BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Wen-Tung Wang, Ph.D.	Senior Research Associate, Hoglund Brain Imaging Center
eRA COMMONS USER NAME	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Fu Jen Catholic University, Taiwan	B.S.	1985	Physics
Tsing Hua University, Taiwan	M.S.	1990	Physics
University of North Carolina, Chapel Hill, NC	M.S	1999	Biomedical Engineering
University of North Carolina, Chapel Hill, NC	Ph.D.	2001	Biomedical Engineering

A. Positions and Honors

Professional Experience

1990-1992 Lecturer, Kuang Wu Junior College of Technology, Taiwan
1996-2001 Research Assistant, Biomedical Engineering Dept., University of North Carolina, Chapel Hill, NC
2001 Postdoctoral Fellow, Biomedical Engineering Dept., University of North Carolina, Chapel Hill, NC
2001-2003 Research Fellow, Magnetic Resonance Research Laboratory, Mayo Clinic
2003-2006 Research Scientist, Dept. of Biomedical Engineering, University of Virginia, Charlottesville, VA
2006-present Senior Research Associate, Hoglund Brain Imaging Center, KUMC, Kansas City, KS
2005- Reviewer: IEEE Transactions on Medical Imaging

B. Peer-reviewed publications

FULL PAPERS

Tsui B M W, Wessell D E, Zhao X D, **Wang W T**, Lewis D P, and Frey E C. Imaging characteristics of scintimammography using parallel-hole and pinhole collimators. IEEE Transactions on Nuclear Science 45(4):2155-2161, 1998

de Jong H, **Wang W T**, Frey E C, Viergever M A, and Beekman F J. Efficient simulation of SPECT down-scatter including photon interactions with crystal and lead. Medical Physics 29(4):550-560, 2002

Du Y, Frey E C, **Wang W T**, Tocharoenchai C, Baird W H, and Tsui B M W. Combination of MCNP and SimSET for Monte Carlo simulation of SPECT with medium- and high-energy photons. IEEE Transactions on Nuclear Science 49(3):668-674, 2002

Wang W T, Frey E C, Tsui B M W, Tocharoenchai C, and Baird W H. Parameterization of Pb X-ray contamination in simultaneous Tl-201 and Tc-99m dual-isotope imaging. IEEE Transactions on Nuclear Science 49(3):680-692, 2002

Du Y, Frey E C, **Wang W T**, and Tsui B M W. Optimization of Acquisition Energy Windows in Simultaneous ^{99m}Tc/^{123}I Brain SPECT. IEEE Transactions on Nuclear Science 50(5): 1556-1561, 2003

Song X, Frey E C, **Wang W T,** Du Y, and Tsui B M W. Validation and Evaluation of Model-Based Crosstalk Compensation Method in Simultaneous ^{99m}Tc Stress and ^{201}Tl Rest Myocardial Perfusion SPECT**.** IEEE Transactions on Nuclear Science 51(1):72-79, 2004

Tocharoenchai C, Tsui B M W, Frey E C, and **Wang W T**. Effect of Attenuation Correction on Lesion Detection Using a Hybrid PET System. Journal of The Medical Association of Thailand 88(1):96-102, 2005

Wang W-T, Tsui B M W, Lalush D S, Tocharoenchai C and Frey E C. Optimization of Acquisition Parameters in Simultaneous Tl-201 and Tc-99m Dual Isotope Myocardial SPECT Imaging. IEEE Transactions on Nuclear Science 52(5):1227-1235, 2005

Wang W, Grimm R C, and Riederer S J. A Modified Projection Reconstruction Trajectory for Reduction of Undersampling Artifacts. Journal of Magnetic Resonance Imaging 21(2):179-186, 2005

Wang W-T, Hu P and Meyer H C. Estimating Spatial Resolution of In Vivo Magnetic Resonance Images Using Radiofrequency Tagging Pulses, Magnetic Resonance in Medicine (in press)

CONFERENCE PAPERS

Chang K H, Lee C P, Wu J S, Liou D C, Wang W T, Chen J P, and Chen L J. Correction factor of Aluminum Composition in $Al_xGa_{1-x}As$ Determined by RHEED Intensity Oscillation during Molecular Beam Epitaxy Growth. International Electron Devices and Materials Symposium. Hsinchu, Taiwan, 1990

Wang W T, Luh S W, and Chang S L. Study of X-ray Diffraction from Superlattices. The Fourth Asia Pacific Physics Conference. Seoul, Korea, p596-599, 1990

Wang W T, Tsui B M W, Frey E C, and Wessell D E. Comparison of an Analytical and an Iterative Reconstruction-Based Collimator-Detector Response Compensation Method in SPECT. Proceedings of 1998 IEEE Nuclear Science Symposium and Medical Imaging Conference. Toronto, Canada. , pp 1397-1392, Novermber 1998

Wang W T, Frey E C, Tsui B M W and Tocharoenchai C. A Model-Based Crosstalk Compensation Method for Simultaneous Tl-201 and Tc-99m Dual Isotope Myocardial SPECT Imaging. IEEE Nuclear Science Symposium Conference Record, p2209-2213, 2001

Du Y, Frey E C, Wang W T, and Tsui B M W. Optimization of Acquisition Energy Windows in Simultaneous $^{99m}Tc/^{123}I$ Brain SPECT. IEEE Nuclear Science Symposium Conference Record, p1018-1022, 2002

Song X, Frey E C, Wang W T**,** Du Y, and Tsui B M W. Validation and Evaluation of Model-Based Crosstalk Compensation Method in Simultaneous ^{99m}Tc Stress and ^{201}Tl Rest Myocardial Perfusion SPECT. IEEE Nuclear Science Symposium Conference Record, p1370-1374, 2002

C. Research Support

None to date