

# Andrew C. Rausch

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## Education

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<b>Doctor of Medicine</b> 2014	<b>Tufts University School of Medicine, <i>Boston, MA</i></b> <i>Anticipated</i>
<b>Bachelor of Arts</b> 2008	<b>Carleton College, <i>Northfield, MN</i></b> Graduated cum laude with a major in Physics & Astronomy

## Research Experience

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<b>Research Scholarship</b> June-August 2011	<b>Tufts Evidence-based Practice Center, <i>Boston, MA</i></b> <i>Harold Williams Scholarship funded research with Dr. Joseph Lau</i> Examined intravascular cardiac diagnosis techniques with systematic review & meta-analysis Prototyped and published a new pipeline for Topic Identification in Comparative Effectiveness Reviews for the Agency for Healthcare Research and Quality
<b>Research Assistant</b> January 2009-August 2010	<b>Psychiatry Neuroimaging Laboratory, <i>Boston, MA</i></b> <i>A Brigham &amp; Womens Hospital advanced imaging laboratory under Prof. Martha Shenton</i> Image processing and analysis of MRI and DTMRI data involving brain registration, streamline tractography analysis and clustering, stochastic tractography projects
<b>Research Assistant</b> March-November 2007	<b>Carleton College, <i>Northfield, MN</i></b> <i>An astronomical imaging laboratory directed by Prof. Cynthia Blaha</i> Catalogued and analyzed ionized hydrogen regions, supernova remnants, and planetary nebulae in the Andromeda (M31) and Pinwheel (M33) galaxies
<b>Laboratory Assistant</b> June-September 2004-2005	<b>University of Minnesota, <i>Minneapolis/St. Paul, MN</i></b> <i>A Department of Agronomy &amp; Plant Genomics Laboratory with Dr. Ron Okagaki</i> Developed oat-maize addition lines, placing corn DNA into oat backgrounds to isolate corn chromosomes for characterization

## Work experience

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<b>Project Manager</b> July-December 2008	<b>Hennepin County Medical Center, <i>Minneapolis, MN</i></b> <i>Managed projects for the Director of Specialty Clinics, Mary Kurvers</i> Ran studies on appointment fail rates and permanent venous catheter adverse outcomes Co-managed Cancer Center's 'Go-Live' of the EPIC EMR and Vocera communication system Performed data analysis for Emergency Department LEAN team
<b>Lab Assistant &amp; Tutor</b> September 2005-June 2008	<b>Carleton College, <i>Northfield, MN</i></b> Prepared experiments and guided students' data analysis for lab courses Operated a 16" telescope for the monthly Goodsell Observatory Open House and conducted small group tours teaching visitors about constellations and astronomy Tutored groups of 5-20 students twice weekly in Classical & Computational Mechanics

## Publications

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### Articles

**Identification of Topics for Comparative Effectiveness Systematic Reviews in the Field of Cancer Imaging.** *J Comp Eff Res.* M. Rao, T.W. Concannon, R. Iovin, et al. 2013. *In Press*, PMID: *pending*

**Fiber geometry in the corpus callosum in schizophrenia: Evidence for transcallosal misconnection.** *Schiz Res.* T. Whitford, P. Savadjiev, M. Kubicki, et al. 2011. PMID: 21831601

**Electrophysiological and Diffusion-Tensor Imaging evidence of delayed corollary discharges in patients with schizophrenia.** *Psychol Med.* T. Whitford, D. Mathalon, M.E. Shenton, et al. 2010. PMID: 20663254

### Posters

**Identification of Topics for Comparative Effectiveness Systematic Reviews in the Field of Cancer Imaging.** *Tufts Med MD Research Day.* A.C. Rausch, M. Rao, G. Kitsios, et al. 2011

**Factor Analysis Of Automatic White Matter Clustering and Neuropsychology Measures In Patients With Schizophrenia.** *Mysell Harvard Research Day, Psychiatry Annual Meeting.* DP Terry, AC Rausch, T Whitford, et al. 2010

**Atypical Neuroleptic Medication Effects on the Dorsal and Ventral Striatum in Chronic Schizophrenia: An MRI Study.** *Mysell Harvard Research Day, Psychiatry Annual Meeting.* P Pelavin, AC Rausch, J Alvarado, et al. 2010

**White Matter Properties of Emotion Related Connections in Schizophrenia.** *Mysell Harvard Research Day, Psychiatry Annual Meeting.* DP Terry, AC Rausch, J Alvarado, et al. 2009

*Full list of publications available online at [AndrewRausch.com/publications](http://AndrewRausch.com/publications)*

## Awards

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2011	<b>Harold Williams Summer Research Fellowship</b> Tufts University School of Medicine, <i>Boston, MA</i>
2007	<b>Mike Ewers Award</b> Minnesota Space Grant Consortium, Carleton College, <i>Northfield, MN</i>
2004-2008	<b>National Merit Scholar</b> Carleton College, <i>Northfield, MN</i>
2004-2008	<b>Carleton Merit Scholar</b> Carleton College, <i>Northfield, MN</i>
2004	<b>International Baccalaureate Diploma</b> Southwest High School, <i>Minneapolis, MN</i>

## Memberships & Committees

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Member	Admissions Committee, <i>Tufts University School of Medicine</i> , 2013-present
Member	Student Self Study Committee, LCME accreditation, <i>Tufts</i> , 2012-present
Class Representative	Student Library Activities Committee, <i>Tufts</i> , 2011-present
Info. Tech. Representative	Medical Education Representative Committee, <i>Tufts</i> , 2011
Student Representative	Committee on Interspecialty, <i>Massachusetts Medical Society</i> , 2010-11