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郭华
教授、博士生导师

郭华 教授，博士生导师

Hua Guo, Ph.D.

Professor,

Department of Biomedical Engineering

2006年毕业于美国杜克大学生物医学工程系，曾在Siemens公司,香港大学和美国纽约加盟清华大学前曾任美国纽约大学放射系助理教授。在核磁共振领域有超过10年的Siemens和Philips)上的序列开发。目前研究方向包括宏观到微观的血流成像，非对比机制与高速序列的研究，定量磁共振成像新采集方法的研究等。

Hua Guo received his Ph.D. from the department of biomedical engineering at Duke University School of Medicine, he was an assistant professor in department of radiology Siemens and the University of Hong Kong.

Research Interests:

- Macroscopic to microscopic blood flow imaging
- Innovative acquisition methods for quantitative MRI
- Contrast mechanism and high speed imaging for functional MRI
- Non-contrast MRI vessel imaging

Selected Publications:

1. Hua Guo, Wing-Yan Au, Jerry S. Cheung, Jens H. Jensen, Daniel Kim, Pek-Lan Khong Truman R. Brown, Wynnie W.M. Lam, Shau-Yin Ha, Gary M Brittenham, Ed X. Wu, He patients with thalassaemia major at 3T. Journal of Magnetic Resonance Imaging, 23:394-4
2. Tracy Chow, Jerry Cheung, Yin Wu, Hua Guo, Ed X. Wu, Measurement of common c using MR TrueFISP cine imaging. Journal of Magnetic Resonance Imaging, 28:1527-1532
3. Kevin C Chan, Qing-ling Fu, Hua Guo, Kwok-fai So, Ed X Wu, Gd-DTPA enhanced M glaucoma. Experimental Eye Research, 87(4):334-41, 2008.
4. Jerry Cheung, April Chow, Hua Guo and Ed X. Wu, Microbubbles as a novel contrast . 2009.

5. Wentao Liu, Donglin Zu, Xin Tang and Hua Guo, Target-field method for MRI biplana
Applied Physics, 40(15): 4418-4424, 2007.
6. Allen W. Song, Hua Guo, Trong-Kha Truong, Single-shot ADC imaging for fMRI. Mag
2007.
7. Bin Chen, Hua Guo, and Allen W. Song, Correction for direction-dependent distortion i
Neuroimage, 30(1):121-129, 2006.
8. Hua Guo, Allen W. Song, Spiral-in-and-out functional image acquisition with embedde
Journal of Magnetic Resonance Imaging, 18: 389-395, 2003.
9. Liewei Sha, Hua Guo, Allen W. Song, An improved gridding method for spiral MRI usi
Magnetic Resonance, 162(2): 250-8, 2003.

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