

JANA MARIE GRCEVICH  
*Curriculum Vitae*

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- Education** COLUMBIA UNIVERSITY, NEW YORK May 2009 – Present  
Ph.D. in Astrophysics, expected May 2012  
Dissertation: “Neutral Hydrogen in Local Group Dwarf Galaxies”  
Thesis Advisor: Mary E. Putman
- UNIVERSITY OF MICHIGAN, ANN ARBOR September 2005 – May 2009  
M.S. in Astrophysics
- UNIVERSITY OF WISCONSIN, MADISON September 2001 – May 2005  
B.S. in Astronomy/Physics, Physics, and Mathematics, with Honors
- Teaching & Employment** GRADUATE STUDENT RESEARCHER Spring 2009 – Present  
Columbia University. Advisor: Dr. Mary Putman
- GRADUATE STUDENT INSTRUCTOR Winter 2006 – Spring 2009  
University of Michigan, Ann Arbor.  
Astro 101: The Solar System and the Search for Life Beyond Earth  
Astro 102: Introductory Astronomy: Stars, Galaxies, and the Universe  
Astro 127: Naked Eye Astronomy. Primary Instructor, Two Semesters
- GRADUATE STUDENT RESEARCHER Fall 2005 – Spring 2009  
University of Michigan, Ann Arbor. Advisors: Dr. Mary Putman, Dr. Mario Mateo
- RESEARCH EXPERIENCES FOR UNDERGRADUATES Summer 2004  
NRAO, Socorro, NM. Advisor: Dr. Yancy Shirley
- PEER MENTOR TUTOR Fall 2003 – Spring 2005  
University of Wisconsin, Madison. Introductory Physics
- UNDERGRADUATE RESEARCHER Summer 2002 – Spring 2005  
University of Wisconsin, Madison. Advisor: Dr. Eric Wilcots
- Outreach** MIDDLE SCHOOL PROGRAM In-class presentations to ~300 middle school science students at 3 schools.
- COLUMBIA ASTRONOMY PUBLIC LECTURES Participated or planned over twenty Friday night public lecture/observing events over 3 years. Revived the use of the 3D wall as an outreach tool.
- FAMILY ASTRO Led four interactive astronomy workshops for groups of elementary aged children and their parents.

- Awards** APPLAUSE AWARD FOR BEST PUBLIC LECTURE 2009, Columbia University  
FAY AJZENBERG-SELOVE AWARD 2003, University of Wisconsin, Madison  
WISCONSIN SPACE GRANT CONSORTIUM RESEARCH AWARD 2002, University of Wisconsin, Madison  
HONORS SOPHOMORE SUMMER RESEARCH APPRENTICESHIP 2002, University of Wisconsin, Madison
- Observing Experience** HILTNER 2.4M TELESCOPE, MDM OBSERVATORY – 8K CCD, 20 nights, UVBR and H $\alpha$  imaging  
ARECIBO OBSERVATORY – GALFA Spectrometer, GALFA-HI Survey, Ongoing Observing & Monitoring  
MAGELLAN TELESCOPE, LAS CAMPANAS OBSERVATORY – f/2 Direct Imaging, 6 hrs, g and i filter imaging  
CALTECH SUBMILLIMETER OBSERVATORY – Heterodyne Observations, 4 nights
- Schools & Workshops** SYNTHESIS IMAGING SUMMER SCHOOL – Summer 2004, Socorro, NM, USA  
SINGLE DISH SUMMER SCHOOL – Summer 2007, Green Bank, WV, USA  
GALFA-HI SUMMER SCHOOL – Summer 2008, Berkeley, CA, USA  
ALMA COMMUNITY DAY – Spring 2011, New York, NY, USA
- References** PROFESSOR MARY E. PUTMAN  
Columbia University, Department of Astronomy  
550 West 120th Street  
New York, NY 10027  
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PROFESSOR JACQUELINE VAN GORKOM  
Columbia University, Department of Astronomy  
550 West 120th St. New York, NY 10027  
(212) 854-6850, jvangork@astro.columbia.edu  
PROFESSOR FABIAN HEITSCH  
University of North Carolina, Department of Physics & Astronomy  
Chapel Hill, NC 27599  
(919) 962-3998, fheitsch@unc.edu
- Contributed Talks** FINDING MISSING SATELLITES WITH NEUTRAL HYDROGEN – Near Field Cosmology as a Probe of the Early Universe, Dark Matter, and Gravity, Annapolis, MD, Fall 2011  
DWARF GALAXIES IN GALFA-HI – GALFA-HI Meeting, Madison, WI, Summer 2011  
NEW LOCAL GROUP DWARF GALAXY CANDIDATES AND THE CONTENT AND EVOLUTION OF GAS IN ULTRA-FAINT DWARF GALAXIES – The Cosmic Odyssey of Baryons, Marseille, France, Summer 2011  
FINDING NEW MILKY WAY SATELLITES – GALFA-HI Meeting, New York, NY, August 2010  
HI IN LOCAL GROUP DWARFS – The Globular Clusters - Dwarf Galaxy Connection, Ann Arbor, MI, Summer 2007

