

Pauline Barmby

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Education

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| PhD, Astronomy | Harvard University | 2001 |
| AM, Astronomy | Harvard University | 1998 |
| B.Sc.(Hons), Physics & Astronomy | University of British Columbia | 1995 |

Positions Held

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| Associate Professor | Department of Physics & Astronomy, Western University | 2013–present |
| Assistant Professor | Department of Physics & Astronomy, Western University | 2007–2013 |
| Astrophysicist | Smithsonian Astrophysical Observatory | 2001–2007 |

Research Interests

Observational extragalactic astronomy: galaxy formation, stellar populations, extragalactic star clusters, clusters of galaxies, active galactic nuclei

Astroinformatics: data processing and knowledge discovery in astrophysical data

Research Grants

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|---|--------|-----------------------------------|-----------|
| Assembling the Big Picture of Nearby Galaxies | \$135k | NSERC Discovery Grant | 2013–2018 |
| Far Out: Tracing the Mass in M31 | \$16k | Spitzer Science Center | 2012 |
| Astroinformatics | \$84k | Western University ADF | 2012–2014 |
| Star Formation Histories of Nearby Galaxies | \$125k | NSERC Discovery Grant | 2008–2013 |
| Star Formation Histories of Nearby Galaxies | \$140k | Ontario Early Researcher Award | 2008–2013 |
| The Local Group Dwarf Spheroidals | \$55k | Spitzer Science Center | 2008–2011 |
| Old and New Stars Revealed by Infrared Imaging | \$4k | Western University ADF | 2008–2009 |
| Star Formation and Star Clusters in Nearby Galaxies | \$60k | NSERC Discovery Grant | 2007–2008 |
| Mass Loss in Cepheid Variables (Co-I) | \$28k | Spitzer Science Center | 2006–2009 |
| A Complete Map of M31 with IRAC | \$74k | Spitzer Science Center | 2005–2007 |
| Imaging of the Extended Groth Strip (Co-I) | \$7k | Chandra X-ray Center | 2004–2006 |
| The Most Massive Star Clusters (Co-I) | \$18k | Space Telescope Science Institute | 2004–2006 |
| Stellar Populations in M101 (Co-I) | \$16k | Space Telescope Science Institute | 2002–2005 |

Teaching Experience

Courses taught at Western University

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|---------------|---|----------------|---------|
| Astro 9610 | Fundamentals of Modern Astrophysics (c) | X grads | 2014 |
| Astro 2022 | The Origin of the Universe | X undergrads | |
| Physics 1402 | Physics for Engineers II | 385 undergrads | 2013–14 |
| Astro 9028 | Data and Error Analysis (c) | 12 grads | |
| Astro 9610 | Fundamentals of Modern Astrophysics (c) | 10 grads | |
| Astro 9612 | Fundamentals of Computation (c) | 12 grads | 2012–13 |
| Physics 1402 | Physics for Engineers II | 370 undergrads | |
| Astro 9610 | Fundamentals of Modern Astrophysics (c) | 7 grads | |
| Astro 1021 | General Astronomy | 85 undergrads | 2011–12 |
| Physics 1402 | Physics for Engineers | 180 undergrads | |
| Astro 9610 | Fundamentals of Modern Astrophysics (c) | 7 grads | |
| Astro 1021 | General Astronomy | 150 undergrads | 2010–11 |
| Astro 9610 | Introduction to Astrophysics (t) | 13 grads | |
| Physics 1024 | Introductory Physics (c) | 34 undergrads | 2009–10 |
| Astro 4602 | Gravitational Astrophysics & Cosmology | 10 undergrads | |
| Astro 1021 | General Astronomy | 135 undergrads | |
| Astro 96xx | Galactic and Extragalactic IR Astronomy (c) | 6 grads | |
| Astro 1021 | General Astronomy | 135 undergrads | 2008–09 |
| Physics 9028 | Data and Error Analysis (c) | 11 grads | |
| Astro 96xx | Extragalactic Star Formation (reading course) | 1 grad | 2007–08 |
| Astro 4602 | Gravitational Astrophysics & Cosmology | 10 undergrads | |
| Astro 96xx | Galactic and Extragalactic IR Astronomy (c) | 6 grads | |
| Calculus 1000 | Calculus I | 90 undergrads | |

(c) = co-instructor, (t)=team-taught

Student and postdoctoral supervision at Western University

Postdoctoral fellows

- S. Lianou, 2012–present
- M. Azimlu, 2009–2011

PhD students

- R. Arnason, 2014–present
- S. Rahmani, 2012–present
- N. Vulic (co-supervised), 2012–present
- R. Marciniak, 2009–2010

MSc students

- M. Rafaei-Ravandi, 2013–present
- D. Hemachandra (co-supervised), 2012–2014
- M. Croley, 2011–2013
- G. Farhani, 2011–2012

- J. Agar, 2010–2012
- N. Vulic, 2010–2012
- H. Shiu, 2009–2011
- R. Marciniak, 2008–2009
- D. Valenzo, 2007

BSc students

- G. Keenleyside, 2013–2014
- R. Odell, 2012
- F. Jalilian, 2010
- M. Gracie, 2010
- H. Shiu, 2009
- V. Lyttle, 2008

