

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF CARDIAC SURGERY

Donald S. Likosky, Ph.D., associate professor of cardiac surgery, with tenure, Department of Cardiac Surgery, Medical School, is recommended for promotion to professor of cardiac surgery, with tenure, Department of Cardiac Surgery, Medical School.

Academic Degrees

Ph.D.	2002	Dartmouth College
M.S.	1999	Dartmouth College
B.A.	1994	Emory University

Professional Record

2014-present	Associate Professor of Cardiac Surgery, with tenure, University of Michigan
2012-2014	Associate Professor of Cardiac Surgery, without tenure, University of Michigan
2009-2012	Assistant Professor Health Policy and Clinical Practice, Dartmouth College
2007-2012	Assistant Professor of Surgery, Dartmouth College
2005-2007	Assistant Professor of Community and Family Medicine, Dartmouth College
2004-2005	Instructor of Surgery, Dartmouth Medical School

Summary of Evaluation:

Teaching: Dr. Likosky is an outstanding educator in the areas of health services research, quality, and health policy. He has played an active role in the teaching of staff, graduate students, fellows, residents, and faculty. He has been an effective teacher in the classroom, in intramural lectures and grand rounds as well as an invited speaker at national and international venues. Dr. Likosky has participated in lecturing for the Cardiothoracic Surgery Residency Program and the Cardiovascular Center series. He has served as a primary mentor for medical students and residents receiving their M.Sc. in clinical research.

Research: Dr. Likosky is a leader in the field of cardiovascular epidemiology. His focus is on neurological outcomes following cardiac surgery, improving the value of surgical care, and using administrative data to identify unwarranted variability in clinical practice. He seeks to leverage physician-led quality improvement collaboratives, with the goal of driving changes in cardiac surgical care and developing best practices. Dr. Likosky has been involved in the International Consortium for Evidence-Based Perfusion, conducting research to improve the delivery of care and outcomes of patients undergoing circulatory support. He developed and directs the largest multicenter perfusion registry (PERForm), which currently includes 70,000+ records from 43 United States hospitals. This registry is the official registry of the largest perfusion society in the world. He has received funding from the National Institutes of Health, Blue Cross Blue Shield, AHRQ and institutional grants for his research. Dr. Likosky has published more than 130 peer-reviewed articles and has been invited to present his research on 101 occasions regionally, nationally and internationally.

Recent and Significant Publications:

Thompson MP, Pagani FD, Liang Q, Franko LR, Zhang M, McCullough JS, Strobel RJ, Aaronson KD, Kormos RL, Likosky DS: Michigan Congestive Heart Failure Investigators. Center Variation in

Medicare Spending for Durable Left Ventricular Assist Device Implant Hospitalizations. *JAMA Cardiol.* Jan 30, 2019.

Likosky DS, Harrington SD, Cabrera L, DeLucia A 3rd, Chenoweth CE, Krein SL, Thibault D, Zhang M, Matsouaka RA, Strobel RJ, Prager RL: Collaborative Quality Improvement Reduces Postoperative Pneumonia After Isolated Coronary Artery Bypass Grafting Surgery. *Circ Cardiovasc Qual Outcomes.* Nov;11(11), 2018.

Likosky DS, Van Parys J, Zhou W, Borden WB, Weinstein MC, Skinner JS: Association Between Medicare Expenditure Growth and Mortality Rates in Patients With Acute Myocardial Infarction: A Comparison From 1999 Through 2014. *JAMA Cardiol* 3(2): 114-122, 01/2018.

Brescia AA, Rankin JS, Cyr DD, Jacobs JP, Prager RL, Zhang M, Matsouaka RA, Harrington SD, Dokholyan RS, Bolling SF, Fishstrom A, Pasquali SK, Shahian DM, Likosky DS, Michigan Society of Thoracic and Cardiovascular Surgeons Quality Collaborative: Determinants of Variation in Pneumonia Rates After Coronary Artery Bypass Grafting. *Ann Thorac Surg* 105(2): 513-520, 01/2018.

