

David G. Mummy

CONTACT INFORMATION	714 Hill St. #1 Madison, WI 53705	www.dgmummy.com david@dgmummy.com
RESEARCH INTERESTS	Applications of hyperpolarized gas MRI and CT in obstructive lung diseases, particularly asthma.	
EDUCATION	University of Wisconsin , Madison, WI Ph.D., Biomedical Engineering, <i>Expected</i> : Summer 2018 <ul style="list-style-type: none">• Thesis Topic: <i>Defining Asthma Phenotypes in Asthma Using CT and Hyperpolarized Gas MRI</i>• Advisor: Sean B. Fain, Ph.D M.S., Biomedical Engineering, January 2015 Seattle University , Seattle, WA M.B.A., June 2011 Whitman College , Walla Walla, WA B.A., Mathematics and Physics (Double Major), May 2006	
RESEARCH EXPERIENCE	Research Assistant Department of Medical Physics, University of Wisconsin-Madison Supervisor: Sean B. Fain, Ph.D	September 2013 to present
PUBLICATIONS	<ol style="list-style-type: none">1. E. Adamson, K. Ludwig, D. Mummy, S.B. Fain. "Magnetic resonance imaging with hyperpolarized agents: methods and applications". <i>Physics in Medicine and Biology</i> (2017). doi: 10.1088/1361-6560/aa6be8.2. Wei Zha, David J. Niles, Stanley J. Kruger, Bernard J. Dardzinski, Robert V. Cadman, David G. Mummy, Scott K. Nagle, and Sean B. Fain. "Semiautomated Ventilation Defect Quantification in Exercise-induced Bronchoconstriction Using Hyperpolarized Helium-3 Magnetic Resonance Imaging: A Repeatability Study". <i>Academic Radiology</i> (2016).3. V. Shankaran, D. Mummy, L. Koepl, A. Bansal, D. Mirick, E. Yu, R. Morlock, S. Ogale, and S. Ramsey. "Survival and lifetime costs associated with first-line bevacizumab use in older patients with metastatic colorectal cancer". <i>Oncologist</i> 19:892-899, 20144. V. Shankaran, D. Mummy, L. Koepl, D. Blough, Y. M. Yim, E. Yu, S. Ramsey. "Adverse events associated with Bevacizumab and chemotherapy in older patients with metastatic colorectal cancer". <i>Clin Colorectal Cancer</i> 2013; 12(3): 2042135. B. Goulart, C. Reyes, C. Fedorenko, D. Mummy, S. Satram-Hoang, L. Koepl, D. Blough, S. Ramsey. "Referral and treatment patterns among patients with stages III and IV non-small cell lung cancer". <i>Journal of Oncology Practice</i>, 9, 42-50. doi:10.1200/JOP.2012.0006406. B. Goulart, M. Bensink, D. Mummy, S. Ramsey. "Lung cancer screening with low-dose computed tomography: costs, national expenditures, and cost-effectiveness". <i>Journal of the National Comprehensive Cancer Network: JNCCN</i>. 01/2012; 10(2): 267-275.	

BOOK CHAPTERS	1. “Hyperpolarized Gas MRI of the Lung in Asthma”. Sean B. Fain, David G. Mummy , Ronald L. Sorkness. Hyperpolarized and Inert Gas MRI: From Technology to Application in Research and Medicine. Academic Press, 2016 [In press].
AWARDS	<p>Abstract Awards</p> <ul style="list-style-type: none"> • <i>Summa cum laude</i> International Society for Magnetic Resonance Imaging (ISMRM), Honolulu, HI April 2017 • Student Prize (North America) International Workshop on Pulmonary Functional Imaging, Edinburgh, Scotland Sep 2015 • Abstract Scholarship American Thoracic Society (ATS) International Conference, Denver, CO Oct 2011 <p>Conference Admission/Travel Stipend Awards</p> <ul style="list-style-type: none"> • ISMRM, Honolulu, HI April 2017 • ISMRM, Toronto, ON May 2015
PRESENTATIONS	<ul style="list-style-type: none"> • ISMRM International Conference, Honolulu, HI April 2017 • ATS International Conference, San Francisco May 2015 • Radiological Society of North America Annual Meeting Chicago, IL Nov 2015 • International Workshop on Pulmonary Functional Imaging Edinburgh, Scotland Sep 2015