Ramsey D. Badawi, Ph.D.

Clinical Interests
Dr. Badawi is a medical physicist specializing in positron emission tomography. His current research interests include dedicated breast PET/CT, high resolution multi-modality imaging of the wrist, large axial field of view PET scanners and imaging of response to cancer therapy. Dr Badawi's research is currently funded by the NIH, the Rusch Fund for Nuclear Medicine and Philips.

Title
Associate Professor
Director of Nuclear Medicine Research

Specialty
Cancer, Radiology, Radiology - Nuclear Medicine, Radiology Physics

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Education
Ph.D., University of London, London, 1998
B.S., University of Sussex, Brighton, United Kingdom, 1987
M.S., University of Sussex, Brighton, United Kingdom, 1988

Fellowships
University of Washington Medical Center, Seattle, Washington, 1998

Professional Memberships
American Association of Physicists in Medicine
IEEE Nuclear and Plasma Sciences
Society for Nuclear Medicine
Society for the Internet in Medicine

Honors and Awards
Madame Curie Radiological Sciences Lectureship (Massachusetts College of Pharmacy and Health Sciences), 2002
Fellowship of The Society for the Internet in Medicine, 1999

Select Recent Publications
Ferrero A, Poon JK, Chaudhari AJ, Macdonald LR and Badawi RD. Validation of scatter fraction estimation methods for PET - a computer simulation study. IEEE Trans. Nucl. Sci. 58(1):82-86, 2011
Monsky WL, Garza AS, Kim I, Loh S, Greasby TA, Li C-S, Fisher J, Sandhu P, Sidar V, Chaudhari

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AJ, Lin F, Deutsch L.-S. and Badawi RD. Treatment Planning and Volumetric Response Assessment for Yitrium 90 Radioembolization: Semi-Automated Segmentation of Liver Volume and Volume of Tumor Necrosis in Patients with Hepatic Malignancy Cardiovasc. & Int. Radiol. 34(2): 306-318, 2011

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Chaudhari AJ, Ahn 5, Levenson R, Badawi RD, Cherry SR and Leahy RM. Excitation spectroscopy in multispectral optical fluorescence tomography: methodology, feasibility, and computer simulation studies. *Phys. Med. Biol.* 54:4687-4704, 2009

Wu V, Bowen SL, Vang K, Packard NJ, Fu L, Burkett GW, Qi J, Boone JM, Cherry SR and Badawi RD. Characteristics of the PET Component of a Dedicated Breast PET/CT Scanner Prototype. *Phys. Med. Biol.*, 54:4273-4287, 2009

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