

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF UROLOGY

David C. Miller, M.D., assistant professor of urology, Department of Urology, Medical School, is recommended for promotion to associate professor of urology, with tenure, Department of Urology, Medical School.

Academic Degrees:

M.P.H.	2005	University of Michigan
M.D.	1999	Washington University, St. Louis
B.S.	1995	University of Michigan

Professional Record:

2008-present	Assistant Professor of Urology, University of Michigan
2006-2008	Clinical Instructor in Urology, David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA
2005-2007	Clinical Lecturer, Department of Urology, University of Michigan

Summary of Evaluation:

Teaching: Since arriving at the University of Michigan in 2008 after completing fellowships in health services research (HSR) and urologic oncology at the University of California, Los Angeles, Dr. Miller developed and refined a curriculum for the Urology Health Services Research Resident and Fellow Didactics. This curriculum includes weekly group meetings, monthly literature reviews, ad hoc individual meetings, and an annual retreat. Dr. Miller spends approximately 10% of his time on teaching. He serves as a small group facilitator and discussion leader for the M2 sequence on medical decision-making, faculty mentor for M1 and M2 Clinic Visit programs, and as a faculty lecturer in the Academic Surgeon Development Program summer lecture series (25 hours/year). Dr. Miller supervises M3 and M4 students on the wards and in the operation room as attending surgeon during their elective rotation (10 hours/year). In addition, he has a very strong commitment to the instruction of residents in the Cancer Center Clinic where he focuses on the diagnosis of urologic cancers, counseling patients regarding options for therapy, and management of the long-term sequelae of cancer and its treatment. He additionally instructs in the operating room on urologic cancer surgery and principles of post-operative management (300 hours/year). In 2010, Dr. Miller received the Department of Urology's Silver Cystoscope Award for excellence in urology resident education. He has also mentored residents who have spent their research year in the HSR Division resulting in successful grant funding and at least eight peer-reviewed manuscripts with residents as first-author. He spends approximately 300 hours/year mentoring urology fellows in HSR and instructing urologic oncology fellows in the clinic, operating room, and on the wards. In

addition, he lectures regionally and nationally to physicians on prostate and kidney cancer, has presented at grand rounds at other institutions, and spoke at the 2012 International Kidney Cancer Symposium (50 hours/year for CME teaching). Dr. Miller's teaching also includes Health Services Researchers (20 hours/year), Nursing and Allied Health (5 hours/year), and patient education (5 hours/year).

Research: Dr. Miller's curriculum vitae lists 103 peer-reviewed publications (he is first or senior author on 42), seven non peer-reviewed publications, seven book chapters, and 37 selected abstracts. Clearly one sees evidence of *team science* in his work, but his hand is strong in almost everything published with his name. His interests are in the areas of health services research, physician organization and the efficiency of surgical care, physician-led collaborative quality improvement, technology adaption for surgical treatment of early-stage kidney cancer, and the development and validation of quality of care indicators for early-stage prostate cancer. Dr. Miller currently serves as the principal investigator on three grants which include the American Urological Association Foundation Rising Star in Urology Research Award, a K08 award from the Agency for Healthcare Research and Quality Mentored Clinical Scientist Development Award, as well as the Blue Cross Blue Shield of Michigan Urological Surgery Improvement Collaborative.

Recent and Significant Publications:

Miller DC, Ruterbusch J, Colt JS, Davis FG, Linehan WM, Chow W, Schwartz K: Contemporary clinical epidemiology of renal cell carcinoma: insight from a population based case-control study. *J Urol* 184:2254-2258, 2010.

Miller DC, Dimick JB, Gust C, Birkmeyer JD: Large variations in Medicare payments for surgery highlight savings potential from bundled payment programs. *Health Affairs* 30:2107-2115, 2011.

Miller DC, Murtagh DS, Suh RS, Knapp PM, Schuster TG, Dunn RL, Montie JE: Regional collaboration to improve staging practices among men with early stage prostate cancer. *J Urol* 186:844-849, 2011.

Tan HJ, Norton EC, Ye Z, Hafez KS, Gore JL, Miller DC: Long-term survival following partial vs radical nephrectomy among older patients with early-stage kidney cancer. *JAMA* 307:1629-1635, 2012.

Hollingsworth JM, Saint S, Sakshaug JW, Hayward RA, Zhang L, Miller DC: Physician practices and readiness for medical home reforms: policy, pitfalls and possibilities. *Health Services Research* 47:486-508, 2012.

