

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Approved by the
Regents
May 21, 2015

Rodica Busui, M.D., Ph.D., associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School, is recommended for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, Medical School

Academic Degrees:

Ph.D.	2001	University of Timisoara, Timisoara, Romania
M.D.	1987	University of Timisoara, Timisoara, Romania
B.S.	1981	College of Mathematics-Physics, Resita, Romania

Professional Record:

2011-present	Associate Professor of Internal Medicine, University of Michigan
2005-2011	Assistant Professor of Internal Medicine, University of Michigan
2001-2005	Assistant Professor of Medicine & Physiology, University of Toledo (former Medical College of Ohio)
1990-1997	Assistant Professor of Internal Medicine, University of Timisoara, Timisoara, Romania

Summary of Evaluation:

Teaching: Dr. Busui devotes approximately 5-10% of her professional effort to the education and mentoring of undergraduate and graduate students, medical students, residents, and endocrine fellows each year. She teaches a wide variety of topics, from the basics of history taking and physical examination with medical students, to thesis development with Ph.D. candidates. Dr. Busui has also dedicated a considerable amount of time working with the fellows in both the clinical setting as well as mentoring several of them in research. Recently, several have gone on to successfully submit manuscripts and publish under her guidance.

Research: Dr. Busui is an outstanding clinical scientist with national and international recognition in the area of diabetes. In 2013, Dr. Busui was named an honorary member of the Romanian Society of Diabetes, and in 2014, she received the honorary title of *Diabetes Honoris Causa* by the Romanian Society of Diabetes, Nutrition and Metabolic Diseases. She is well known for her exceptional and innovative work on the mechanisms underlying the development of diabetes, with particular emphasis on diabetic cardiovascular autonomic and peripheral neuropathy. She has published 77 manuscripts in high impact peer-reviewed journals (39 while in rank, with 15 as first or senior author while in rank), and has authored 19 book chapters (seven while in rank). Dr. Busui's work has been extremely well funded throughout her career, and she is presently the principal investigator or co-investigator on 14 active grants funded by the NIH, the American Diabetes Association, and private industry. She is a much sought after physician scientist who has presented 88 research abstracts at national and international scientific meetings, and has one patent in process.

Recent and Significant Publications:

Pop-Busui R: What do we know and we do not know about cardiovascular autonomic neuropathy in diabetes. Invited review. *Journal of Cardiovascular Translational Research* 5:463-478, 2012.

Pop-Busui R, Stevens MJ, Raffel DM, White EA, Mehta M, Plunkett CD, Brown MB, Feldman EL: Effects of triple antioxidant therapy on measures of cardiovascular autonomic neuropathy and on myocardial blood flow in Type 1 diabetes. *Diabetologia* 56:1835-1844, 2013.

Pop-Busui R, Lu J, Brooks MM, Albert S, Althouse AD, Escobedo J, Green J, Palumbo P, Perkins BA, Whitehouse F, Jones TLZ: Impact of glycemic control strategies on the progression of diabetic peripheral neuropathy in the bypass angioplasty revascularization investigation 2 diabetes (BARI 2D) cohort. *Diabetes Care* 36:3208-3215, 2013.

Pop-Busui R, Cleary PA, Braffett BH, Martin CL, Herman WH, Low PA, Lima JAC, Bluemke DA and the DCCT/EDIC Research Group: Association between cardiovascular autonomic neuropathy and left ventricular dysfunction in the diabetes control and complications trial/epidemiology of diabetes interventions and complications (DCCT/EDIC) Study. *Journal of the American College of Cardiology* 61:447-454, 2013.

Martin CL, Albers JW, Pop-Busui R: Neuropathy and related findings in the diabetes control and complications trial/epidemiology of diabetes interventions and complications (DCCT/EDIC) study. Invited review for the 30th Anniversary of the Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications Study Special Issue *Diabetes Care* 37:31-38, 2014.

Service: Dr. Busui plays a significant role within the institution, the Department of Internal Medicine and the division. She has served or serves as a member on many committees including the Division of MEND Search Committee, Department of Internal Medicine's Promotions Committee, MSTP Career Advisory Panel, and the MiChart Research Leadership Team. On a broader note, nationally she serves on the American Diabetes Association Clinical Practice Committee and the American Diabetes Association Scientific Meetings Committee. Dr. Busui dedicates time as a member on five different editorial boards and serves as an ad hoc reviewer for numerous journals including *JAMA*, the *Journal of American College of Cardiology*, and *Diabetes and Its Complications*. Dr. Busui is a diabetes specialist who is part of the Hospital Hyperglycemia Service that is leading efforts to successfully develop an integrated Diabetes Complications Clinic using a Patient and Family Centered Care approach. The goal is to provide assistance with treatment plans and use insulin algorithms tailored to maintain more stable glucose levels in patients with the entire spectrum of advanced diabetes complications, with the ultimate goal of reducing risk for severe complications, and thus minimizing hospital admissions.

External Reviewers:

Reviewer A: "Rodica's work in creating operational definitions in this area across large-scale clinical trials is considered by me and others to be seminal."

Reviewer B: "...she has now progressed to be probably the most prominent diabetologist in the United States who is actively researching in the area of diabetic peripheral neuropathy. In the 9 years

that she has worked at the University of Michigan she has an extremely impressive research record both in terms of grant income and of high impact factor publications.”

Reviewer C: “...Dr. Busui is one of the top five clinical researchers in the world in diabetic neuropathy and cardiac autonomic neuropathy. She is a world-reknown [sic] expert in mechanisms and treatments of cardiac autonomic neuropathy and also diabetic polyneuropathy.”

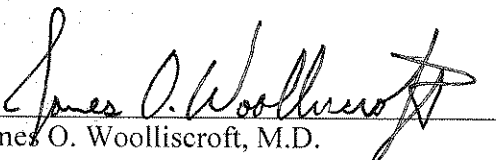
Reviewer D: “Dr. Pop-Busui’s international reputation is evidence [sic] by her many invited lectures the world over, and her invitation to author important review papers, including a high profile review of the DCCT/EDIC neuropathy findings. Her work has been highly collaborative, involving experts from the many fields involved in the research and care of patients with diabetes. She has also been highly engaged in the academic community, locally, nationally and internationally. She serves on multiple important committees, including the Clinical Practice and Program Committees at the ADA, as well as on multiple editorial boards. She has also regularly participated in NIH and foundation study sections.”

Reviewer E: “Her scientific productivity has been outstanding. She has participated in the design and execution of clinical trials to test these mechanisms and to test novel therapies for preventing diabetic complications...She is one of the top international leaders in the field of neuropathies and has enjoyed continuous research funding during the past decade, and is the principal investigator of several NIH grants...I believe that Dr. Rodica Busui is an outstanding clinical scientist and educator with national and international recognition. Her work is innovative and at the forefront of important areas of clinical diabetes research.”

Reviewer F: “Dr. Busui’s [sic] has presented her work at both a national and International venues [sic] and is clearly viewed as a key opinion leader in the field of diabetic neuropathy.”

Summary of Recommendation:

Dr. Busui is an innovative, collegial, and productive faculty member. She is a brilliant scholar who is highly regarded nationally and internationally. She serves the university with distinction, and has demonstrated academic leadership. Therefore, I enthusiastically support Rodica Busui, M.D., Ph.D. for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.


James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

May 2015