Research assistants and work-study students

- J. Taylor, 2013
- E. Matlovich, 2013
- N. Hasan, 2008

Other student advisory duties

- Faculty advisor, Western University Summer Academic Orientation, 2012–2014
- Member, Western University student advisory committees, 2007–present
- Examiner & chair, Western University MSc and PhD committees, 2008–present
- Member, McMaster University PhD student committee, 2009–2012
- Member, Harvard University student thesis committees, 2005–2008
- Supervisor, Smithsonian Research Experiences for Undergraduates student M. Roscioli, 2004

Fellowships and Awards

| | |
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| Florence Bucke Prize, Western Faculty of Science | 2014 |
| Outreach Award (to entire Astronomy group), Western Faculty of Science | 2010 |
| NASA Group Achievement Award (to Spitzer Space Telescope Payload Team) | 2004 |
| NSERC Postdoctoral Fellowship (declined) | 2001 |
| Graduate Teaching Award, Harvard University | 1997, 1999 |
| Margaret Weyerhauser Jewitt Memorial Fellowship, Harvard University | 1996 |
| NSERC Postgraduate Scholarship (PGS A, declined) | 1995 |
| Canada Scholar | 1990–1995 |

Professional and Volunteer Activities

Committee & society memberships

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|-------------------|--|--------------------------------|--------------|
| Member | Integrated Science program committee | Western Faculty of Science | 2014 |
| Member | workload committee | Western Physics & Astronomy | 2014 |
| Member | graduate affairs committee | Western Physics & Astronomy | 2013–14 |
| Member | research & awards committee | Western Physics & Astronomy | 2013–14 |
| Member | colloquium committee | Western Physics & Astronomy | 2012–13 |
| Member | first-year operating committee | Western Faculty of Engineering | 2011–14 |
| Member | Appointments committee | Western Physics & Astronomy | 2011–12 |
| Chair | Outreach committee | Western Physics & Astronomy | 2011–13 |
| Member | NSERC USRA selection committee | Western Faculty of Science | 2008–14 |
| Member | Outreach committee | Western Physics & Astronomy | 2007–13 |
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| Member | CASCA Long Range Plan Implementation Committee | | 2014–15 |
| Member | scientific organizing committee, “Python in Astronomy” | | 2014–15 |
| Member | Canada-France-Hawaii Telescope Science Advisory Council | | 2014–16 |
| Director-at-large | Canadian Astronomical Society (CASCA) | | 2013–15 |
| Member | Users’ Committee, Gemini Observatory | | 2013–15 |
| Chair | CASCA Ground-based Astronomy Committee | | 2013–15 |
| Member | CASCA Ground-based Astronomy Committee | | 2012–13 |
| Chair | scientific organizing committee, Gemini Science Conference | | 2012 |
| Member | Canadian Gemini Science Committee | | 2011–13 |
| Member | local organizing committee, CASCA 2011 general meeting | | 2010–11 |
| Chair | scientific organizing committee, CASCA 2011 general meeting | | 2010–11 |
| Member | scientific organizing committee, “The Evolving ISM in the Milky Way and Nearby Galaxies” | | 2007 |
| | | | |
| Member | <i>Spitzer Space Telescope</i> Users’ Panel | | 2004–07 |
| Member | American Association of Physics Teachers | | 2011–present |
| Member | International Astronomical Union | | 2009–present |
| Associate | COSPAR | | 2008–present |
| Member | Canadian Astronomical Society | | 2001–present |
| Member | American Astronomical Society | | 1997–present |

Consulting

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|-------------------|---|-----------|
| Textbook reviewer | McGraw-Hill | 2013 |
| Textbook reviewer | Cambridge University Press, Nelson Canada | 2012 |
| Test bank author | Nelson Canada | 2011–2012 |
| Textbook reviewer | W.W. Norton, Cambridge University Press | 2010 |
| Textbook reviewer | Cambridge University Press, W.H. Freeman | 2009 |

Peer review

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| Reviewer | Research Foundation – Flanders | 2013 |
| Reviewer | NASA Postdoctoral Program | 2013 |
| Referee | NSERC Discovery Grants | 2011, 2013 |
| Reviewer & deputy panel chair | <i>Chandra X-ray Observatory</i> observing proposal review | 2011 |
| Member | <i>Spitzer Space Telescope</i> observing proposal review | 2011 |
| Member & panel chair | Canadian Time Allocation Committee (CFHT/Gemini/ JCMT) | 2010–2011 |
| Member | Canadian Time Allocation Committee | 2008–2011 |
| Reviewer & deputy panel chair | <i>Spitzer Space Telescope</i> observing proposal review | 2008 |
| Referee | Gemini and Canada-France-Hawaii Telescope proposals | 2007–2008 |
| Panel member | <i>Spitzer Space Telescope</i> observing proposal review | 2006 |
| Member | National Science Foundation grant peer review panel | 2005 |
| Member | NASA Office of Space Science grant peer review panel | 2002 |
| Referee, <i>The Astrophysical Journal</i> , <i>The Astronomical Journal</i> , <i>Astronomy & Astrophysics</i> , <i>Publications of the Astronomical Society of the Pacific</i> , <i>Monthly Notices of the Royal Astronomical Society</i> , 2001–present | | |

