

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE
DEPARTMENT OF MOLECULAR AND INTEGRATIVE PHYSIOLOGY

Martin G. Myers, Jr., M.D., Ph.D., associate professor of internal medicine, with tenure, Department of Internal Medicine, and associate professor of molecular and integrative physiology, without tenure, Department of Molecular and Integrative Physiology, Medical School, is recommended for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, and professor of molecular and integrative physiology, without tenure, Department of Molecular and Integrative Physiology, Medical School.

Academic Degrees:

Ph.D.	1997	Harvard University
M.D.	1997	Harvard Medical School
A.B.	1988	Princeton University

Professional Record:

2006-present	Associate Professor of Internal Medicine and Associate Professor of Molecular and Integrative Medicine, University of Michigan
2004-2006	Assistant Professor of Internal Medicine and Assistant Professor of Molecular and Integrative Medicine, University of Michigan
2002-2004	Faculty Member, Program in Biological and Biomedical Sciences, Harvard Medical School
2001-2004	Investigator, Section on Cellular and Molecular Physiology, Elliott P. Joslin Research Laboratory, Joslin Diabetes Center, Boston, MA
1999-2004	Assistant Professor of Medicine, Harvard Medical School
1997-2000	Assistant Investigator, Section on Cellular and Molecular Physiology, Elliott P. Joslin Research Laboratory, Joslin Diabetes Center, Boston, MA
1997-1999	Instructor of Medicine, Harvard Medical School

Summary of Evaluation:

Teaching: Dr. Myers has demonstrated an exceptional teaching ability. He has been involved in teaching in the classroom and in the laboratory. In these settings, he has mentored numerous graduate students and post-doctoral fellows and many have received awards for their scholarly work and have gone on to faculty positions at other universities. He has taught a number of Medical School courses, including Integrative Genomics and Mammalian Reproductive Endocrinology and the Introduction to Laboratory Research Course. In July 2001, he became Director of the Michigan Diabetes Research and Training Center (MDRTC). At the national level, he currently chairs the Integrative Physiology of Obesity and Diabetes Study Section and serves on a number of editorial review panels and editorial boards.

Research: Dr. Myers' research focus is on the biology of leptin. His scientific studies have made monumental contributions to the field and he is regarded as one of the world experts in this area. He has 46 peer-reviewed publications since his promotion to associate professor in 2006 and has published papers in the area of endocrinology in a variety of high-impact journals, including *Nature*, the *Journal of Clinical Investigation*, the *Journal of Neuroscience* and *Cell Metabolism*. Dr. Myers' international reputation is evident in his numerous invited talks and extensive peer-review service. In addition, he has served on the editorial board of three journals. In 2010, he was the recipient of the American Diabetes Association's Scientific Achievement Award, the Association's Scientific Achievement Award from the Obesity Society and the Endocrine Society's Oppenheimer Award in 2011. He currently holds three NIH R01 awards and in 2008 received an NIH Merit research grant of which is the most selective research grant given by the NIH, with less than five percent of NIH-funded investigators selected as recipients. In addition, he was named the Marilyn H. Vincent Professor of Diabetes Research in 2008.

Recent and Significant Publications:

Lam DD, Leininger GM, Louis GW, Garfield AS, Marston OJ, Leshan RL, Scheller EL, Christensen L, Donato Jr J, Xia J, Evans ML, Elias C, Dalley DI, Myers Jr MG[#], Heisler LK[#]: Leptin does not directly affect CNS neurons to influence appetite. *Cell Metab* 13:584-591, 2011. (#Corresponding Authors)

Leshan RL, Opland DM, Louis GW, Leininger GM, Patterson CM, Rhodes CJ, Münzberg HM, Myers MG Jr: VTA leptin receptor neurons specifically project to and regulate CART neurons of the extended central amygdala. *J Neurosci* 30:5713-5723, 2010.

Robertson SA, Ishida-Takahashi R, Tawara I, Hu J, Jones JC, Kulkarni RN, Myers MG Jr: The role of Jak2-dependent signals in leptin action. *Diabetes* 59:782-790, 2010. Epub Jan 12, 2010.

