

PROMOTION RECOMMENDATION  
UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF SURGERY  
UNIT FOR LABORATORY ANIMAL MEDICINE

Approved by the Regents  
May 14, 2009

Daniel D. Myers, Jr., D.V.M., assistant professor of surgery, Department of Surgery, and assistant professor of laboratory animal medicine, Unit for Laboratory Animal Medicine, Medical School, is recommended for promotion to associate professor of surgery, with tenure, Department of Surgery, and associate professor of laboratory animal medicine, without tenure, Unit for Laboratory Animal Medicine, Medical School.

Academic Degrees:

M.P.H.	2003	University of Michigan
D.V.M.	1997	Tuskegee University
B.S.	1991	University of California, Davis

Professional Record:

2002-present	Assistant Professor of Surgery and Assistant Professor in the Unit for Laboratory Animal Medicine, University of Michigan
2001-2002	Research Investigator, Department of Surgery and Research Investigator in the Unit for Laboratory Animal Medicine

Summary of Evaluation:

Teaching: Dr. Myers has an exemplary record of being a successful and popular teacher. His teaching activities include training seminars at ULAM, research instruction in the Conrad Jobst Vascular Research Laboratories and instruction on the use of animal models in cardiovascular disease. His teaching also includes classroom instruction in ULAM to post-doctoral trainees in comparative medicine and he is currently developing a Vascular Research lecture module for the Program in Biomedical Sciences (PIBS) 507, Introduction to Translational Research, and PIBS 508, Advanced Topics in Translational Research courses for undergraduate students, pre-doctoral students in basic sciences, postdoctoral fellows, and other professionals. Dr. Myers' skills and experience have made him an expert in the instruction in animal models for vascular research. He has trained pre-doctoral students and post-doctoral fellows in these methods, as well as outside academic institutions.

Dr. Myers has been a mentor to several post-doctoral fellows and medical students in the Jobst Vascular Research Laboratory. One of his trainees states "Dr. Myers works with the abilities of his students and allows them to do the actual hands-on work after counseling them on what needs to get done, the importance of each group, the timelines that are needed, and the end goal of the research. Dr. Myers is an excellent teacher and is doing an extraordinary job at developing future researchers."

Research: Dr. Myers has had considerable success in his laboratory investigations regarding the pathogenesis and treatment of venous thrombosis. His research has advanced the use of rodent models of venous thrombosis and has demonstrated the effectiveness of animal modeling in advancing translational research. He currently is the principal investigator for a NIH K01 grant on "Free Radicals Influence the Pathogenesis of Venous Thrombosis." He is co-investigator on a NIH R01 grant with Dr. Wakefield and has secured industry funding to investigate "Therapeutic Effects of a Direct P-Selectin Inhibiting Aptamer on Venous Thrombosis." Finally, Dr. Myers is the lead for the Animal Core in the NIH PPG grant "Novel Targets in Thrombosis and Atherosclerosis." Dr. Myers has authored or co-authored 25 journal publications since his appointment and has contributed four book chapters during that same time. Dr. Myers has presented his work at major academic vascular societies in the United States, where he is recognized as an outstanding researcher.

Recent and Significant Publications:

Baxi S, Crandall D, Meier T, Wroblewski S, Hawley A, Farris D, Elokda H, Mayer S, Schaub R, Wakefield T, Myers D: Dose dependent reduction in thrombogenesis due to oral PAI-1 inhibition with tiplaxtinin in a rat stenosis model of venous thrombosis. *Thrombosis and Haemostasis* 99:749-758, 2008.

Myers Jr. DD, Rectenwald JE, Bedard PW, Kaila N, Shaw GD, Schaub RG, Farris DM, Hawley AE, Wroblewski SK, Henke PK, Wakefield TW: Decreased venous thrombosis with an oral inhibitor of P-selectin. *Journal of Vascular Surgery* 42:329-336, 2005.

Myers Jr. DD, Wroblewski SK, Londy FJ, Fex BA, Farris DM, Hawley AH, Chapman AM, Peterson, DA, Williams DM, Schaub RG, Greenfield LJ, Wakefield TW: New and effective treatment of experimentally induced venous thrombosis with anti-inflammatory rPSGL-Ig. *Thrombosis and Haemostasis* 87:374-382, 2002.

