

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Kevin K. Kim, M.D., assistant professor of internal medicine, Department of Internal Medicine, Medical School, is recommended for promotion to associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.

Academic Degrees:

M.D. 1999 University of Michigan

Professional Record:

2010-present	Assistant Professor of Internal Medicine, University of Michigan
2007-2010	Adjunct Assistant Professor, University of California, San Francisco
2005-2007	Clinical Instructor, University of California, San Francisco

Summary of Evaluation:

Teaching: Dr. Kim is dedicated to training the next generation of physicians and scientists in the clinical setting and in the laboratory. In the clinic, Dr. Kim supervises and teaches medical students, residents and fellow in the outpatient clinic, on the inpatient consult service, in the intensive care unit, and in the medical procedures unit. Dr. Kim also leads small group discussions with the second-year medical students. In the lab, he has served as the primary mentor for four post-doctoral fellows and four post-baccalaureate junior technicians who are currently in, or applying to, medical school as well as actively pursuing careers in research and academics. Additionally, Dr. Kim has served on a number of academic/research advisory committees with the role of supplementing the training of the primary mentor. Dr. Kim also served on the University of Michigan Pulmonary Fellowship Research Committee with the goal of fostering the research training of pulmonary fellows.

Research: Dr. Kim's recent research has focused on cell proliferation and death pathways. Fibrosis is characterized by the loss of epithelial cells and the accumulation of fibroblasts. His laboratory investigates type I collagen signaling with a focus on exploiting differences between the epithelial and fibroblast responses. Dr. Kim currently serves as the principal investigator on an R01 grant studying the role of epithelial-mesenchymal transition during pulmonary fibrosis, and he is serving as a co-investigator on two other R01s. He has just recently received a fundable score on his R01 competitive renewal. In 2015, he was the recipient of the prestigious American Thoracic Society Assembly on Respiratory Cell and Molecular Biology Carol Basbaum Award for outstanding scientific achievement and leadership potential. He has given nine extramural invited presentations since his appointment as an assistant professor. In total, Dr. Kim has received over 65 invitations to speak, chair or facilitate scientific presentations in regional and international venues. He has published 19 peer reviewed publications, nine as first or senior author.

Recent and Significant Publications:

Yang J, Wheeler SE, Velikoff M, Kleaveland KR, LaFemina MJ, Frank JA, Chapman HA, Christensen PJ, Kim KK: Activated alveolar epithelial cells initiate fibrosis through secretion of mesenchymal proteins. *American Journal of Pathology* 183:1559-1570, 2013.

Kleaveland KR, Velikoff M, Yang J, Agarwal M, Rippe RA, Moore BB, Kim KK: Fibrocytes are not an essential source of Type I collagen during lung fibrosis. *Journal of Immunology* 193:5229-5239, 2014.

Yang J, Velikoff M, Canalis E, Horowitz JC, Kim KK: Activated alveolar epithelial cells initiate fibrosis through autocrine and paracrine activation of connective tissue growth factor. *Am J Physiol Lung Cell Mol Physiol* 306:L786-L796, 2014.

Yang J, Velikoff M, Agarwal M, Disayabutr S, Wolters PJ, Kim KK: Overexpression of Id2 attenuates pulmonary fibrosis through regulation of c-Abl and twist. *American Journal of Pathology* 185:1001-1011, 2015.

Wheaton AK, Velikoff M, Agarwal M, Loo TT, Horowitz JC, Sisson TH, Kim KK: Vitronectin RGD motif regulates TGF β -induced alveolar epithelial cell apoptosis. *Am J Physiol Lung Cell Mol Physiol* 310:L1206-L1217, 2016.

Service: Dr. Kim serves as a supervising attending physician in the Critical Care Medical Unit and the Inpatient Pulmonary Consult service for four weeks per year. He has an outpatient clinic one half-day per month and also supervises procedures in the Medical Procedures Unit as an attending for six days per year. On the national level, Dr. Kim serves as a member of the American Thoracic Society Respiratory Cell and Molecular Biology Committee and recently served on the editorial boards of *Clinical Research in Pulmonary*, *Frontiers in Pulmonary Medicine*, and *American Journal of Physiology-Lung Cellular and Molecular Physiology*. He also served on a peer review panel of the 2016 Peer Reviewed Medical Research Program (PRMRP) for the Department of Defense Congressionally Directed Medical Research Programs. Institutionally, Dr. Kim has served as an interviewer for the University of Michigan Internal Medicine Residency Program as well as a member for the University of Michigan Pulmonary Fellowship Research Committee.

External Reviewers:

Reviewer A: "...Dr. Kim's papers are cited on average 83 times per year according to the Web of Science. This is a remarkable level of impact for an early investigator...it is clear that Dr. Kim chooses important problems to address and designs well-controlled experiments to carefully dissect mechanism and advance the field. Another indicator of Dr. Kim's scientific potential is his excellent record of extramural funding. Importantly, Dr. Kim has established an international reputation as evidenced by over 65 invitations to speak, chair or facilitate scientific presentations in regional and international venues. It is noteworthy that three pulmonary fellows have chosen to embark on their own research careers under his tutelage."

Reviewer B: “He has an active and well-funded research laboratory with trainees and very good research output in [the] form of publications. The publications are of excellent quality and have impact in the field. Dr. Kim is a visible member in the community of researchers in pulmonary fibrosis.”

Reviewer C: “Dr. Kim is an extremely gifted investigator who is making important and critical discoveries in respiratory biology, and his work has great potential to impact how we take care of patients with pulmonary fibrosis in the future. Simply put, he is one of the best investigators to come through the pulmonary research community over the past decade.”

Reviewer D: “As a testament for his original and impactful work, as well as productive scientific career, Dr. Kim has secured ample grant funding over the years to support his research endeavors. This successful career path has led to Dr. Kim’s becoming one of the most promising scientists [of his cohort] in pulmonary and a hope for the future cure of lung fibrosis.”

Reviewer E: “...Dr. Kim is an excellent and innovative researcher. He is well-funded and runs a productive research lab. He is serving important functions on an American Thoracic Society committee, and has been invited as expert speaker to other academic centers... I look forward to his continued contributions to pulmonary medicine in the years ahead, and I am delighted to offer my highest recommendation.”

Summary of Recommendation:

Dr. Kim is a promising physician scientist who is dedicated not only to advancing the field of fibrosis research, but to mentoring and teaching the next generation of physician scientists and clinicians. His national reputation is evidenced by his independent R01 funding, invited talks and his service on national committees and study sections. It is for these reasons that I recommend Kevin K. Kim, M.D. for promotion to associate professor of internal medicine, with tenure, Department of Internal Medicine, Medical School.



Marschall S. Runge, M.D., Ph.D.
Executive Vice President for Medical Affairs
Dean, Medical School

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