

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF SURGERY

Andrew C. Chang M.D., assistant professor of surgery, Department of Surgery, Medical School, is recommended for promotion to associate professor of surgery, with tenure, Department of Surgery, Medical School.

Academic Degrees:

M.D.	1993	Johns Hopkins University
B.S.	1988	Massachusetts Institute of Technology

Professional Record:

2004-present	Assistant Professor of Surgery, University of Michigan
2003-2004	Lecturer, Department of Surgery, University of Michigan

Summary of Evaluation:

Teaching: Dr. Chang is a dedicated educator. He is currently the associate program director for the thoracic surgery residency program for which he coordinates and plans the didactic lecture series, on-line selected readings, and the core curriculum. He is responsible for facilitating the resolution of resident personal issues and coordinates the call schedule. Using C-Tools, he has created an electronic teaching site for residents. He was actively involved in the recent Residency Review Committee site visit. He participates regularly in various educational/interdisciplinary conferences (eg., Tumor Board, Didactic Lecture Series, Death and Complications). He regularly mentors surgery residents, medical and undergraduate students.

Research: Dr. Chang has published 48 peer-reviewed articles and is first or senior author on ten of these. He also has authored 12 book chapters and ten invited editorial reviews. To date, Dr. Chang's major research focus has been the pathogenesis of esophageal and lung cancer. His research has utilized genomic and proteomic approaches for identifying potential markers of chemoresistance in esophageal adenocarcinoma, particularly selenium binding protein-1. He is one of a select group of surgeon-scientists to obtain an NIH Clinical Scientist Development Award (K08) to support his basic research.

Recent and Significant Publications:

Hartojo W, Silvers AL, Thomas DG, Seder CW, Lin L, Rao H, Wang Z, Greenson JK, Giordano TJ, Orringer MB, Rehemtulla A, Bhojani MS, Beer DG, Chang AC: Curcumin promotes apoptosis, increases chemosensitivity and inhibits NF- κ B in esophageal adenocarcinoma. *Transl Oncol* 3:99-108, 2010.

Chang AC, Lee JS, Sawicki KT, Pickens A, Orringer MB: Outcomes following esophagectomy

in patients with prior antireflux or hiatal hernia surgery. *Ann Thorac Surg* 89:1015-23, 2010.

Silvers AL, Lin L, Bass AJ, Chen G, Wang Z, Thomas DG, Lin J, Giordano TJ, Orringer MB, Beer DG, Chang AC: Decreased selenium binding protein-1 (*SELENBPI*) in esophageal adenocarcinoma results from post-transcriptional and epigenetic regulation and affects chemosensitivity. *Clin Canc Res* 16:2009-2021, 2010.

Chang AC, Ji H, Birkmeyer NJ, Orringer MB, Birkmeyer JD: Outcomes after transhiatal and transthoracic esophagectomy for cancer. *Ann Thorac Surg* 85:424-429, 2008.

Zhao J, Chang AC, Li C, Shedden KA, Thomas DG, Misek DE, Giordano TJ, Beer DG, Lubman DM: Comparative proteomic analysis of Barrett's metaplasia and esophageal adenocarcinomas using 2-D liquid mass mapping. *Molec Cell Proteomics* 6:987-999, 2007.

Service: Dr. Chang has had more than 30 invited presentations at local, national or international meetings in the past seven years. He is currently a member of three departmental, three institutional, one regional, and three national committees/organizational services. He has been the recipient of a variety of research awards. Dr. Chang is a gifted technical thoracic surgeon with excellent clinical judgment and patient outcomes. He is the surgical director of the Lung Transplantation Program, which is one of the most active in the country. He is involved with further developing minimally invasive lung and esophageal surgery within the Section of Thoracic Surgery. Dr. Chang operates at both the University of Michigan Medical Center and the Ann Arbor Veterans Administration Hospital.

External Review:

Reviewer A: "He has demonstrated excellence in scholarship, education, and clinical care. He is viewed by members of the thoracic surgery community nationally as a rising star. In addition to being a superb clinical surgeon, he possesses a unique talent of having a viable and vibrant research program that he is building as well."

Reviewer B: "For this stage of his career, I believe his CV is outstanding. It shows a significant interest in contributing to our field, advancing the knowledge in our specialty and is spread out over the time that he has been a faculty member at the University of Michigan. This indicates to me that he can be expected to continue to be productive academically and will continue to be a major contributor to our specialty."

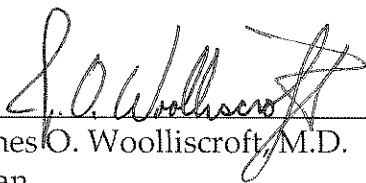
Reviewer C: "As a true surgeon scientist, Dr. Chang has also made numerous important contributions to the literature on the topic of esophageal cancer surgery, especially with regard to the patient selection and technique in transhiatal esophagectomy."

Reviewer D: "Additional recognition of his scholarly activity is in the form of participation in national organizations and committees. The Association of Academic Surgeons, the Society of University Surgeons, and the American Association of Thoracic Surgery are all prestigious national societies that require evidence of significant academic achievement prior to obtaining membership."

Reviewer E: “Andrew’s clinical research emphasis has been on the care of patients with esophageal and lung cancer. Perhaps his most important contributions are his papers on outpatient surgical lung biopsies, esophageal resection outcomes, particularly in the elderly and the obese...At his current academic level, he probably ranks in the top 5% of thoracic surgical colleagues.”

Summary of Recommendation:

I am pleased to recommend the promotion of Andrew Chang, M.D. to associate professor of surgery, with tenure, in the Department of Surgery. He is a gifted thoracic surgeon, and dedicated teacher. He is a tremendous asset to the department and Health System, and we anticipate his continued professional achievements and rising stature in his field.



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

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