- Journal Articles**
- “POTENTIAL NEW LOCAL GROUP DWARF GALAXIES IN THE GALFA-HI SURVEY,” **J. M. Grcevich**, D. R. Saul, J. E. G. Peek, M. E. Putman, K. A. Douglas, E. J. Korpela, S. Stanimirovic, C. Heiles, S. J. Gibson, M. Lee, A. Begum, 2011, *Astrophysical Journal*, Submitted
- “THE GALFA-HI ULTRA-COMPACT CLOUD CATALOG,” D. R. Saul, J. E. G. Peek, **J. M. Grcevich**, M. E. Putman, K. A. Douglas, E. J. Korpela, S. Stanimirovic, C. Heiles, S. J. Gibson, M. Lee, A. Begum, A. R. H. Brown, B. Burkhart, E. T. Hamden, N. M. Pingel, S. Tonneson, 2011, *Astrophysical Journal*, Submitted
- “A HIGH RESOLUTION STUDY OF THE HI-H2 TRANSITION ACROSS THE PERSEUS MOLECULAR CLOUD,” M. Lee, S. Stanimirovic, K. Douglas, J. Di Francesco, S. Gibson, A. Begum, **J. M. Grcevich**, C. Heiles, E. J. Korpela, A. K. Leroy, J. E. G. Peek, N. Pingel, M. E. Putman, D. Saul, 2011, *ApJ*, Accepted
- “THE GALFA-HI SURVEY: DATA RELEASE 1,” J. E. G. Peek, C. Heiles, K. A. Douglas, M. Lee, **J. M. Grcevich**, S. Stanimirovic, M. E. Putman, E. J. Korpela, S. J. Gibson, A. Begum, D. R. Saul, T. Robishaw, M. Krco, 2011, *Astrophysical Journal Supplement*, 682, 1217
- “COMPACT HI CLOUDS FROM THE GALFA-HI SURVEY,” A. Begum, S. Stanimirovic, J. E. G. Peek, N. Ballering, C. Heiles, K. A. Douglas, M. E. Putman, S. J. Gibson, **J. M. Grcevich**, E. J. Korpela, M. Lee, D. R. Saul, J. Gallagher, 2010, *Astrophysical Journal*, 722, 395B
- “HI IN LOCAL GROUP DWARF GALAXIES AND STRIPPING BY THE GALACTIC HALO,” **J. M. Grcevich**, M. E. Putman, 2009, *Astrophysical Journal*, 696, 385G
- “MODELING THE PHYSICAL STRUCTURE OF THE LOW-DENSITY PRE-PROSTELLAR CORE LYNDS 1498,” Y. L. Shirley, M. K. Nordhaus, **J. M. Grcevich**, N. J. Evans, II, J. M. C. Rawlings, K. Tatematsu, 2005, *Astrophysical Journal*, 632, 982S
- Conference Proceedings**
- “THE GALFA-HI SURVEY,” J. E. G. Peek, A. Begum, K. A. Douglas, S. J. Gibson, **J. M. Grcevich**, C. Heiles, E. J. Korpela, M. Lee, S. Stanimirovic, M. E. Putman, D. R. Saul, S. Stanimirovic, 2010, *The Dynamic Interstellar Medium: A Celebration of the Canadian Galactic Plane Survey*, *Astronomical Society of the Pacific*, 438, 393P
- “GALACTIC SMALL SCALE STRUCTURE REVEALED BY THE GALFA-HI SURVEY,” A. Begum, S. Stanimirovic, J. E. G. Peek, N. Ballering, C. Heiles, K. A. Douglas, M. Putman, S. J. Gibson, **J. Grcevich**, E. J. Korpela, M. Lee, D. Saul, J. Gallagher, 2010, *The Dynamic Interstellar Medium: A Celebration of the Canadian Galactic Plane Survey*, *Astronomical Society of the Pacific*, 438, 126B
- “THE GASEOUS HALO MASK,” M. E. Putman, M. R. Joung, **J. M. Grcevich**, F. Heitsch, 2010, *Galaxies and their Masks*, Springer Science+Business Media, LLC, 87P
- “FEEDING GALAXIES,” M. E. Putman, **J. M. Grcevich**, J. E. G. Peek, 2008, *The Evolution of Galaxies through the Neutral Hydrogen Window*,

American Institute of Physics Conference Proceedings, 1035, 141P  
“FUEL FOR GALAXY DISKS,” M. E. Putman, **J. Grcevich**, J. E. G. Peek, 2008, Formation and Evolution of Galaxy Disks ASP Conference Series, Astronomical Society of the Pacific, 396, 233P  
“HI IN LOCAL GROUP DWARFS,” **J. M. Grcevich**, M. E. Putman, J. E. G. Peek, 2008, The Evolution of Galaxies through the Neutral Hydrogen Window, American Institute of Physics Conference Proceedings, 1035, 159G  
“AGN HEATING OF THE INTERGALACTIC MEDIUM IN GALAXY GROUPS,” E. M. Wilcots, K. M. Hess, **J. M. Grcevich**, 2008, Extragalactic Jets: Theory and Observation from Radio to Gamma Ray, Astronomical Society of the Pacific, 386, 320W

**Bulletins**

“SUPERNOVAE 2006FO-2006GH,” T. Puckett, R. Gagliano, R. Mostardi, W. Li, J. Frieman, (Sloan Digital Sky Survey Collaboration), II; **J. Grcevich**, 2006, International Astronomical Union Circular, 8750, 2  
“SUPERNOVA 2006FP IN UGC 12182,” T. Puckett, R. Gagliano, **J. Grcevich**, J. Storr, G. Brissenden, 2006, Central Bureau Electronic Telegrams, 625, 1  
“RADIO OBSERVATIONS OF BD +60 73 = IGR J00370+6122,” P. B. Cameron, **J. Grcevich**, N. Gugliucci, K. Hess, C. Ly, K. Schillemat, A. Shetiya, C. Simpson, A. Stilp, U. R. Venkata, B. Zeiger, 2004, The Astronomer’s Telegram, 312