

Borelli Award Winner



James A. Ashton-Miller, Ph.D., is The Albert B. Schultz Collegiate Research Professor and a Distinguished Research Scientist affiliated with the Departments of Mechanical Engineering, Biomedical Engineering, and Internal Medicine, and the Institute of Gerontology, at the University of Michigan, Ann Arbor.

Dr. Ashton-Miller received his BSME from the University of Newcastle-upon-Tyne in England, an MSME from MIT, and a PhD from the University of Oslo, Norway in 1982. After working at the University of Illinois at Chicago he was recruited to the University of Michigan in 1983.

His research has principally addressed the etiology of unintentional injuries in the population, partly because they cost the country billions of dollars in direct and indirect costs each year. This includes research on the etiology of back injuries; neuromuscular aging, balance and falls in the elderly; the pathomechanics of ACL injuries in athletes; and the etiology of birth-related injuries in women.

Professor Ashton-Miller directs the Biomechanics Research Laboratory and is Associate Director of the Bone and Joint Injury Prevention and Rehabilitation Center at the University of Michigan that was started with a \$5m donation. He has authored over 170 peer-reviewed papers, 15 book chapters and mentored 23 doctoral theses. He and his students have received over a dozen national and international awards for their research. He has served as a member of several NIH study sections in the field of aging, was elected president of the American Society of Biomechanics in 2001, and in 2008 served as Meeting Chair for the North American Congress of Biomechanics. He consults to the NCAA and a number of Fortune 500 companies.