

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF ORTHOPAEDIC SURGERY

Bruce S. Miller, M.D., assistant professor of orthopaedic surgery, Department of Orthopaedic Surgery, Medical School, is recommended for promotion to associate professor of orthopaedic surgery, with tenure, Department of Orthopaedic Surgery, Medical School.

Academic Degrees:

M.S.	2007	University of Michigan
M.D.	1995	Harvard University
A.B.	1990	Harvard University

Professional Record:

2005-present	Assistant Professor of Orthopaedic Surgery, University of Michigan
2002-2005	Lecturer, Department of Orthopaedic Surgery, University of Michigan

Summary of Evaluation:

Teaching: Dr. Miller has distinguished himself as an outstanding teacher. He is very active in orthopaedic surgery, leading the Orthopedic Sports Medicine Fellowship Training Program. This fellowship has rapidly grown into one of the most desired and prestigious post-residency programs in the country. We have attracted outstanding candidates and sent over half of our graduates into academic positions following their training here. Dr. Miller has twice been voted as the recipient of the residents' teaching award which helps demonstrate the impact he has had. His commitment to teaching is extensive and impactful. He has been involved with the second-year musculoskeletal teaching segment and has reached out to physical medicine and rehabilitation residents in addition to his teaching within orthopaedic surgery. On a national level, he has been invited to present at many national educational programs and courses. Reviews from his teaching have been strong.

Research: Dr. Miller has a good and growing program in scholarly publication. He has 36 peer-reviewed publications along with nine non-peer reviewed papers or book chapters, and a large number of published abstracts. A number of these have had significant impact in the field and they have been completed in parallel with his significant commitment to service and education. Dr. Miller has thoughtfully prepared himself for long-term success in orthopaedic research. In addition to his outstanding graduate and post residency training, he has completed his master's degree in clinical research design as part of the K30 Program at Michigan. This was followed by participation in the mentored clinical scientist development program (K-12). He has already had some success demonstrated by his receipt of a career development award from the American Orthopaedic Society for Sports Medicine (AOSSM) and the awarding of a competitive, large internal research grant to study rotator cuff disease. His scholarly efforts have been recognized as

exceptional by several awards for research. He received the Excellence in Research Award and the O'Donoghue Sports Injury Research Award as well as a Career Development Award from the American Orthopaedic Society for Sports Medicine. He has also been selected to be a traveling fellow in two of the specialties most prestigious programs. First, he was a traveling fellow in the AOSSM program, visiting the Pacific Rim in 2007 and, more significantly, he was selected to the prestigious American British Canadian Traveling Fellowship to be conducted next year. This fellowship is the most highly selective program in orthopaedic surgery and is awarded to those with great promise and emerging leadership in the field.

Recent and Significant Publications:

Miller BS, Srinivasan RC, Seybold JD, Salata MJ: An analysis of the orthopaedic in-training examination sports section: The importance of reviewing the current orthopaedic subspecialty literature. *J Bone Joint Surg Am* 92:778-782, 2010.

Miller BS, Downie B, McDonough BE, Wojtys EM: Complications after medial opening wedge high tibial osteotomy. *Arthroscopy: Journal of Arthroscopic and Related Surgery* 25:639-646, 2009.

Miller BS, Dorsey WOP, Bryant CR, Austin JC: The Effect of lateral cortex disruption and repair on the stability of the medial opening wedge high tibial osteotomy. *American Journal of Sports Medicine*. 33:1552-1557, 2005.

Miller BS, Joseph TA, Noonan TJ, Horan MP, Hawkins RJ: Rupture of the subscapularis tendon after shoulder arthroplasty: Diagnosis, treatment, and outcome. *J Shoulder Elbow Surg* 14:492-496, 2005.

Miller BS, Taylor B, Widmann RF, Bae DS, Snyder BD, and Waters PM: Cast immobilization versus percutaneous pin fixation of displaced distal radius fractures in children, a prospective, randomized study. *J Pediatr Orthop* 25:490-494, 2005.