Myers Jr. DD, Henke PK, Wroblewski SK, Hawley AE, Farris DM, Chapman AM, Knipp BS, Thanaporn P, Schaub RG, Greenfield LJ, Wakefield TW: P-selectin inhibition enhances thrombus resolution and decreases vein wall fibrosis in a rat model. *Journal of Vascular Surgery* 36:928-938, 2002.

Myers DD, Farris, DM, Hawley, AE, Wroblewski, SK, Chapman AM, Stoolman, LM, Knibbs, RN, Strieter, RM, Wakefield, TW: Selectins influence thrombosis in a mouse model of experimental deep venous thrombosis. *Journal of Surgical Research* 108:212-221, 2002.

Service: Dr. Myers' administrative responsibilities at the University of Michigan include director of the Jobst Vascular Research Laboratories and he is a member of the University Committee on Use and Care of Animals, where he reviews and approves applications to use vertebrate animals in research, testing and instruction. He periodically serves as the faculty veterinarian of several University of Michigan research buildings and will provide weekend and after hour veterinary medical care for animal species housed on the University of Michigan campuses. Nationally, Dr. Myers has active national memberships with the International Society

of Thrombosis and Haemostasis, The American Venous Forum, and The American Association of Laboratory Animal Science.

External Review:

Reviewer A: “His research ranks in the top 10 percent in my estimation of those performing vascular surgical research at his level.”

Reviewer B: “His research effort and publication track record is exemplary, especially for a laboratory animal veterinarian who has clinical care responsibilities.”

Reviewer C: “...I can comment that veterinary scientists with his particular skill set are rare and ‘valuable’. By ‘skill set’ what I’m referring to is not only the surgical and experimental talents but the combination of this with intellectual ability, curiosity and productivity. We would be placed in a very difficult situation if we had to identify and recruit such an individual with the specific interests and abilities that Dr. Myers has to [my institution].”

Reviewer D: “Through his research, he has proven to be extremely productive in producing peer-reviewed articles reflective of in-depth well performed research. His research regarding selectins and their influence on thrombosis has truly led to opening the doors to understanding the inflammatory process of venous thromboembolism.”

Reviewer E: “He is obviously on the cutting edge of molecular mechanisms involved in the resolution of venous thrombosis. His papers are well written, ask pertinent questions, and are published in excellent journals.”

Reviewer F: “As an educator, he has mentored several residents, fellows, students, and staff towards successful career pathways in vascular biology and surgery research and laboratory animal medicine. He is truly an excellent role model for current and future veterinary clinician-scientists.”

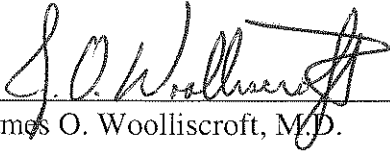
Reviewer G: “Based upon my observations of others in the field at the assistant professor level, he is probably in the top 10% of veterinarians in terms of research funding and publications.”

Reviewer H: “Considering his well-rounded training, chosen area of research, his publication record and his training experience, Dr. Myers is on a trajectory to become a leader in Comparative Medicine and in vascular research using animal models. There is no doubt that he would be promoted to Associate Professor at [my institution].”

Summary of Recommendation:

Daniel D. Myers, Jr., D.V.M. has exhibited outstanding academic and educational productivity. He has published cutting-edge research and has been able to attract extramural funding for research including that from the National Institutes of Health. He has given numerous presentations in regional and national forums. He has a national reputation as a researcher and educator utilizing animal models in vascular research. He has become a totally

independent investigator and is viewed as one of the University of Michigan Medical School's and the Unit for Laboratory Animal Medicine's outstanding mentors of students, residents and post-doctoral fellows. His potential for continued excellence in academic medicine is clear and he will no doubt provide a leading role in advancing the Medical School and ULAM in years to come.

A handwritten signature in black ink, appearing to read "J. O. Woolliscroft", written over a horizontal line.

James O. Woolliscroft, M.D.

Dean

*Lyle C. Roll Professor of Medicine*

May 2009