Likosky DS, Al-Attar PM, Malenka DJ, Furnary AP, Lehr EJ, Paone G, Kommareddi M, Helm R, Jin R, Maynard C, Hanson EC, Olmstead EM, Mackenzie TA, Ross CS, Zhang M: Geographic variability in potentially discretionary red blood cell transfusions after coronary artery bypass graft surgery. *J. Thorac. Cardiovasc. Surg.* 148(6): 3084-3089, 01/2014.

Service: Dr. Likosky has served as the chair of the New England Vascular Study Group advisory committee, and as the director of the International Consortium for Evidence-Based Perfusion. He is a member of the Quality Committee of the state-based Michigan Society of Thoracic and Cardiovascular Surgeons Quality Collaborative, involving all 33 sites performing cardiac surgery in Michigan. Dr. Likosky has been voted into leadership positions by his peers at The American Heart Association and The Society of Thoracic Surgeons and has volunteered for many other committees. He is the Medical School representative of the University of Michigan Senate Assembly. He serves on a National Institutes of Health study section, and is a member of the editorial board of the *Journal of ExtraCorporeal Technology*.

External Reviewers:

Reviewer A: "...Dr. Likosky's academic contributions have accelerated with a multitude of high quality national presentations and peer reviewed publications in our most respected journals...He has mentored several residents and research associates, the majority of whom have successfully presented at our national meetings and published in our journals...He is recognized at a state and national level as a professional with an excellent academic reputation and one producing papers using the best methodologic principles...he represents the ideals of the Department and the University in a highly respectful light. His thoughtful comments and insights are representative of an academic leader in our specialty...based on contributions of education, teaching, and scholarship, I would give my highest recommendation for the promotion of Donald Likosky to Professor with tenure..."

Reviewer B: "...He has been extremely active in all pillars of academia...these recent and ongoing grants are evidence of his high stature in the field...His impressive list of peer-reviewed articles (>120) during his career is also a testament to the contributions that he has made in his field...It is clear that he unequivocally meets the criteria of having an international reputation in the field...he

clearly excels not only in research, but he is also a superb lecturer and teacher...When I consider the breadth and depth of his publications, the multiple million dollars of NIH funding that he has received over the years and the contributions that he has made...he unequivocally would meet the level of professor (with tenure) at my institution.”

Reviewer C: “...The criteria for promotion to professor in the Instructional Track at the University of Michigan Medical School...emphasized demonstration of *continued* scholarship, productive research, contributions to teach and organizational services, and evidence of a national reputation. Based upon my personal knowledge and review of his dossier, Dr. Likosky has met these requirements...Since his appointment to associate professor at your institution in 2012, he has been remarkably and continually active in all spheres...I am impressed with the important contributions Likosky has made to collaborative research and teaching to other disciplines...Thus I believe, without any reservations, that Dr. Likosky merits promotion to Professor.”

Reviewer D: “...he has distinguished himself as an outstanding health services researcher, evaluating neurologic outcomes in the field of cardiothoracic surgery...an advocate for quality improvement in cardiovascular medicine and has been an active investigator in that space...an NIH funded investigator and he has continued his research addressing variation in healthcare-associated infections in patients with mechanical circulatory support...He is a recognized faculty member for medical students and post-doctoral fellows and has received numerous teaching awards...I believe that Dr. Likosky warrants consideration for promotion to Professor with Tenure, given his extraordinary academic productivity, scholarship, extramural funding, and his mentorship of students and residents in the field.”

Reviewer E: “...Donald is an invaluable and critical team member for the research efforts of the Department of Cardiac Surgery at the University of Michigan...He has been instrumental in the development and implementing clinical registries to evaluate cardiovascular care...incredible number of peer-reviewed publications, many of which have been very impactful for the practice in cardiovascular surgery world-wide...Donald is an incredible individual and is an incredible asset to the field of cardiac surgical research...enthusiastically support his promotion for Professor with Tenure (Instructional Track)...”

Summary of Recommendations:

Dr. Likosky is an outstanding Ph.D. epidemiologist working in a clinical department who has achieved excellence in teaching, research and service and has specifically gained international recognition as an outcomes researcher in the field of cardiovascular health. I am pleased, therefore, to recommend the promotion of Donald S. Likosky, Ph.D. to professor of cardiac surgery, with tenure, Department of Cardiac Surgery, Medical School.



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