing.”

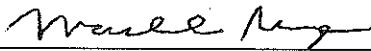
Reviewer C: “In a relatively short amount of time, his work has attracted significant national/NIH funding to advance the care of all patients with neurologic emergencies, and he is leading multicenter efforts to affect positive change on a large scale....Dr. Meurer has distinguished himself as a national leader in the rapidly evolving field of neurologic emergencies. I have no doubt that his contributions will remain sustained and substantial in years to come.”

Reviewer D: “...I believe that promotion is deserved based on the volume of publications, grantsmanship history, and clear activity at the national level in his area of interest...”

Reviewer E: “At the University of Michigan, Will has focused his efforts on providing cutting edge care for patients with acute neurovascular injuries. As the Emergency Medicine Director of the University of Michigan Comprehensive Stroke Center, Will has been instrumental in providing leadership, guidance and input into the institutional and regional Michigan stroke care network. Nationally, the University of Michigan is known as a leader in acute stroke care while offering patients the opportunity to participate in cutting edge clinical trials. Will is directly responsible and recognized nationally as one of the leaders of Michigan’s stroke care success story.”

Summary of Recommendation:

Dr. Meurer is a nationally and internationally respected leader and researcher in the specialty of emergency medicine and neurological emergencies. He is an outstanding clinician, researcher and teacher who is highly respected by all who know him. I am pleased, therefore, to recommend William J. Meurer, M.D. for promotion to associate professor of emergency medicine, with tenure, Department of Emergency Medicine, and associate professor of neurology, without tenure, Department of Neurology, Medical School.



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

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