Service: Dr. Miller has distinguished himself across several areas of service. This includes clinical service to patients and student athletes at Michigan, service and leadership in the sports medicine fellowship training program, and service at the national level with important roles in several national societies as well as national teams. To begin with, Dr. Miller is an outstanding and technically skilled orthopaedic surgeon with a good bedside manner. He has earned a great clinical reputation both locally and nationally. He has become a "go to" surgeon for many of the complex and high-profile conditions, specifically in the areas of shoulder and knee surgery. His clinical service is also extended to the University's student-athletes. He is a team physician at the University of Michigan and currently serves as the lead team physician for University of Michigan football and several other sports. This is a significant dedication of time, often on nights and weekends, and for minimum compensation or recognition. He has extended his service commitments and expertise to the national level as well, serving as a team physician for USA rugby. In this role, he is represented the University of Michigan internationally as an expert in sports injuries. In addition to his clinical service, he has also been an active and respected participant in national academic programs within the orthopaedic and subspecialty professional societies. He has served as peer reviewer for the Orthopaedic Research and

Education Foundation, participated in drafting the American Academy of Orthopaedic Surgeons consensus statement on shoulder conditions, and served both on the Research Committee and the Council of Delegates (as an elected member) of the American Orthopaedics Society of Sports Medicine. He is recognized as an emerging national leader for these efforts and for his thoughtful contributions. He has demonstrated significant leadership potential and is well positioned to take on major leadership roles in these organizations in the future. He has also been an active contributor to journal reviews and is a member of the editorial board of two subspecialty journals including the *American Journal of Sports Medicine*, which is a journal with the highest impact factor in the field.

External Review:

Reviewer A: “Dr. Miller’s involvement in national peer organizations has been exemplary. He is a leader in the American Orthopaedic Society for Sports Medicine (AOSSM) having been selected for the prestigious AOSSM Traveling Fellowship in 2007 and more recently received a Career Development Award in 2008....Dr. Miller was just selected to represent the American Orthopaedic Association (AOA) as an ABC Traveling Fellow--this is perhaps the most prestigious traveling fellowship of all and indicates the level of respect he has achieved from many different organizations.”

Reviewer B: “...Bruce has clearly demonstrated that he is an orthopaedic surgeon with a national stature and international recognition. He has been rewarded and recognized by his peers for his contributions in research and his trainees in education. He is a recognized leader in academic sport medicine at the University of Michigan and in several national committees, journals and national organizations.”

Reviewer C: “Dr. Miller has received a remarkable number of honors during his relatively brief career....These honors reflect Dr. Miller’s distinguished national status among practitioners and academicians in the recognized sub-specialty of Orthopaedic Sports Medicine.”

Reviewer D: “It is impressive that Bruce has been as productive as he has, building a regionally recognized clinical shoulder practice, building his academic career completing his masters degree, attaining grants and being productive publishing manuscripts from his research, all while being a Team Physician, which as you know has its significant demands above and beyond those any other academic physician may have....being a Team Physician, especially at a powerhouse athletics program like Michigan, has responsibilities and duties which can consume ones nights and weekends and require being on call 24-7.”

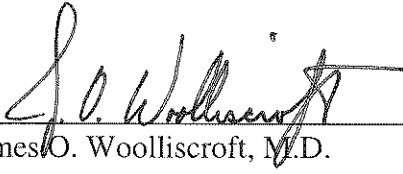
Reviewer E: “He has won the Teaching Award at the University of Michigan twice in his brief career; he is recognized by a major publication for the sports medicine training of residents in a JBJS article; and from his involvement in courses, his lectures on a national and regional level, he is a master teacher. His impact will be felt for generations to come as during his career he will educate probably 60 to 80 orthopaedic surgeons.”

Reviewer F: “Bruce is already an exceptional leader in the field of orthopaedic sports medicine. I expect that in the future he will rise to national leadership of our societies in addition to continuing his outstanding clinical research.”

Reviewer G: “In addition to his clinical training, he completed a Master’s of Public Health in Clinical Research Design and Statistical Analysis. These qualifications make him unique among academic surgeons in his field....Dr. Miller enjoys an outstanding reputation among sports medicine and shoulder and elbow specialists.”

Summary of Recommendation:

Bruce S. Miller, M.D. is an outstanding faculty member who has become a recognized figure in the field nationally, and positioned himself to be a leader in clinical research as well as national service. He is an outstanding educator and a tremendous asset for the University of Michigan. I am pleased to recommend him for promotion to associate professor, with tenure, in the Department of Orthopaedic Surgery.



James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

May 2011