

Jerrold T. Bushberg, Ph.D.



(“at-large” member)

Dr. Jerrold T. Bushberg is a Clinical Professor of Radiology and Radiation Oncology at the University of California (UC) Davis School of Medicine. He is an expert on the biological effects, safety, and interactions of ionizing and nonionizing radiation, and holds multiple radiation detection technology patents.

Dr. Bushberg is an elected fellow of the American Association of Physicists in Medicine, and of the Health Physics Society. He currently serves as the Senior Vice President, and Chairman of the Board, of the National Council on Radiation Protection and Measurements. He is certified by several national professional boards, with specific subspecialty certification in radiation protection and medical physics.

Dr. Bushberg was awarded the Warren K. Sinclair Medal for Excellence in Radiation Science by the NCRP in 2014. Prior to coming to the UC Davis Health System as technical director of Nuclear Medicine, Dr. Bushberg was on the faculty of Yale University School of Medicine, where his research was focused on radiopharmaceutical development.

Dr. Bushberg has served as an advisor to government agencies and institutions throughout the nation and around the world, on the biological effects and safety of ionizing and nonionizing radiation exposure. He has worked for the U.S. Department of Homeland Security, the World Health Organization, and the International Atomic Energy Agency, as a subject matter expert in radiation protection and radiological emergency medical management. Dr. Bushberg has responsibility for medical postgraduate education in medical physics, radiation (ionizing and nonionizing) protection, and radiation biology. The third edition of the textbook, "The Essential Physics of Medical Imaging", authored by Bushberg, Seibert, Leidholdt, and Boone, is used extensively by radiology residency programs through the United States.