

Tess Armstrong

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Current Position:

9/2012-present **Ph.D. Student**
Advisor: Dr. Holden Wu
Biomedical Physics, University of California Los Angeles, Los Angeles, CA
Research Interests: Quantitative Imaging, Fat-Water-Separation and Quantification, Non-Cartesian Imaging

Education

8/2012-5/2014 **M.S. in Biomedical Physics**
David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA

8/2008-5/2012 **B.S. in General Engineering Science**
College of Engineering, University of Miami, Coral Gables, FL
Magna Cum Lade

8/2008-5/2012 **B.S. in Physics, Minors in Chemistry and Mathematics**
College of Arts and Sciences, University of Miami, Coral Gables, FL
Cum Lade

Experience

3/2015-6/2015 **Teaching Assistant**
PBM229, Advanced Topics in MRI
University of California, Los Angeles, CA

9/2013-present **Research Assistant**
Advisor: Dr. Holden Wu
Magnetic Resonance Research Laboratory
University of California, Los Angeles, CA

3/2013-6/2013 **Research Assistant**
Advisor: Dr. Anand Santhanam
Radiation Therapy Laboratory
University of California, Los Angeles, CA

8/2011-5/2012 **Research Assistant**
Advisor: Dr. Niel Johnson
Physics Laboratory
University of Miami, Coral Gables, FL

6/2011-8/2011 **Research Assistant**

Advisor: Dr. Sonja Dieterich
AAPM Summer Undergraduate Research Fellowship
Radiation Therapy Laboratory
Stanford University, Palo Alto, CA

Professional and Academic Societies

International Society of Magnetic Resonance in Medicine
Phi Beta Kappa Honors Fraternity
University of Miami PRISM Honors Program
Golden Key Honor Society
Alpha Lambda Delta Honors Fraternity

Qualifications

08/2013 American Board of Radiology, Medical Physics, Part 1

Honors/Awards

ISMRM Educational Stipend	2015, 2016
NIH Training Grant	2012-2014
Joseph Hirschberg Prize in Physics	2012
University of Miami President's Honor Roll	2008-2012
University of Miami PRISM Honors Program	2008-2012
University of Miami General Honors Program	2008-2012

Abstracts/Publications

Tess Armstrong, Isabel Dregely, Alto Stemmer, Yutaka Natsuaki, and Holden Wu, Free-Breathing Liver Fat Quantification Using an Undersampled Multi-Echo 3D Stack-Of-Radial Technique, ISMRM 24th Annual Meeting 2016, Suntec City, Singapore. Page: 3837

Magna Cum Lade at ISMSM, 2016

Tess Armstrong, Isabel Dregely, Fei Han, Ziwu Zhou, Kyung Sung, Peng Hu, and Holden Wu, Free-Breathing Fat-Water-Separated Liver MRI Using a Multi-Echo 3D Stack-Of-Stars Technique, ISMRM 23rd Annual Meeting 2015, Toronto, Canada. Page: 0143

Magna Cum Lade at ISMSM, 2015

X. Sharon Qi, Anand Santhanam, John Neylon, Yugang Min, **Tess Armstrong**, Ke Sheng, Robert J. Staton, Jason Pukala, Andrew Pham, Daniel A. Low, Steve P. Lee, Michael Steinberg, Rafael Manon, Allen M. Chen, Patrick Kupelian, Near Real-Time Assessment of Anatomic and Dosimetric Variations for Head and Neck Radiation Therapy via Graphics Processing Unit--based Dose Deformation Framework. **Published in Int. Journal of Radiation Oncology, Biology, Physics, 2015.** Pages: 415-422