Public education & outreach

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|------------------------|---|--------------|
| Scientist-in-Residence | London Regional Children’s Museum | 2012 |
| Speaker | Western “Science Here and Now” series | 2012 |
| Organizer | Mars Science Laboratory landing event | 2012 |
| Speaker | Royal Astronomical Society of Canada London Centre | 2012 |
| Presenter | London District Science Fair | 2010–2012 |
| Speaker | Western University “Nobel Prize” series | 2011 |
| Speaker | Fraser Valley Astronomers Society | 2009 |
| Speaker | Jack Chambers Public School | 2009–14 |
| Podcaster | “365 Days of Astronomy” | 2009, 2012 |
| Speaker | Cronyn Observatory public “Observatory Night” | 2008–present |
| Speaker | “Virtual Researcher on Call” | 2008–present |
| Speaker | “Women in Research” , Museum of Science, Boston | 2007 |
| Speaker | Center for Astrophysics public “Observatory Night” | 2007 |
| Volunteer | Museum of Science, Boston | 2003–2004 |
| Volunteer | The MAD Scientist Network ‘Ask-A-Scientist’ website | 1997–2004 |
| Volunteer | RFB&D — audio recording of academic textbooks | 1996–2004 |

Media interviews

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| <i>Star Spot</i> podcast, Western News | 2014 |
| Rogers <i>Western Revealed</i> , <i>York Universe</i> podcast | 2013 |
| CIXX radio, <i>Earth</i> magazine, The Weather Network, AM980 radio, Western Gazette, CHRW, The Londoner, Metro, CJBK, Blackburn Radio, The Motts, Mohawk College News, London Free Press, CBC Radio/Ontario Morning, The Globe and Mail | 2012 |
| CIXX radio, Canadian Press | 2011 |
| <i>Bridges</i> career planning website, Asuza Pacific University journalism students | 2010 |
| Western University, Massachusetts Institute of Technology journalism students | 2009 |
| WDEL radio, Colombian National Public radio | 2009 |
| WUML “Sunrise” radio program | 2007 |

Colloquia and Seminars

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| St. Mary’s University | March 2013 |
| Western University (Planetary Science) | March 2013 |
| Western University | September 2012 |
| Swinburne University of Technology | May 2012 |
| University of Toledo | March 2012 |
| Western Washington University | April 2011 |
| University of Rochester | March 2011 |
| McMaster University | February 2010 |
| Royal Military College of Canada | January 2010 |
| University of Alberta | January 2010 |
| University of Toronto | October 2009 |
| Michigan State University | September 2009 |
| Queen’s University | March 2009 |
| Harvard-Smithsonian Center for Astrophysics | February 2009 |
| Trent University | January 2009 |
| University of Minnesota | April 2008 |
| Herzberg Institute of Astrophysics | February 2008 |
| University of Waterloo | January 2008 |
| Western University (undergraduate seminar) | 2008, 2009, 2014 |
| Harvard-Smithsonian Center for Astrophysics | November 2006 |
| Wesleyan University | December 2004 |
| University of Rochester | December 2004 |
| Harvard-Smithsonian Center for Astrophysics | September 2001, March 2003 |
| McMaster University | March 2001 |
| European Southern Observatory | December 2000 |
| Carnegie Observatories | November 2000 |
| University of California at Berkeley | November 2000 |
| American Museum of Natural History | October 2000 |
| Dominion Astrophysical Observatory | August 2000 |

Publications

Bibliometrics summary from NASA Astrophysics Data Service, 17 February 2014:

- 99 refereed publications, 17 as first-author
- 98 unrefereed conference abstracts, 32 as presenting author
- citations to refereed papers: 7980 total, 951 to first-author, 593 normalized
- *h*-index: 41 overall, 15 to first-author papers, 12 normalized

