

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., Assistant Professor of Internal Medicine, Department of Internal Medicine, and Assistant Professor of Molecular and Integrative Physiology, Department of Molecular and Integrative Physiology, Medical School, is recommended for promotion to 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.

Academic Degrees:

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

Professional Record:

2004-Present	Assistant Professor of Internal Medicine and Molecular and Integrative Physiology, University of Michigan
1999-2004	Assistant Professor of Medicine, Harvard Medical School
1997-1999	Instructor of Medicine, Harvard Medical School

Summary of Evaluation:

Teaching: Dr. Myers has been a consistent, high-quality contributor to teaching in his previous position at Harvard Medical School and, more recently, at the University of Michigan. As a faculty member at Harvard Medical School, he participated in teaching the Chemistry and Biology of the Cell course for first-year medical students by serving as a tutorial leader from 1997-2001 and again in 2003. He was consistently one of the most highly rated tutors in the course and was nominated for the Harvard Medical School Prize for Excellence in Teaching in 1998. Beginning in 2003, he participated in the Principles of Pharmacology course for first-year medical students by organizing and lecturing in a minisymposium on the Pharmacology of Diabetes as well as by contributing a chapter to the textbook based upon the curriculum of this course; this minisymposium and Dr. Myers' lecture were very highly rated by students. Since arriving at the University of Michigan, Dr. Myers has lectured on tyrosine kinase signaling in the Introductory Cell Biology course for graduate students and ran a section of an advanced graduate student seminar, "Advanced Topics in Signal Transduction," as well as serving on graduate student preliminary examination committees. Dr. Myers has had the opportunity to train six postdoctoral fellows in his laboratory, is currently mentor to three graduate students, and has successfully competed for a prestigious Mentor-Based Postdoctoral Fellowship Award from the American Diabetes Association; additionally, several fellows have won grant funding under his tutelage.

Research: Dr. Myers' primary area of concentration and excellence is in the area of basic research, where his focus is on the cell biology and physiology of leptin receptor signaling. His

success is clearly demonstrated by the volume and quality of his publications. He has over 55 peer-reviewed primary research publications and over 15 invited reviews to his credit. He is the corresponding author on eight primary publications and eight reviews, which reflect work primarily from his own laboratory. These publications from Dr. Myers' laboratory have appeared in high-impact journals, including *Nature*, *Nature Neuroscience*, *Cell Metabolism*, *Diabetes*, *Molecular and Cellular Biology*, and the *Journal of Biological Chemistry*. He has also collaborated widely with other leaders in his field, resulting in 12 additional peer-reviewed publications since the establishment of his independence. Dr. Myers achieved independent grant funding early on in his career, with an award from the JDF (Juvenile Diabetes Foundation) in 1997, and awards from the NIH beginning in 1999. He currently holds grants from the NIH (both recently renewed) and the American Diabetes Association. In addition, Dr. Myers' expertise is recognized by the frequency with which he is asked to review manuscripts for publications such as *Diabetes*, *Endocrinology*, *Journal of Clinical Investigation*, *Molecular and Cellular Biology*, and *Nature*, among others. He is a highly sought speaker and has presented widely around the country at universities and at symposiums such as the Keystone Symposia. He has also been invited to present at international conferences such as the European Association for the Study of Diabetes Annual Meeting in Budapest, at the Karolinska Institute in Stockholm, and at a Juan March Foundation Symposium in Madrid.

Recent and Significant Publications:

Dunn SL, Bjornholm M, Bates SH, Seifert M, Chen Z, and Myers MG Jr: Feedback inhibition of leptin receptor/Jak2 signaling by Tyr1138 of the leptin receptor and suppressor of cytokine signaling 3. *Mol Endo* 19:925-938, 2005.

Bates SH, Kulkarni RN, Seifert M, and Myers MG Jr: Roles for leptin receptor/STAT3-dependent and -independent signaling in the regulation of glucose homeostasis. *Cell Metabolism* 1:169-178, 2005.

Feener E, Rosario F, Dunn SL, Stancheva Z and Myers MG Jr: Inhibition of Jak2 signaling by tyrosine phosphorylation in the JH2 domain. *Mol Cell Biol* 24(11):4968-78, 2004.

Bates SH, Dundon TA, Seifert M, Maratos-Flier E and Myers MG Jr: LRB \rightarrow STAT3 signaling is required for the neuroendocrine regulation of energy expenditure. *Diabetes* 53(12):3067-3073, 2004.

Bates SH, Stearns WH, Schubert M, Tso AWK, Wang Y, Banks AS, Dundon T, Lavery HJ, Haq AK, Maratos-Flier E, Neel BG, Schwartz MW, and Myers MG Jr: Leptin receptor-STAT3 signaling is required for leptin regulation of energy balance but not reproduction. *Nature* 421(6925):856-859, 2003.

Service: Dr. Myers serves the local and larger academic community in numerous additional capacities. In his previous position at the Joslin Diabetes Center, he was the director of the DERC (Diabetes and Endocrinology Research Center) Molecular Core and organized the weekly Joslin Internal Seminar Series. Since arriving at the University of Michigan, he has served as the organizer of the MEND (Metabolism, Endocrinology and Diabetes) division weekly Research Seminar Series, which features a combination of internal and external speakers. He additionally organized the MDRTC (Michigan Diabetes Research and Training Center) Winter Symposium for 2004-05 and is on the MEND division faculty search committee. Outside of the University

of Michigan, he has served on the study section for the American Heart Association and the American Diabetes Association as well as an ad hoc reviewer for several other organizations. He is a member of the Scientific Sessions Planning Committee of the American Diabetes Association and of the editorial board for the *Journal of Endocrinology*. Dr. Myers is a member of numerous professional societies, and was recently elected to the American Society for Clinical Investigation.

External Review:

Reviewer A: "Martin is...clearly at a level equal to or greater than his academic peers... His publication productivity, in quality and number has been outstanding."

Reviewer B: "While many scientists publish a lot of papers, Dr. Myers has not only published a lot of papers he has consistently published important papers....Dr. Myers has enormous energy and enthusiasm for scientific problems. That enthusiasm is contagious and makes him in high demand because he brings so much to the table....his track record of success would be hard to beat in anyone of comparable seniority."


Reviewer C: "...I can assert without reservation that Dr. Myers is a gifted and extremely productive investigator who is appropriate for this appointment....Dr. Myers would be suitable for promotion to Associate Professor at any university..."

Reviewer D: "It is difficult for me to define a group of peers to whom to compare Dr. Myers, since he is virtually unique in terms of his scholarship and productivity for scientists in this stage of development and studying molecular aspects of obesity. His expertise and intellect are widely recognized in the field, and he is often sought out for formal and informal advice."

Reviewer E: "Dr. Myers is an active mentor and has supervised doctoral students and post-doctoral fellows...and provides a rich learning environment in his laboratory."

Summary of Recommendation:

Dr. Myers is a nationally and internationally recognized expert in the field of leptin receptor signaling and has provided substantial expertise in this area to the field of endocrinology. It is with the highest enthusiasm that I recommend Dr. Martin Myers for promotion to Associate Professor of Internal Medicine, with tenure, and Associate Professor of Molecular and Integrative Physiology, without tenure.



Allen S. Lichter, M.D., Dean
*Newman Family Professor
of Radiation Oncology*

May 2006