

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL
DEPARTMENT OF PATHOLOGY

Nicholas W. Lukacs, Ph.D., Associate Professor of Pathology, with tenure, Department of Pathology, Medical School, is recommended for promotion to Professor of Pathology, with tenure, Department of Pathology, Medical School.

Academic Degrees:

Ph.D.	1991	Wayne State University
M.S.	1988	University of New Hampshire
B.A.	1986	Central Michigan University

Professional Record:

2001-Present	Associate Professor of Pathology, University of Michigan
2000-2001	Associate Research Professor of Pathology, University of Michigan
1997-2000	Assistant Research Professor of Pathology, University of Michigan
1996-1998	Lecturer, School of Public Health, Department of Epidemiology, University of Michigan
1993-1997	Research Investigator, Department of Pathology, University of Michigan

Summary of Evaluation:

Teaching: Dr. Lukacs is involved mainly in graduate student education, where he has provided formal lectures in eight different graduate courses, primarily in the Department of Pathology, but also in the Department of Epidemiology in the School of Public Health and for first-year dental students. He has been course director for a course on immune mechanisms of disease in the Department of Epidemiology for the past three years. In addition, he has provided exceptional laboratory training opportunities for graduate students and postdoctoral students and has served on sixteen thesis committees, while being the primary mentor for five of these students. Approximately three students rotate through his laboratory every year, and twelve postdoctoral fellows have been trained by him in the past seven years. He has no significant responsibilities for either medical student or house officer training in pathology. Overall, he is regarded as a very good to excellent teacher.

Research: Dr. Lukacs has developed a national and international reputation for original important contributions in the field of asthma, cytokine biology, and inflammation. His investigations have aided in providing insights in developing treatment strategies for some of

these diseases. He is considered to be an imaginative, clearly thinking, and highly dedicated scientist. His research has been consistently funded from external sources, including the NIH, and he has also received a number of grants from industry. He is currently the principal investigator on three active NIH grants and a co-investigator on three others. His work has resulted in numerous invitations for him to present at national and international meetings and symposia including a Keystone Symposium. His bibliography reflects 168 high quality peer-reviewed publications with 35 published in the past five years, including *Journal of Immunology*, *American Journal of Pathology*, *Journal of Infectious Diseases*, *Journal of Virology*, and the *European Journal of Immunology*. He has also written 43 book chapters and review articles.

Recent and Significant Publications:

Lundy SK, Lira SA, Cook DN, Berlin AA, and Lukacs NW: Attenuation of allergen-induced responses in CCR6^{-/-} mice is dependent upon altered pulmonary T lymphocyte activation. *J Immunol* 174(4):2054-2060, 2005.

Rudd BD, Burstein E, Duckett C, Li X, and Lukacs NW: Differential role of TLR3 in RSV induced chemokine expression. *J Virology* 79(6):3350-3357, 2005.

Oliveira SHP, Taub DD, Nagel J, Smith R, and Lukacs NW: Stem cell factor (SCF) induces eosinophil activation and degranulation: mediator and gene array analysis. *Blood* 100(13):4291-4297, 2002.

Lukacs NW, Prosser DM, Lira SA, and Cook DN: Requirement for the chemokine receptor CCR6 in allergic pulmonary inflammation. *J Exp Med* 194(4):551-556, 2001.

Tekkanat KK, Maassab HF, Cho DS, Lai JJ, Kaplan MH, and Lukacs NW: IL-13-induced airway hyperreactivity and mucous production during respiratory syncytial virus (RSV) infection. *J Immunol* 166(5):3542-3548, 2001.

Service: Dr. Lukacs has served on a number of medical school and departmental committees, including the Curriculum Committee for PIBS (Program in Biomedical Sciences), Admissions Committee for Immunology Graduate Program, Immunology Graduate Program Steering Committee, Advisory Committee on Appointments, Promotions and Tenure (ACAPT), and he is currently a representative for the Pathology Department in the Associate Chairs of Research Committee. He has also served as associate editor and section editor for the *Journal of Immunology*, a section editor for the *Journal of Interferon and Cytokine Research*, and he is on the editorial boards of *Laboratory Investigation* and the *American Journal of Pathology*. In addition, he has been an ad hoc reviewer for numerous other journals. He is also a permanent member of the NIAID Allergy and Immunology, Transplantation Research Committee, and he has been a grant reviewer for the NIH numerous times, the Israel Science Foundation, the Veterans Administration Merit Grant Program, the Canadian Medical Research Council, and the Wellcome Trust Fund Grants of the United Kingdom. It is clear that he has assumed numerous administrative assignments and responsibilities and has made significant administrative contributions in all of these endeavors.

External Review:

Reviewer A: “Professor Lukacs is regarded as a world leader in his field and I believe the award of Professor of Pathology at the University of Michigan would provide the ideal synergy between this eminent biologist and the University to continue this highly fruitful scientific partnership.”

Reviewer B: “The quality of Dr. Lukacs’ research is outstanding....He has made seminal observations on which chemokine receptors may be appropriate targets for asthma, including CCR1 and CCR6. Nick is held with high esteem and is a critical thinker in this field.”

Reviewer C: “Dr. Lukacs’ most seminal recent contributions to the research literature address the role of chemokines and cytokines in regulating airway inflammation in murine models of asthma. His expertise is further reflected by the numerous speaking invitations he has received both nationally and internationally...”

Reviewer D: “He is considered to be both a pioneer and a leader in his research field with an unquestioned international reputation....His international reputation is evidenced by his outstanding publication record and his invitations to give seminars and to speak at numerous national and international meetings over the past several years, and his ability to procure peer-reviewed research funding.”

Reviewer E: “I believe that the academic environment at the University of Michigan is much richer due to his presence there and that the institution is lucky to have a scientist with the high degree of intellect, creativity, integrity and determination that characterize Nick Lukacs.”

Summary of Recommendations:

Dr. Nicholas W. Lukacs is recognized nationally and internationally for his outstanding contributions to chemokine biology, especially in asthma models. His publication record is exemplary. He is on several editorial boards and has been a frequent invitee to participate in NIH study sections. He has taken an active role in graduate and postdoctoral education in the Department of Pathology and in the School of Public Health. His research has been consistently funded, and he has been extraordinarily productive in terms of publications. I enthusiastically recommend him for promotion to Professor of Pathology.



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

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