Refereed publications

1. Boyer, M. L., McQuinn, K. B., **Barmby, P.**, Bonanos, A. Z., Gehrz, R. D., Gordon, K. D., Groenewegen, M. A., Lagadec, E., Lennon, D., Marengo, M., Meixner, M., Skillman, E., Sloan, G. C., Sonneborn, G., van Loon, J. T., and Zijlstra, A., 2015, “An Infrared Census of Dust in nearby Galaxies with Spitzer (DUSTiNGS). I. Overview”. *ApJS* 216, 10.
2. Boyer, M. L., McQuinn, K. B., **Barmby, P.**, Bonanos, A. Z., Gehrz, R. D., Gordon, K. D., Groenewegen, M. A., Lagadec, E., Lennon, D., Marengo, M., McDonald, I., Meixner, M., Skillman, E., Sloan, G. C., Sonneborn, G., van Loon, J. T., and Zijlstra, A., 2014, “An Infrared Census of DUST in Nearby Galaxies with Spitzer (DUSTiNGS), II. Discovery of Metal-poor Dusty AGB Stars”. *ApJ*, in press.
3. Croley, M., **Barmby, P.**, Stock, D., Azimlu, M., and Rosolowsky, E., 2014, “The Andromeda Abundance Gradient”. *MNRAS*, submitted,
4. Hemachandra, D., **Barmby, P.**, Peeters, E., Smith, D., Gordon, K., Willner, S., Ashby, M., Smith, H., and Fazio, G., 2014, “Mid-infrared spectroscopy of the Andromeda galaxy”. *MNRAS*, submitted,
5. Lianou, S., **Barmby, P.**, Rémy-Ruyer, A., Madden, S., Galliano, F., and Lebouteiller, V., 2014, “Probing the interstellar medium of NGC1569 with *Herschel*”. *MNRAS* 445, 1003.
6. Nandra, K. et al., 2014, “AEGIS-X: Deep Chandra Imaging of the Central Groth Strip”. *ApJS*, submitted,
7. Vulic, N., Gallagher, S. C., and **Barmby, P.**, 2014, “Faint X-Ray Binaries and Their Optical Counterparts in M31”. *ApJ* 790, 136.
8. Agar, J. R. and **Barmby, P.**, 2013, “M31 Globular Cluster Structures and the Presence of X-Ray Binaries”. *AJ* 146, 135.
9. Ashby, M. L. et al., 2013, “SEDS: The Spitzer Extended Deep Survey. Survey Design, Photometry, and Deep IRAC Source Counts”. *ApJ* 769, 80.
10. Huang, J.-S., Faber, S. M., Willmer, C. N., Rigopoulou, D., Koo, D., Newman, J., Shu, C., Ashby, M. L., **Barmby, P.**, Coil, A., Luo, Z., Magdis, G., Wang, T., Weiner, B., Willner, S. P., Zheng, X. Z., and Fazio, G. G., 2013, “Multi-Wavelength Study of a Complete IRAC 3.6 μ m Selected Galaxy Sample: A Fair Census of Red and Blue Populations at Redshifts 0.4-1.2”. *ApJ* 766, 21.
11. Vulic, N., **Barmby, P.**, and Gallagher, S. C., 2013, “Stacking Star Clusters in M51: Searching for Faint X-Ray Binaries”. *ApJ* 763, 96.
12. **Barmby, P.** and Jalilian, F. F., 2012, “Comparing Mid-infrared Globular Cluster Colors with Population Synthesis Models”. *AJ* 143, 87.
13. Sánchez-Gallego, J. R., Knapen, J. H., Wilson, C. D., **Barmby, P.**, Azimlu, M., and Courteau, S., 2012, “The JCMT Nearby Galaxies Legacy Survey - VII. H α imaging and massive star formation properties”. *MNRAS* 422, 3208–3248.
14. Willner, S. P., Ashby, M. L., **Barmby, P.**, Chapman, S. C., Coil, A. L., Cooper, M. C., Huang, J.-S., Iverson, R., and Koo, D. C., 2012, “A Fully Identified Sample of AEGIS20 Microjansky Radio Sources”. *ApJ* 756, 72.
15. Wilson, C. D. et al., 2012, “The JCMT Nearby Galaxies Legacy Survey - VIII. CO data and the $L_{CO(3-2)}$ - L_{FIR} correlation in the SINGS sample”. *MNRAS* 424, 3050–3080.

