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Following graduate training in nuclear chemistry at the University of Maryland and postdoctoral work in nuclear physics at the University of Tennessee, he first joined the Radioactivity Group at NIST in 1995. From 2003-2006, he was detailed to the International Atomic Energy Agency (IAEA) as a Medical Radiation Physicist. During that time, he initiated several new programs in Nuclear Medicine Physics, including one aimed at developing guidance and educational materials for training medical physicists in developing countries and another which helps extend measurement traceability for radioactivity measurements in nuclear medicine in developing countries.

His main research interests are in the fields of nuclear spectroscopy, radionuclide metrology, Monte Carlo applications in radionuclide metrology and medical physics, internal dosimetry, and medical imaging physics. His current research is focused on developing the necessary metrological tools to enhance the quantification capabilities of PET-CT. He has over 75 peer-reviewed publications and several book contributions.

He currently serves on a number of international metrology committees, as well as on AAPM and QIBA subcommittees dedicated to quantitative PET. He has served as Editor-in-Chief of the journal *Applied Radiation and Isotopes* since 2004.