

Approved by the  
Regents  
May 21, 2015

PROMOTION RECOMMENDATION  
THE UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

Noelle E. Carlozzi, Ph.D., assistant professor of physical medicine and rehabilitation, Department of Physical Medicine and Rehabilitation, Medical School, is recommended for promotion to associate professor of physical medicine and rehabilitation, with tenure, Department of Physical Medicine and Rehabilitation, Medical School.

Academic Degrees:

Ph.D.	2005	Oklahoma State University
M.S.	2003	Oklahoma State University
B.A.	1998	Vassar College

Professional Record:

2010-present	Assistant Professor of Physical Medicine and Rehabilitation, University of Michigan
2008-2010	Assistant Professor, Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry of New Jersey
2007-2010	Research Scientist, Kessler Foundation Research Center, New Jersey
2007-2008	Research Scientist, Indiana University

Summary of Evaluation:

Teaching: Dr. Carlozzi has been actively involved in teaching. Dr. Carlozzi has given numerous formal lectures to residents, fellows, and research staff regarding outcomes measurement and clinical research, including a Grand Rounds lecture to the Department of Physical Medicine and Rehabilitation. With regard to national and international presentations, Dr. Carlozzi has given talks at the International Neuropsychological Society, the Archives for Clinical Medicine and Rehabilitation, and the World Congress for Huntington Disease. In addition, she has been invited to speak in both clinical and scientific departments at institutions such as the University of Iowa, Rehabilitation Institute of Michigan, and Indiana University. She was also an invited speaker at the 2012 State of the Science Conference on Outcome Measurement in Washington D.C.

Research: Dr. Carlozzi has demonstrated a superior track record of research funding since joining the faculty of the University of Michigan and has established herself as an independently funded investigator in the area of outcomes measurement development and application. Dr. Carlozzi is currently the principal investigator for two NIH-funded multi-site studies. Dr. Carlozzi also serves as a co-investigator on several other funded projects. She is also the site PI and co-investigator for a Research Rehabilitation Training Center grant from the Department of Education and is the co-PI for several funded pilot projects. She is a site specific co-PI for an international Huntington disease registry project. Dr. Carlozzi's research success is evident by the rankings she has received from the Blue Ridge Institution's compilation of NIH data for all departments in US medical schools; she was ranked as the 2<sup>nd</sup> highest NIH-funded researcher in a Department of Physical Medicine and Rehabilitation in 2012, and the 4<sup>th</sup> highest funded NIH researcher in a Department of Physical

Medicine and Rehabilitation in 2013. Dr. Carlozzi has had 33 peer-reviewed publications while in her current rank, of which 13 have been as first author. She also has nine additional manuscripts that have been submitted.

#### Recent and Significant Publications:

Carlozzi NE, Stout JC, Mills JA, Duff K, Beglinger LJ, Whitlock KB, Solomon AC, Queller S, Langbehn DR, Johnson SA, Harrington D, Westervelt H, Ross CA, Aylward EH, Paulsen JS, and the Predict-HD investigators of the Huntington Study Group. Estimating premorbid IQ in the prodromal phase of neurodegenerative disease. *The Clinical Neuropsychologist*, 25:757-777, 2011.

Paulsen JS, Nance M, Kim J, Carlozzi NE, Panegyres PK, Erwin C, Goh A, McCusker E, Williams JK, and the PREDICT-HD Investigators of the Huntington Study Group. A review of quality of life after predictive testing for and earlier identification of neurodegenerative diseases. *Progress in Neurobiology* 110:2-28, 2013.

Carlozzi NE, Grech, J, Tulskey DS: Memory functioning in individuals with traumatic brain injury: an examination of the Wechsler Memory Scales-Fourth Edition (WMS-IV). *Journal of Clinical and Experimental Neuropsychology* 35:906-914, 2013.

Carlozzi NE, Tulskey DS: Identification of health-related quality of life (HRQOL) Issues relevant to individuals with HD. *Journal of Health Psychology* 18:212-225, 2013.

