

John M. Boone, Ph.D.



ABMP BoD Member
(at-large member)

John M. Boone, Ph.D., received his undergraduate degree in biophysics from UC Berkeley and his PhD in medical physics from University of California Irvine. He is currently professor and vice chair (for research) in the department of radiology at University of California Davis, and he is professor of biomedical engineering as well.

Dr. Boone has published extensively on radiation dose in breast imaging and whole body computed tomography, using Monte Carlo and other techniques for assessment. He has developed four breast CT scanners, and over six hundred women have been scanned on these research systems. Many of his recent publications address the technical and clinical aspects of breast CT, in comparison to other breast imaging modalities.

Dr. Boone has been awarded fellow of a number of societies, including the American Association of Physicists in Medicine (AAPM), Society of Breast Imaging (SBI), the American College of Radiology (ACR), the American Institute for Medical and Biological Engineering (AIMBE), and the Society of Photo-optical Instrumentation Engineers (SPIE). He was also awarded the Distinguished Investigator Award by the Academy for Radiology and Biomedical Imaging Research. Dr. Boone served in the presidential chain of the AAPM from 2014 to 2016. He is a commissioner of the International Commission on Radiation Units and Measurement (ICRU).