Dr. Yang completed her Radiology residency and obtained specialist accreditation with the Royal College of Radiologists (United Kingdom) in 1992. From 1992 to 2002, she worked as a breast radiologist in the Chinese University of Hong Kong, where she served as Chief of Breast Imaging (1993 to 1997) and General Ultrasound (1995 to 2001). She obtained tenure as an Associate Professor in Radiology, the Chinese University of Hong Kong, in 2001. In addition, she was on the examining board of the Royal College of Radiologists (U.K.) in 1999 and 2000.

Dr. Yang joined the University of Texas, M.D. Anderson in January 2002, and was promoted to Professor in September 2010, where she has focused her work in all aspects of breast imaging, including screening and diagnostic mammography, ultrasonography, MRI, and breast intervention using mammographic, US, and MRI guidance. She was appointed Chief, Section of Breast Imaging in 2007, and Deputy Chair, Department of Diagnostic Radiology, in 2008. At the University of Texas, M.D. Anderson, her research focuses on novel imaging techniques. She has made contributions in: 1) a pilot study in understanding the molecular pathways and gene expression patterns associated with increased mammographic density; 2) positron emission mammography (PEM) for monitoring tumor response to neoadjuvant treatment; and 3) high-resolution fiber-optic microendoscopic imaging of cellular metastases in axillary nodes in collaboration with Rice University Bioengineering.

Dr. Yang is the Principle Investigator (PI) on two Career Development Grants from the Breast SPORE, and is a co-investigator at the University of Texas, M.D. Anderson on one of the clinical trials involved in the Susan G. Komen Promise Grant awarded jointly to the Baylor College of Medicine and the University of Texas, M.D. Anderson. She is the Director of the Imaging Core of the Morgan Welch Inflammatory Breast Cancer Research Program at M.D. Anderson, which was a recipient of the Komen Promise grant. She has published more than 100 peer-reviewed articles and authored more than 10 book chapters.