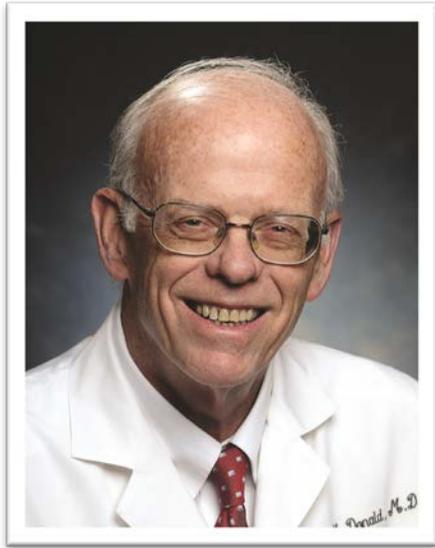




American Society for Investigative Pathology
Investigating the Mechanisms of Disease
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Jay M. McDonald, MD Receives the ASIP 2011 Gold Headed Cane Award



Dr. Jay M. McDonald, former Chair and current Professor of the Department of Pathology at the University of Alabama at Birmingham (UAB) and Director of the UAB Center for Metabolic Bone Disease, will receive this year's ASIP Gold-Headed Cane Award. This is the most prestigious honor granted by ASIP to a member, in recognition of long-term contributions to pathology, including meritorious research, outstanding teaching, excellence in the field, and leadership in pathology.

Dr. McDonald's research activities include understanding and characterizing basic mechanisms of bone resorption, cellular pathogenesis of AIDS, and cancer pathogenesis. More specifically, Dr. McDonald has studied the role of calcium, the calcium receptor protein calmodulin, and related protein kinases and phosphatases in osteoporosis and metabolic bone disease. In addition, he has explored the pathogenesis of apoptosis and bone loss in AIDS, and malignant transformation, tumorigenesis, and apoptosis of cancer cells. Dr. McDonald has utilized a combination of biochemistry, cell biology, and molecular biology techniques to elucidate the critical signal transduction pathways involved in each of the diseases with the ultimate goal of modulating key signal transduction pathways as potential new avenues for therapy.

Dr. McDonald has been Director of the UAB Center for Metabolic Bone Disease for numerous years. The Center is internationally recognized, and Dr. McDonald has "masterfully integrated clinical medicine and research, as exemplified by the bone center," according to Dr. David Wilkinson of Virginia Commonwealth University's Department of Pathology.

As explained by Dr. Peter Ward of the University of Michigan Medical School, Dr. McDonald is "an extraordinarily gifted teacher and holds medical students, graduate students, postdoctoral fellows and others to the highest standards and works tirelessly to help each individual to achieve his or her full potential." Dr. Ward goes on to describe Dr. McDonald's teaching style as down-to-earth and straightforward, and his clinical activities management as exemplary.

Dr. Kevin Roth, current Chair of Pathology at UAB, offers several comments regarding Dr. McDonald's career that reflect his "character and passion for the field of Pathology." These observations include Dr. McDonald's mentorship of academic pathologists, his commitment to institutional excellence, and his devotion to pathology scholarship via his tenure as Editor-in-Chief of *The American Journal of Pathology*. Dr. Roth also notes that Dr. McDonald's influence on the UAB Department of Pathology was "incredible." During his chairmanship from 1990-2008, the department "arose out of relative obscurity to become one of the leading departments of pathology in the country," due to Dr. McDonald's "drive and vision put into practice," setting forth an "example of the impact an effective Chairperson can have..." While the number of faculty increased significantly, the department also went from having only a handful of NIH grants to ranking in the top ten Departments of Pathology for NIH funding. The graduate program is the largest and one of the highest-ranked programs in the country as well. According to Dr. Roth, "none of this would have been accomplished without Jay's intense focus on academic excellence and his untiring efforts to recruit and retain outstanding students, staff, residents, and faculty. Jay McDonald was a transformative figure in the history of the

School of Medicine at UAB." As stated by Dr. C. Bruce Alexander of UAB, Dr. McDonald "has created a considerable research presence in academic Pathology," and "is truly a leader in Pathology administration, service, education, and research."

As Editor-in-Chief of *The American Journal of Pathology* from 2003-2008, Dr. McDonald put forth outstanding effort in a demanding position. He instituted many new features and policies, raised publication standards, expanded the range of publications, and strengthened the editorial board, all serving to progressively improve the Journal's impact factor, and increase the journal's visibility and prestige.

Dr. McDonald received his MD (with distinction) in 1969 from Wayne State University. After completing a medical internship at University of Oregon Medical School and a Pathology residency at Wayne State University and Detroit Affiliated Hospitals, he completed postdoctoral training at Washington University School of Medicine, where he joined the faculty from 1976-1990. Dr. McDonald was then appointed Chair of the Department of Pathology at University of Alabama at Birmingham (1990-2008). He is currently Director of the UAB Center for Metabolic Bone Disease.

Dr. McDonald was awarded the Gold-Headed Cane, a mahogany cane with a 14-karat gold head and engraved band, at the ASIP Annual Meeting in Washington, DC on Monday, April 11, 2011 during the ASIP Awards Presentation and Membership Business Meeting.