Carlozzi N, Tulskey DS, Chiaravalloti ND, Beaumont J, Weintraub S, Conway K, Gershon R: NIH Toolbox Cognition Battery (NIHTB-CB): The NIH toolbox pattern comparison processing speed test. *Journal of the International Neuropsychological Society*, in press.

Service: Dr. Carlozzi has many service roles in and outside the university. She serves on the Research Advisory Committee at PM&R, as well as the Research Operations Committee. She is also a committee member of the Research Board of Directors Clinical Trials Task Force within the University of Michigan Medical School. She also serves as the director for the Center for Clinical Outcomes Development and Application (CODA) housed within the Institute for Health Policy and Innovation. Nationally, she serves as a member of the Early Career Committee for the American Congress of Rehabilitation Medicine and is an ad hoc reviewer for several other journals. She has also been invited to serve as a grant reviewer for an NIH project, as well as for the VA Office of Research and Development. She was also nominated to attend the Early Career Women Faculty Professional Development Seminar organized by the Association of American Medical Colleges in July 2014.

#### External Reviewers:

Reviewer A: "The fact that she participated in the development of the NIH Toolbox alongside far more senior and accomplished researchers is remarkable. Her long list of invited presentations and symposia provide further evidence that her work is being recognized nationally and even internationally."

Reviewer B: "...Dr. Carlozzi has an outstanding record of achievement at the Department of Physical Medicine and Rehabilitation at the University of Michigan medical School that clearly justifies promotion to Associate Professor with tenure. She has established a rich and productive line of research, has an outstanding publication record, and has secured two multi-million dollar NIH R01

grants in an extraordinary competitive funding climate. She is recognized by her professional community as an expert in HRQOL measure development and validation, and has a strong record of service at the national, institutional, and local levels. Honestly, I cannot think of any weakness in this candidate, and her strengths are considerable.”

Reviewer C: “As a scholar and researcher, Dr. Carlozzi’s work has had a significant impact on the field of rehabilitation outcome measurement, particularly in the area of neurological impairments. As a co-investigator on the NIH Toolbox measurement development project that was funded as a part of the NIH Blueprint Initiative, she was a member of the study team that developed measures of cognitive functioning and was responsible in co-leading the development of two new measures designed to examine neuropsychological functioning. [This work helped] establish her as a national expert in health related quality of life measurement in neurological disease.”

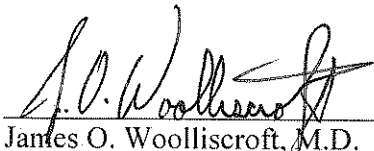
Reviewer D: “She is one of a small group of measurement experts who have advanced modern measurement concepts in our field...In recognition of the impact and quality of her work she is one of the more highly funded rehabilitation researchers.”

Reviewer E: “She has a wide range of publications in peer-reviewed and well-respected journals, including seminal work with regard to test development and validation...Dr. Carlozzi is recognized as an exceptional speaker, as reflected by her many invited presentations.”

Reviewer F: “...Dr. Carlozzi is a superb scientist-educator with skills in all areas of the academic triumvirate – teaching, research and service. Her record of external funding is outstanding for an assistant professor.”

Summary of Recommendation:

Dr. Carlozzi has demonstrated superior performance in research, education and publication. She has secured two NIH-funded R01’s, as well as several smaller projects. She has also established herself as an expert and leader in outcomes measurement development and application within the Medical School through her role as the director of CODA within the Institute for Health Policy and Innovation. Dr. Carlozzi has been an extremely productive and successful faculty member. We anticipate that this momentum will continue and feel fortunate to have her on faculty. I am pleased, therefore, to recommend Noelle E. Carlozzi, Ph.D. for promotion to associate professor of physical medicine and rehabilitation, with tenure, Department of Physical Medicine and Rehabilitation, Medical School.



James O. Woolliscroft, M.D.

Dean

*Lyle C. Roll Professor of Medicine*

May 2015