16. Ashby, M. L., Mahajan, S., Smith, H. A., Willner, S. P., Fazio, G. G., Raychaudhury, S., Zezas, A., **Barmby, P.**, Bonfini, P., Cao, C., González-Alfonso, E., Ishihara, D., Kaneda, H., Lyttle, V., Madden, S., Papovich, C., Sturm, E., Surace, J., Wu, H., and Zhu, Y.-N., 2011, “The Star Formation Reference Survey. I. Survey Description and Basic Data”. *PASP* 123, 1011–1029.
17. Azimlu, M., Marciniak, R., and **Barmby, P.**, 2011, “A New Catalog of H II Regions in M31”. *AJ* 142, 139.
18. **Barmby, P.**, Marengo, M., Evans, N. R., Bono, G., Huelsman, D., Su, K. Y., Welch, D. L., and Fazio, G. G., 2011, “Galactic Cepheids with Spitzer. II. Search for Extended Infrared Emission”. *AJ* 141, 42.
19. Domínguez, A., Primack, J. R., Rosario, D. J., Prada, F., Gilmore, R. C., Faber, S. M., Koo, D. C., Somerville, R. S., Pérez-Torres, M. A., Pérez-González, P., Huang, J.-S., Davis, M., Guhathakurta, P., **Barmby, P.**, Conselice, C. J., Lozano, M., Newman, J. A., and Cooper, M. C., 2011, “Extragalactic background light inferred from AEGIS galaxy-SED-type fractions”. *MNRAS* 410, 2556–2578.
20. Sánchez-Gallego, J. R., Knapen, J. H., Heiner, J. S., Wilson, C. D., Warren, B. E., Allen, R. J., Azimlu, M., **Barmby, P.**, Bendo, G. J., Comerón, S., Israel, F. P., Serjeant, S., Tilanus, R. P., Vlahakis, C., and van der Werf, P., 2011, “The JCMT Nearby Galaxies Legacy Survey. VI. The distribution of gas and star formation in M 81”. *A&A* 527, A16.
21. Yan, R. et al., 2011, “AEGIS: Demographics of X-ray and Optically Selected Active Galactic Nuclei”. *ApJ* 728, 38.
22. Aird, J., Nandra, K., Laird, E. S., Georgakakis, A., Ashby, M. L., **Barmby, P.**, Coil, A. L., Huang, J.-S., Koekemoer, A. M., Steidel, C. C., and Willmer, C. N., 2010, “The evolution of the hard X-ray luminosity function of AGN”. *MNRAS* 401, 2531–2551.
23. Kong, A. K., Heinke, C. O., di Stefano, R., Cohn, H. N., Lugger, P. M., **Barmby, P.**, Lewin, W. H., and Primini, F. A., 2010, “Localization of the X-ray source in the globular cluster G1 with Chandra”. *MNRAS* 407, L84–L88.
24. Landt, H., Buchanan, C. L., and **Barmby, P.**, 2010, “On the dust geometry in radio-loud active galactic nuclei”. *MNRAS* 408, 1982–1997.
25. Marengo, M., Evans, N. R., **Barmby, P.**, Bono, G., Welch, D. L., and Romaniello, M., 2010, “Galactic Cepheids with Spitzer. I. Leavitt Law and Colors”. *ApJ* 709, 120–134.
26. Marengo, M., Evans, N. R., **Barmby, P.**, Matthews, L. D., Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y., and Fazio, G. G., 2010, “An Infrared Nebula Associated with δ Cephei: Evidence of Mass Loss?” *ApJ* 725, 2392–2400.
27. Nantais, J. B., Huchra, J. P., **Barmby, P.**, and Olsen, K. A., 2010, “Nearby Spiral Galaxy Globular Cluster Systems. II. Globular Cluster Metallicities in NGC 300”. *AJ* 139, 1178–1189.
28. Park, S. Q., **Barmby, P.**, Willner, S. P., Ashby, M. L., Fazio, G. G., Georgakakis, A., Ivison, R. J., Konidaris, N. P., Miyazaki, S., Nandra, K., and Rosario, D. J., 2010, “AEGIS: A Multiwavelength Study of Spitzer Power-law Galaxies”. *ApJ* 717, 1181–1201.
29. Perina, S., Cohen, J. G., **Barmby, P.**, Beasley, M. A., Bellazzini, M., Brodie, J. P., Federici, L., Fusi Pecci, F., Galletti, S., Hodge, P. W., Huchra, J. P., Kissler-Patig, M., Puzia, T. H., and Strader, J., 2010, “An HST/WFPC2 survey of bright young clusters in M 31. IV. Age and mass estimates”. *A&A* 511, A23.
30. **Barmby, P.**, Boyer, M. L., Woodward, C. E., Gehrz, R. D., van Loon, J. T., Fazio, G. G., Marengo, M., and Polonski, E., 2009, “A Spitzer Search for Cold Dust Within Globular Clusters”. *AJ* 137, 207–217.
31. **Barmby, P.**, Perina, S., Bellazzini, M., Cohen, J. G., Hodge, P. W., Huchra, J. P., Kissler-Patig, M., Puzia, T. H., and Strader, J., 2009, “A Hubble Space Telescope/WFPC2 Survey of Bright Young Clusters in M31. III. Structural Parameters”. *AJ* 138, 1667–1680.
32. Hicken, M. et al., 2009, “CfA3: 185 Type Ia Supernova Light Curves from the CfA”. *ApJ* 700, 331–357.
33. Hodge, P. W., Krienke, O. K., Bellazzini, M., Perina, S., **Barmby, P.**, Cohen, J. G., Puzia, T. H., and Strader, J., 2009, “An HST/WFPC Survey of Bright Young Clusters in M31. II. Photometry of Less Luminous Clusters in the Fields”. *AJ* 138, 770–779.

