

# John M. Boone, Ph.D.

<b>Clinical Interests</b>	<p>Dr. Boone is a medical physicist in the Department of Radiology, and he is board-certified by the American Board of Radiology and diagnostic radiological physics.</p> <p>He has research interests in the development of medical imaging technology, and has developed four breast CT scanners under NIH funding, and has evaluated the performance of breast CT on over 600 patients. He is also interested in radiation dosimetry, and has published extensively on this topic in mammography and computed tomography.</p>
<b>Title</b>	<p>Professor Vice Chair of Research, Radiology</p>
<b>Specialty</b>	<p><a href="#">Cancer</a>, <a href="#">Radiology</a>, Radiology Physics</p>
<b>Department</b>	<p><a href="#">Radiology</a></p>
<b>Division</b>	<p>Radiology Physics</p>
<b>Center/Program Affiliation</b>	<p><a href="#">UC Davis Comprehensive Cancer Center</a></p>
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<b>Education</b>	<p>M.S., UC Irvine, Irvine CA 1981 Ph.D., UC Irvine, Irvine CA 1985 B.A., UC Berkeley, Berkeley CA 1979</p>
<b>Fellowships</b>	<p>Health Care Affiliates, Inc., Laguna Hills CA 1983-1985</p>
<b>Board Certifications</b>	<p>American Board of Radiology, Diagnostic Radiological Physics, 1988</p>
<b>Professional Memberships</b>	<p>American Association of Physicists in Medicine (Fellow) American College of Radiology (Fellow) American Institute for Medical and Biological Engineering (AIMBE) Society of Breast Imaging (Fellow) The International Society for Optical Engineering (SPIE)</p>

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### Select Recent Publications

Aminololama-Shakeri S, Abbey CK, Gazi P, Prionas ND, Nosratieh A, Li CS, Boone JM, Lindfors KK. Differentiation of ductal carcinoma in-situ from benign micro-calcifications by dedicated breast computed tomography. *Eur J Radiol.* 2016 Jan;85(1):297-303.

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Lee J, Nishikawa RM, Reiser I, Boone JM, Lindfors KK. Local curvature analysis for classifying breast tumors: Preliminary analysis in dedicated breast CT. *Med Phys.* 2015 Sep;42(9):5479-89.

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Lamba R, McGahan JP, Corwin MT, Li CS, Tran T, Seibert JA, Boone JM. CT Hounsfield numbers of soft tissues on unenhanced abdominal CT scans: variability between two different manufacturers' MDCT scanners. AJR Am J Roentgenol. 2014 Nov;203(5):1013-20.

Morin RL, Seibert JA, Boone JM. Radiation dose and safety: informatics standards and tools. J Am Coll Radiol. 2014 Dec;11(12 Pt B):1286-97.

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