Service: Dr. Miller is a member of eight professional societies including the Society of Urologic Oncology, the American Society of Clinical Oncology, and Academic Health to name a few. He serves as an ad hoc peer-reviewer for 13 journals such as *The Journal of the American Medical Association*, *CANCER*, *Journal of Urology*, as well as a reviewer for the Research Programs for the Prostate Cancer Foundation of Australia. At the University of Michigan, Dr. Miller serves on

the Faculty Group Practice Revenue Cycle Advisory Committee RVU Subcommittee, and the Medical School Dean's Award for Clinical Research. Nationally he serves on the American Urological Association (AUA) Annual Meeting Abstract Review Committee, moderator of the AUA Annual Meeting Comprehensive Cancer Center Network, Prostate Cancer Guidelines Committee; and serves on the Urological Surgery Quality Collaborative, Executive Committee. Dr. Miller's clinical practice involves caring for patients with urologic cancers at the University of Michigan Comprehensive Cancer Center while his surgical practice is focused on the care of patients with prostate and kidney cancer.

External Reviewers:

Reviewer A: "He has had a remarkable career with a great deal of grant support. He has been awarded a Rising Star in Urology Research Award from the American Urologic Association and also has a Mentored Clinical Scientist Developmental Award (K08) for his work with physician organization and efficiency. David has published his research work widely with 101 peer reviewed manuscripts, eight non-peer reviewed manuscripts and 37 book chapters. I have reviewed some of his outstanding work and found it to be very enlightening and quite excellent."

Reviewer B: "David has contributed immensely to the urologic health services field. His work in establishing regional collaboratives to decrease over-utilization of imaging low risk prostate cancer is of utmost importance in decreasing health care costs and improving the quality of care delivered. Additionally, David's grantsmanship and academic productivity place him among the top 5%, if not top 1%, of his contemporaries. He has a national reputation and has served as reviewer for top journals....David is a star in our field....I expect him to be a leader in our field for quite some time."

Reviewer C: "Dr. Miller's contributions have had a significant impact in the field of outcomes and health services research within urology. He has developed a singular focus on evaluating practice patterns particularly for renal cell carcinoma with the adoption of laparoscopic and robotic surgery....He has also pioneered a unique approach to enhancing guideline implementation and adoption amongst private practice physicians in the state of Michigan, which is now being looked at as a model in other states....In terms of his clinical skills he is focused on urologic oncology and is garnering a reputation for his work in the field of kidney cancer. In terms of both his clinical and scholarly activity, I believe he is well above his peers who are of a comparable level of experience."

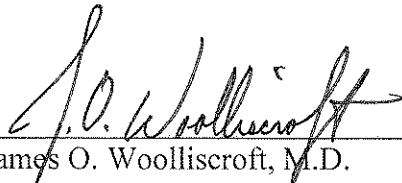
Reviewer D: "A perusal of his CV reveals an impressive list of publications, awards, and teaching activity. Most notably, 98 peer reviewed articles at his stage of career places him in what I imagine is the top decile for his peers....Dr. Miller is principal investigator on three grants (two extramural, one intramural) one of which is a K08 award....His training pedigree is impressive and has obviously laid a firm foundation for his successful academic career. In short Dr. Miller's accomplishments in my opinion provide ample evidence of excellence in his chosen area garnering him a national reputation."

Reviewer E: "He has undisputedly distinguished himself as an outstanding and innovative clinician, researcher and educator. An outstanding urologic surgeon and health services teacher,

Dr. Miller maintains a phenomenally active clinical practice, research portfolio and publication record. His research has addressed and contributed to our understanding of prostate cancer and improvement of the quality of care provided to men affected by this disease, as well as of healthcare delivery systems and their impact on patient care and healthcare costs. He is highly competitive in obtaining grant funding...In summary, Dr. Miller is widely-renowned as a highly-skilled and prolific physician-scientist whose contributions in education, research, and service have proven to be of immense value and impact...He is a unique and valuable asset to academic medicine..."

Summary of Recommendation:

Dr. Miller is truly a rising star in the fields of urologic oncology and health services research. He is a superb clinician, educator, citizen, and researcher. I wholeheartedly recommend David C. Miller, M.D. for promotion to associate professor of urology, with tenure, Department of Urology, Medical School.



James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

May 2013