34. Laird, E. S., Nandra, K., Georgakakis, A., Aird, J. A., **Barmby, P.**, Conselice, C. J., Coil, A. L., Davis, M., Faber, S. M., Fazio, G. G., Guhathakurta, P., Koo, D. C., Sarajedini, V., and Willmer, C. N., 2009, “AEGIS-X: the Chandra Deep Survey of the Extended Groth Strip”. *ApJS* 180, 102–116.
35. Perina, S., **Barmby, P.**, Beasley, M. A., Bellazzini, M., Brodie, J. P., Burstein, D., Cohen, J. G., Federici, L., Fusi Pecci, F., Galletti, S., Hodge, P. W., Huchra, J. P., Kissler-Patig, M., Puzia, T. H., and Strader, J., 2009, “An HST/WFPC2 survey of bright young clusters in M31. I. VdB0, a massive star cluster seen at $t \sim 25$ Myr”. *A&A* 494, 933–948.
36. **Barmby, P.**, Huang, J.-S., Ashby, M. L., Eisenhardt, P. R., Fazio, G. G., Willner, S. P., and Wright, E. L., 2008, “A Catalog of Mid-Infrared Sources in the Extended Groth Strip”. *ApJS* 177, 431–445.
37. Eisenhardt, P. R., Brodwin, M., Gonzalez, A. H., Stanford, S. A., Stern, D., **Barmby, P.**, Brown, M. J., Dawson, K., Dey, A., Doi, M., Galametz, A., Jannuzi, B. T., Kochanek, C. S., Meyers, J., Morokuma, T., and Moustakas, L. A., 2008, “Clusters of Galaxies in the First Half of the Universe from the IRAC Shallow Survey”. *ApJ* 684, 905–932.
38. Georgakakis, A., Nandra, K., Yan, R., Willner, S. P., Lotz, J. M., Pierce, C. M., Cooper, M. C., Laird, E. S., Koo, D. C., **Barmby, P.**, Newman, J. A., Primack, J. R., and Coil, A. L., 2008, “The role of AGN in the colour transformation of galaxies at redshifts $z \sim 1$ ”. *MNRAS* 385, 2049–2060.
39. Gorjian, V., Brodwin, M., Kochanek, C. S., Murray, S., Stern, D., Brand, K., Eisenhardt, P. R., Ashby, M. L., **Barmby, P.**, Brown, M. J., Dey, A., Forman, W., Jannuzi, B. T., Jones, C., Kenter, A. T., Pahre, M. A., Shields, J. C., Werner, M. W., and Willner, S. P., 2008, “The Mid-Infrared Properties of X-Ray Sources”. *ApJ* 679, 1040–1046.
40. Hora, J. L., Carey, S., Surace, J., Marengo, M., Lowrance, P., Glaccum, W. J., Lacy, M., Reach, W. T., Hoffmann, W. F., **Barmby, P.**, Willner, S. P., Fazio, G. G., Megeath, S. T., Allen, L. E., Bhattacharya, B., and Quijada, M., 2008, “Photometry using the Infrared Array Camera on the Spitzer Space Telescope”. *PASP* 120, 1233–1243.
41. McLaughlin, D. E., **Barmby, P.**, Harris, W. E., Forbes, D. A., and Harris, G. L., 2008, “Structural parameters for globular clusters in NGC 5128 - III. ACS surface brightness profiles and model fits”. *MNRAS* 384, 563–590.
42. Mould, J., **Barmby, P.**, Gordon, K., Willner, S. P., Ashby, M. L., Gehrz, R. D., Humphreys, R., and Woodward, C. E., 2008, “A Point-Source Survey of M31 with the Spitzer Space Telescope”. *ApJ* 687, 230–241.
43. Park, S. Q., **Barmby, P.**, Fazio, G. G., Nandra, K., Laird, E. S., Georgakakis, A., Rosario, D., Willner, S. P., Rieke, G. H., Ashby, M. L., Ivison, R. J., Coil, A. L., and Miyazaki, S., 2008, “AEGIS: Radio and Mid-Infrared Selection of Obscured AGN Candidates”. *ApJ* 678, 744–750.
44. **Barmby, P.**, McLaughlin, D. E., Harris, W. E., Harris, G. L., and Forbes, D. A., 2007, “Structural Parameters for Globular Clusters in M31 and Generalizations for the Fundamental Plane”. *AJ* 133, 2764–2786.
45. Davis, M. et al., 2007, “The All-Wavelength Extended Groth Strip International Survey (AEGIS) Data Sets”. *ApJL* 660, L1–L6.
46. Gerke, B. F., Newman, J. A., Lotz, J., Yan, R., **Barmby, P.**, Coil, A. L., Conselice, C. J., Ivison, R. J., Lin, L., Koo, D. C., Nandra, K., Salim, S., Small, T., Weiner, B. J., Cooper, M. C., Davis, M., Faber, S. M., and Guhathakurta, P., 2007, “The DEEP2 Galaxy Redshift Survey: AEGIS Observations of a Dual AGN at $z = 0.7$ ”. *ApJL* 660, L23–L26.
47. Huang, J.-S., Rigopoulou, D., Papovich, C., Ashby, M. L., Willner, S. P., Ivison, R., Laird, E. S., Webb, T., Wilson, G., **Barmby, P.**, Chapman, S., Conselice, C., McLeod, B., Shu, C. G., Smith, H. A., Le Floc’h, E., Egami, E., Willmer, C. A., and Fazio, G. G., 2007, “AEGIS: Infrared Spectroscopy of an Infrared-luminous Lyman Break Galaxy at $z=3.01$ ”. *ApJL* 660, L69–L72.
48. Huang, J.-S. et al., 2007, “The Local Galaxy $8 \mu\text{m}$ Luminosity Function”. *ApJ* 664, 840–849.
49. Le Floc’h, E. et al., 2007, “Far-Infrared Characterization of an Ultraluminous Starburst Associated with a Massively Accreting Black Hole at $z=1.15$ ”. *ApJL* 660, L65–L68.

