

Approved by the Regents
May 19, 2011

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Duyen Dang, 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.	1994	Harvard University
B.S.	1989	University of Maryland

Professional Record:

2003-present	Assistant Professor of Internal Medicine, University of Michigan
2001-2003	Assistant Professor of Medicine, Johns Hopkins University

Summary of Evaluation:

Teaching: During her tenure at the University of Michigan, Dr. Dang has taught undergraduate, graduate, and post-doctoral fellows how to perform research in a rigorous scientific manner. She has trained a total of four undergraduate students, one master student, and three fellows on research projects performed in her laboratory, and most of her trainees have attained either an oral presentation at a national meeting or a publication in a prestigious peer-reviewed journal. During the time when she is the attending on service, she teaches pathophysiology and management of digestive diseases to medical fellows, residents, and medical students. In addition, she has taught the technical skills of performing upper and lower endoscopy, capsule endoscopy, dilation, percutaneous feeding tube placement, liver biopsy, and polypectomy to gastroenterology fellows. Her excellent skills and dedication to the teaching mission of the University were acknowledged by the gastroenterology fellows in 2008 when she was given the annual teaching award.

Research: Dr. Dang has focused her studies on critical molecular pathways in colon cancer development and treatment. Her primary focus has been on three genes: CDX2, HIF-1alpha, and VEGF. Her research has focused on the role of these genes in tumor development, vessel formation, and response to therapy. These studies have provided novel insights into how these genes function and has led to novel strategies for cancer therapy. Dr. Dang currently holds two grants, of which one is a prestigious Veterans Affairs Merit Award. Since joining the University in 2003, Dr. Dang has generated 22 peer-reviewed publications. She has given six invited presentations and has been a visiting professor at two academic centers. Dr. Dang is also an ad-hoc reviewer for *Gastroenterology*, *Oncogene*, *Cancer Chemotherapy and Pharmacokinetics*, and the *Journal of Clinical Investigation*.

Recent and Significant Publications:

Burkitt K, Chun SY, Dang DT, Dang LH: Targeting both HIF-1 and HIF-2 in human colon cancer cells improves tumor response to sunitinib treatment. *Molecular Cancer Therapeutics* 8: 1148, 2009.

Dang DT, Chun SY, Abe M, Chen S, Havre P, Ha H, Mabweesh NJ, Heath EI, Vogelzang NJ, Blayney DW, Ensminger WD, St. Croix B, Dang NH, Dang LH: HIF-1 target genes as indicators of tumor vessel response to VEGF inhibition. *Cancer Research* 68:1872-1880, 2008.

Chun SY, Chen F, Washburn JG, MacDonald JW, Innes KL, Cruz-Correa MR, Dang LH, Dang DT: CDX2 promotes anchorage-independent growth by transcriptional repression of IGF1R3. *Oncogene* 26:4725-4729, 2007.

Dang LH, Chen F, Ying C, Chun SY, Knock SA, Appelman HD, Dang DT: CDX2 has tumorigenic potential in the human colon cancer cell lines LOVO and SW48. *Oncogene* 25:2264-2272, 2006.

Dang DT, Chen F, Gardner LB, Cummins JM, Rago C, Bunz F, Kantsevov SV, Dang LH: HIF-1 α promotes nonhypoxia-mediated proliferation in colon cancer cells and xenografts. *Cancer Research* 66:1684-1936, 2006.

Service: Since 2005, Dr. Dang has served on the Gastroenterology Fellowship Committee, the Department of Internal Medicine Residency Committee, and has been a mentor for the University of Michigan Medical School and Health System diversity mentoring program. Dr. Dang is also an abstract reviewer for *Digestive Diseases Week* for the American Gastroenterology Association. She has also served for three years on the AGA committee for research which reviewed over 200 grant applications annually.

Dr. Dang sees gastroenterology patients and performs endoscopic procedures at the University of Michigan Taubman Clinic, the East Ann Arbor Medical Procedures Unit, and the Ann Arbor VA Medical Center. Dr. Dang spends three half days in clinic per week seeing patients. Her area of clinical expertise is in the area of colon cancer screening and occult gastrointestinal bleeding. In addition, she sees patients with digestive diseases related to acid reflux, peptic ulcer disease, celiac sprue, chronic pancreatitis, irritable bowel syndrome, inflammatory bowel disease, and dysmotility.

External Review:

Reviewer A: "Dr. Dang has indeed received excellent training from leading biomedical research institutions and mentors. This training is manifested in the approaches she takes and high standards of rigor she maintains in her independent work."

Reviewer B: "...I am always impressed by Dr. Dang at national meetings and have appreciated her thoughtful reviews of manuscripts for *Gut*...She is always insightful and engaged. She

brings this intelligence and passion for research to this area of study. It has been a sincere pleasure to see her develop into a nationally prominent physician scientist.”

Reviewer C: “I believe that Dr. Dang ranks in the top ten percent of her peers and has established herself in an important research niche with excellent promise to continue to succeed and further excel as a leader in this field....She is very active with our national professional organization and provides important institutional and educational services.”

Reviewer D: “...Dr. Dang’s work is unique and pioneering in that it has brought novel insights not only into the pathogenesis and treatment of colorectal cancer but also towards understanding the biology of transcription factors, and consequently has opened up new fields of investigation for other researchers....Based on her level of scholarship, intelligence, love of teaching, and high level of motivation, I believe that she is a leader in the field of gastrointestinal carcinogenesis.”


Reviewer E: “Apart from being an innovative and productive scientist, Duyen is extremely collegial and collaborative with other scientists and clinicians not only at the University of Michigan, but throughout the country. She is an outstanding teacher, mentor and physician.”

Reviewer F: “...Dr. Dang has established an independent research program and her work is well recognized by her peers in the field. She has established several collaborative relationships resulting in publications in well respected journals. She is a talented teacher and clinician.”

Reviewer G: “Dr. Dang has published numerous reports describing her research in refereed journals, and she has achieved national stature as an expert in the molecular mechanisms of colon carcinogenesis with a particular emphasis on the transcription factors CDX2 and HIF-1.”

Summary of Recommendation:

Dr. Dang is an outstanding physician scientist. She is an educator with exemplary teaching skills and clinical abilities and has developed an internationally recognized research program. She has demonstrated academic growth and leadership and I enthusiastically support her promotion to associate professor, with tenure, in the Department of Internal Medicine.


James O. Woolliscroft, M.D.
Dean
Lyle C. Roll Professor of Medicine

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