

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE
DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

Bethany B. Moore, Ph.D., associate professor of internal medicine, with tenure, Department of Internal Medicine, and associate professor of microbiology and immunology, without tenure, Department of Microbiology and Immunology, Medical School, is recommended for promotion to professor of internal medicine, with tenure, Department of Internal Medicine, and professor of microbiology and immunology, without tenure, Department of Microbiology and Immunology, Medical School.

Academic Degrees:

Ph.D.	1992	University of Texas Southwestern Medical Center at Dallas
B.A.	1986	University of Texas at Austin

Professional Record:

2009-present	Associate Professor of Microbiology and Immunology, University of Michigan
2006-present	Associate Professor of Internal Medicine, University of Michigan
2003- 2006	Assistant Professor of Internal Medicine, University of Michigan
2000-2003	Assistant Research Scientist, Department of Internal Medicine, University of Michigan
1997-2000	Research Investigator, Department of Internal Medicine, University of Michigan

Summary of Evaluation:

Teaching: Dr. Moore is involved in teaching at all levels at the University of Michigan including undergraduates, graduate students, post-doctoral fellows and junior faculty. She has contributed extensively through didactic teaching, including developing and teaching the Microbiology 415 "Virology" course for undergraduates since 2005. She also developed the Immunology 851 "Special Topics in Immunology" course for graduate students which she directed from 2006-2009. Dr. Moore also participated in two additional graduate level courses, PIBS 503 where she was a small group facilitator for the discussions on ethics in research and PHARM 502, where she served on a discussion panel for grant writing. In addition to didactic course work, Dr. Moore has served as the primary research mentor for four Ph.D. students and has served on the dissertation advisory committees of 16 additional Ph.D. students. At the post-graduate level, she has been the primary mentor for four M.D. fellows, and two of her Ph.D. students stayed on for post-doctoral training as well. She has also served as a member of the research mentoring committee for seven post-doctoral M.D. or Ph.D. fellows since 2006, and has mentored four junior faculty members. Dr. Moore's teaching evaluations consistently rank her as outstanding.

Research: Dr. Moore's research covers two broad areas: the first is the study of the pathobiology of fibrotic lung disease and the second is the regulation of lung host defense following stem cell transplantation. She has made important contributions to both of these areas and has established a national and international reputation. It should be noted that Dr. Moore's basic science investigations have identified important therapeutic targets that are now under investigation as therapies for human disease. She has 80 peer-reviewed manuscripts with 37 as first or senior author, and has contributed three book chapters with a fourth in preparation. Her publications have been cited over 2200 times with over 350 citations in both 2008 and 2009 and 170 through May 2010. Dr. Moore's history of grant funding is outstanding. Currently, she holds two individual NIH R01 grants and three research contracts with pharmaceutical companies. In addition, she serves as a co-investigator on six additional NIH grants. She has been funded continuously with independent R series NIH grants since 1998. Evidence of her national recognition is exemplified by her nomination as a permanent member of the NIH LIRR study section from 2010-2014, and she has served on other NIH review panels 13 times since 2006. Dr. Moore has also served on the editorial board of three journals and currently is a section editor for the *Journal of Immunology*. She has been a visiting professor or invited speaker numerous times at national and international venues.

Publications:

Bauman KA, Wettlaufer SH, Okunishi K, Vannella KM, Stoolman JS, Huang SK, Courey AJ, White ES, Hogaboam CM, Simon RH, Toews GB, Sisson TH, Moore BB, and Peters-Golden M: Anti-Fibrotic Actions of Plasminogen Activation are Mediated via Upregulation of Prostaglandin E₂ Synthesis. *J Clin Invest* 120:1950-1960, 2010.

Hubbard, LN, Ballinger MN, Thomas PE, Wilke CA, Standiford TJ, Kobayashi KS, Flavell RA and Moore BB: A role for IRAK-M in PGE₂-Induced Immunosuppression Post-Bone Marrow Transplantation. *J Immunol* 184:6299-6308, 2010.

Vannella KM, Luckhardt TR, Wilke CA, van Dyk LF, Toews GB and Moore, BB: Latent herpesvirus infection augments experimental pulmonary fibrosis. *Am J Respir Crit Care Med* 181:465-477, 2010.

Moore BB, Murray LA, Das A, Wilke CA, Herrygers AB and Toews, GB: The role of CCL12 in the recruitment of fibrocytes and lung fibrosis. *Am J Resp Cell Mol Biol* 35:175-181, 2006.