50. Noeske, K. G. et al., 2007, “Star Formation in AEGIS Field Galaxies since $z=1.1$: The Dominance of Gradually Declining Star Formation, and the Main Sequence of Star-forming Galaxies”. *ApJL* 660, L43–L46.
51. Pierce, C. M., Lotz, J. M., Laird, E. S., Lin, L., Nandra, K., Primack, J. R., Faber, S. M., **Barmby, P.**, Park, S. Q., Willner, S. P., Gwyn, S., Koo, D. C., Coil, A. L., Cooper, M. C., Georgakakis, A., Koekemoer, A. M., Noeske, K. G., Weiner, B. J., and Willmer, C. N., 2007, “AEGIS: Host Galaxy Morphologies of X-Ray-selected and Infrared-selected Active Galactic Nuclei at $0.2 < z < 1.2$ ”. *ApJL* 660, L19–L22.
52. Symeonidis, M., Rigopoulou, D., Huang, J.-S., Davis, M., Ashby, M. L., **Barmby, P.**, Egami, E., Fazio, G. G., Le Floch, E., Rieke, G., Willner, S. P., and Wilson, G., 2007, “AEGIS: Infrared Spectral Energy Distributions of MIPS 70 μ m-selected Sources”. *ApJL* 660, L73–L76.
53. Wilson, G., Huang, J.-S., Fazio, G. G., Yan, R., Koekemoer, A. M., Salim, S., Faber, S. M., Lotz, J., Willmer, C. N., Davis, M., Coil, A. L., Newman, J. A., Conselice, C. J., Papovich, C., Ashby, M. L., **Barmby, P.**, Willner, S. P., Ivison, R., Miyazaki, S., and Rigopoulou, D., 2007, “AEGIS: A Panchromatic Study of IRAC-selected Extremely Red Objects with Confirmed Spectroscopic Redshifts”. *ApJL* 660, L59–L63.
54. Alonso-Herrero, A., Pérez-González, P. G., Alexander, D. M., Rieke, G. H., Rigopoulou, D., Le Floch, E., **Barmby, P.**, Papovich, C., Rigby, J. R., Bauer, F. E., Brandt, W. N., Egami, E., Willner, S. P., Dole, H., and Huang, J.-S., 2006, “Infrared Power-Law Galaxies in the Chandra Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies”. *ApJ* 640, 167–184.
55. Ashby, M. L., Dye, S., Huang, J.-S., Eales, S., Willner, S. P., Webb, T. M., **Barmby, P.**, Rigopoulou, D., Egami, E., McCracken, H., Lilly, S., Miyazaki, S., Brodwin, M., Blaylock, M., Cadien, J., and Fazio, G. G., 2006, “Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the Spitzer Space Telescope”. *ApJ* 644, 778–791.
56. **Barmby, P.**, Alonso-Herrero, A., Donley, J. L., Egami, E., Fazio, G. G., Georgakakis, A., Huang, J.-S., Laird, E. S., Miyazaki, S., Nandra, K., Park, S. Q., Pérez-González, P. G., Rieke, G. H., Rigby, J. R., and Willner, S. P., 2006, “Mid-Infrared Properties of X-Ray Sources in the Extended Groth Strip”. *ApJ* 642, 126–139.
57. **Barmby, P.**, Ashby, M. L., Bianchi, L., Engelbracht, C. W., Gehrz, R. D., Gordon, K. D., Hinz, J. L., Huchra, J. P., Humphreys, R. M., Pahre, M. A., Pérez-González, P. G., Polonski, E. F., Rieke, G. H., Thilker, D. A., Willner, S. P., and Woodward, C. E., 2006, “Dusty Waves on a Starry Sea: The Mid-Infrared View of M31”. *ApJL* 650, L45–L49.
58. **Barmby, P.**, Kuntz, K. D., Huchra, J. P., and Brodie, J. P., 2006, “Hubble Space Telescope Observations of Star Clusters in M101”. *AJ* 132, 883–890.
59. Buckalew, B. A. et al., 2006, “Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, Spitzer Mid-Infrared, and Radio Observations”. *ApJS* 162, 329–345.
60. Dye, S., Eales, S. A., Ashby, M. L., Huang, J.-S., Webb, T. M., **Barmby, P.**, Lilly, S., Brodwin, M., McCracken, H., Egami, E., and Fazio, G. G., 2006, “An Investigation of the Submillimeter Background Radiation Using SCUBA and Spitzer”. *ApJ* 644, 769–777.
61. Georgakakis, A., Nandra, K., Laird, E. S., Gwyn, S., Steidel, C. C., Sarajedini, V. L., **Barmby, P.**, Faber, S. M., Coil, A. L., Cooper, M. C., Davis, M., and Newman, J. A., 2006, “A deep Chandra survey of the Groth Strip - II. Optical identification of the X-ray sources”. *MNRAS* 371, 221–234.
62. Gordon, K. D., Bailin, J., Engelbracht, C. W., Rieke, G. H., Misselt, K. A., Latter, W. B., Young, E. T., Ashby, M. L., **Barmby, P.**, Gibson, B. K., Hines, D. C., Hinz, J., Krause, O., Levine, D. A., Marleau, F. R., Noriega-Crespo, A., Stolovy, S., Thilker, D. A., and Werner, M. W., 2006, “Spitzer MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure”. *ApJL* 638, L87–L92.
63. Harris, W. E., Harris, G. L., **Barmby, P.**, McLaughlin, D. E., and Forbes, D. A., 2006, “Structural Parameters for Globular Clusters in NGC 5128. II. Hubble Space Telescope ACS Imaging and New Clusters”. *AJ* 132, 2187–2197.
64. Jha, S. et al., 2006, “UBVRI Light Curves of 44 Type Ia Supernovae”. *AJ* 131, 527–554.