Leininger GM, Jo YH, Leshan RL, Louis GW, Barrera JG, Wilson H, Yang H, Opland D, Faouzi M, Gong Y, Jones JC, Rhodes CJ, Chua Sc Jr, Seeley RJ, Becker JB, Münzberg H, Myers MG Jr: Lateral hypothalamic leptin receptor neurons control the mesolimbic dopamine system and energy balance. *Cell Metab* 10:89-98, 2009.

Bjornholm M, Munzberg H, Leshan R, Villanueva E, Bates SH, Louis GW, Jones JC, Ishida-Takahashi R, Bjorbaek C, Myers MG Jr: Mice lacking inhibitory leptin receptor signals are lean with normal endocrine function. *J Clin Invest* 117:1354-1360, 2007.

Service: Dr. Myers has an exceptional record of service at the University. He has served on numerous preliminary examination and thesis committees and has organized the MEND Research Seminar Series. In addition, he has participated in the Michigan Diabetes Research and Training Center (MDRTC) and Michigan Nutrition Obesity Research Center (MNORC) in a variety of roles. In July, 2011 he became the director of the MDRTC. In addition, he serves on the Graduate Committee for Molecular and Integrative Physiology. Nationally he serves on editorial boards and grant review panels, and now chair's the National Institutes of Health Integrative Physiology of Obesity and Diabetes study section.

External Reviewers:

Reviewer A: “Martin is a leader in a keenly competitive field, a model citizen in this academic world of ours, and – as I am sure you know – a prized target for recruiters of all stripes....He is currently one of a handful of leaders in leptin biology who set the pace for the rest of the field, and whose work is enormously influential and totally dependable.”

Reviewer B: “...he has become one of the world’s experts in the biology of leptin...He leads a vibrant laboratory that is very productive, consistently contributes science of a high impact that is published in the best journals, and is viewed as one of the leaders in his field as reflected by the number of invited reviews he is asked to write....in a world of extremely bright and clever scientists, Martin stands out for his brilliance in conceiving novel and effective methods for resolving difficult research problems.”

Reviewer C: “...I find Dr. Myers to be a true leader and innovator with a proven track record, a mid-career investigator with a superb future ahead, and a most valuable colleague for any top-ranked university. Clearly, he would be deserving of the title of Professor at these, and I support this promotion with highest enthusiasm.”

Reviewer D: “...I have come to believe that he is the most innovative and capable scientists [sic] of his peer group working in the field of the central regulation of homeostasis....Martin’s scientific studies have made monumental contributions to our field....Martin has also served in many capacities on international committees and editorial boards and is regularly invited to give major lectures at international meetings because of the quality of both his science and his superb ability to communicate his findings to others.”

Reviewer E: “Martin is clearly one of the leaders in the field of obesity research and his work has had a tremendous impact....Martin’s work has been important and influential. He plays multiple leadership roles in scientific societies, journals and for the NIH. He does all this with seeming ease and with great collegiality.”

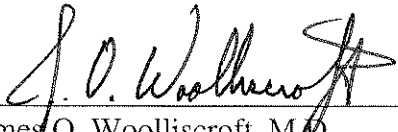
Reviewer F: “...Dr. Myers is a combination of an exceptional research scientist and outstanding colleague and research mentor. He is a creative and resourceful individual that has made and is continuing to make cutting-edge findings on the cell and molecular basis of leptin action critical to our understanding of obesity, insulin resistance and diabetes through the control of food intake and energy expenditure. In addition to his high level of research productivity, he has always committed time for the training of students, mentoring of junior faculty and the development of research programs.”

Reviewer G: “...he has received the Outstanding Scientific Achievement Awards from both the Obesity Society as well as the American Diabetes Association and the Oppenheimer Award from the Endocrine Society, the highest honors that each one of these societies can bestow upon any scientist his [generation].”

Reviewer H: “...Dr. Myers is without doubt the leading scientist of his generation in the field of diabetes, obesity and metabolism research. It is clear that he is destined for even greater discoveries and a continued stellar career.”

Summary of Recommendation:

Dr. Myers is an extremely productive and well-funded investigator who is recognized internationally for his expertise in the biology of leptin. Additionally, he is an outstanding colleague and research mentor and is highly respected for these skills as well as for his extensive service contributions. Therefore, I am pleased to recommend Martin G. Myers, Jr., M.D., Ph.D. for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, and professor of molecular and integrative physiology, without tenure, Department of Molecular and Integrative Physiology, Medical School.



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

May 2012