Ballinger MN, Aronoff DM, McMillan TR, Cooke KR, Olkiewicz K, Toews GB, Peters-Golden M and Moore, BB: Critical Role of Prostaglandin E₂ Overproduction in Impaired Pulmonary Host Response Following Bone Marrow Transplantation. *J Immunol* 177:5499-5508, 2006.

Service: Dr. Moore provides outstanding service at the University of Michigan. She chaired the Biomedical Research Council and the University Committee on the Use and Care of Animals. In addition, she served on the selection committee for the University-wide Distinguished Faculty Achievement Awards, the NCRC Program Review Committee, the Advisory Board to the Advance Program in the Medical School, the ULAM Oversight Advisory Committee, the China-UM Lung Task Force, the Immunology program graduate affairs committee, and as a reviewer for the MICHR Pilot grant program. Nationally, she has been very active in the American Thoracic Society and has held leadership roles in that organization. She served as the

chairperson for the Long Range Planning Committee for the Allergy, Immunology and Inflammation (AII) assembly, as Web director for AII, and was elected AII Assembly Program Chair. In this capacity she will be responsible for programming ~1000 assembly abstracts for the international meeting in 2010 as chair-elect and in 2011 as chair.

Recent and Significant Publications:

Reviewer A: “...my assessment is that Dr. Moore’s record of funding, the quality of her research, and her record of service and teaching are all at the level required for the rank of Professor at my institution. She is clearly a leader in her field and has earned an international reputation for her work.”

Reviewer B: “...my overall assessment is that Dr. Moore is a leader in the field, and that her record of research accomplishment is well-suited for her promotion to Professor. I believe that she would be an asset to any institution and she will continue to enrich both the scientific and the training mission of the University of Michigan Medical School.”

Reviewer C: “Dr. Moore’s work is at the forefront of innovation..Her publications are of the highest quality..As evidenced by her many presentations, Dr. Moore is internationally known for both her scientific expertise and her talents as an educator.”

Reviewer D: “...Dr. Moore is an accomplished, independent investigator who has built a very strong research program...She is a recognized leader both nationally and internationally for her investigative skills. She has been an outstanding role model for women in academic medicine... She would certainly qualify for promotion to full professor in the highest academic track here at [my institution].”

Reviewer E: “...Dr. Moore has excelled in every aspect of her career. She is an outstanding researcher leading a world class laboratory...She is extremely well funded with multiple NIH grants. She has evidence of sustained productivity in high impact journals and has clearly made significant contributions to the administrative and teaching missions..”

Reviewer F: “...Dr. Moore’s research has had a significant impact in the area of pulmonary fibrosis and in the area of host defense after bone marrow transplant..She is well published with the majority of her seventy seven peer reviewed papers being published in very high quality journals..I would rank her in the top 10-20% of her peers.”

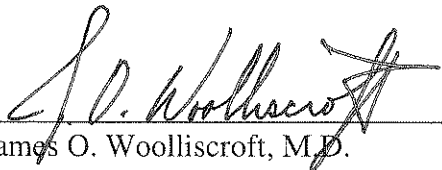
Reviewer G: “...I feel confident in stating that she has had a significant and lasting impact on her field of study...She has carved out a unique niche in the field of fibrosis so I expect to see many new important contributions from her group in the coming years..Based on her established record of excellence, her recognition as a leader, as well as her original contributions to the field, I whole-heartedly recommend her for this promotion to Professor.”

Reviewer H: “Importantly, she has published 34 papers since her last promotion in 2006 and is senior author on approximately half of these manuscripts. This level of productivity puts her at the very top of her peer group...She is on the Editorial Board for several top journals in her field..and serves as a permanent member of an NIH Study Section.”

Summary of Recommendation:

Dr. Moore is an extremely productive and well-funded investigator who is widely regarded for her expertise in both the pathobiology of fibrotic lung disease and the regulation of lung host defense following stem cell transplantation. Not only is she well-known for her scientific contributions, but she is also highly respected for her outstanding skills as a teacher and a mentor. Therefore, Dr. Moore is an exceptional candidate for promotion to professor of internal medicine, with tenure, in the Department of Internal Medicine, and professor of microbiology and immunology, without tenure, Department of Microbiology and Immunology, Medical School.

Recommended by:



James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

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