65. Marleau, F. R., Noriega-Crespo, A., Misselt, K. A., Gordon, K. D., Engelbracht, C. W., Rieke, G. H., **Barmby, P.**, Willner, S. P., Mould, J., Gehrz, R. D., and Woodward, C. E., 2006, “Mapping and Mass Measurement of the Cold Dust in NGC 205 with Spitzer”. *ApJ* 646, 929–938.
66. Nantais, J. B., Huchra, J. P., **Barmby, P.**, Olsen, K. A., and Jarrett, T. H., 2006, “Nearby Spiral Globular Cluster Systems. I. Luminosity Functions”. *AJ* 131, 1416–1425.
67. Rigopoulou, D., Huang, J.-S., Papovich, C., Ashby, M. L., **Barmby, P.**, Shu, C., Bundy, K., Egami, E., Magdis, G., Smith, H., Willner, S. P., Wilson, G., and Fazio, G. G., 2006, “Spitzer Observations of $z \sim 3$ Lyman Break Galaxies: Stellar Masses and Mid-Infrared Properties”. *ApJ* 648, 81–94.
68. Willner, S. P., Coil, A. L., Goss, W. M., Ashby, M. L., **Barmby, P.**, Huang, J.-S., Ivison, R., Koo, D. C., Egami, E., and Miyazaki, S., 2006, “Mid-Infrared Identification of 6 cm Radio-Source Counterparts in the Extended Groth Strip”. *AJ* 132, 2159–2170.
69. Beasley, M. A., Brodie, J. P., Strader, J., Forbes, D. A., Proctor, R. N., **Barmby, P.**, and Huchra, J. P., 2005, “The Chemical Properties of Milky Way and M31 Globular Clusters. II. Stellar Population Model Predictions”. *AJ* 129, 1412–1427.
70. Garcia, M. R., Williams, B. F., Yuan, F., Kong, A. K., Primini, F. A., **Barmby, P.**, Kaaret, P., and Murray, S. S., 2005, “A Possible Detection of M31* with Chandra”. *ApJ* 632, 1042–1047.
71. Huang, J.-S., Rigopoulou, D., Willner, S. P., Papovich, C., Shu, C., Ashby, M. L., **Barmby, P.**, Bundy, K., Conselice, C., Egami, E., Pérez-González, P. G., Rosenberg, J. L., Smith, H. A., Wilson, G., and Fazio, G. G., 2005, “Infrared Luminous Lyman Break Galaxies: A Population that Bridges LBGs and SCUBA Galaxies”. *ApJ* 634, 137–141.
72. Labbé, I., Huang, J., Franx, M., Rudnick, G., **Barmby, P.**, Daddi, E., van Dokkum, P. G., Fazio, G. G., Schreiber, N. M., Moorwood, A. F., Rix, H.-W., Röttgering, H., Trujillo, I., and van der Werf, P., 2005, “IRAC Mid-Infrared Imaging of the Hubble Deep Field-South: Star Formation Histories and Stellar Masses of Red Galaxies at $z > 2$ ”. *ApJL* 624, L81–L84.
73. Pérez-González, P. G., Rieke, G. H., Egami, E., Alonso-Herrero, A., Dole, H., Papovich, C., Blaylock, M., Jones, J., Rieke, M., Rigby, J., **Barmby, P.**, Fazio, G. G., Huang, J., and Martin, C., 2005, “Spitzer View on the Evolution of Star-forming Galaxies from $z = 0$ to $z \sim 3$ ”. *ApJ* 630, 82–107.
74. Reach, W. T., Megeath, S. T., Cohen, M., Hora, J., Carey, S., Surace, J., Willner, S. P., **Barmby, P.**, Wilson, G., Glaccum, W., Lowrance, P., Marengo, M., and Fazio, G. G., 2005, “Absolute Calibration of the Infrared Array Camera on the Spitzer Space Telescope”. *PASP* 117, 978–990.
75. Rigby, J. R., Rieke, G. H., Pérez-González, P. G., Donley, J. L., Alonso-Herrero, A., Huang, J.-S., **Barmby, P.**, and Fazio, G. G., 2005, “Why Optically Faint AGNs Are Optically Faint: The Spitzer Perspective”. *ApJ* 627, 134–139.
76. Shapley, A. E., Steidel, C. C., Erb, D. K., Reddy, N. A., Adelberger, K. L., Pettini, M., **Barmby, P.**, and Huang, J., 2005, “Ultraviolet to Mid-Infrared Observations of Star-forming Galaxies at $z \sim 2$: Stellar Masses and Stellar Populations”. *ApJ* 626, 698–722.
77. Alonso-Herrero, A. et al., 2004, “The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts”. *ApJS* 154, 155–159.
78. **Barmby, P.**, Huang, J.-S., Fazio, G. G., Surace, J. A., Arendt, R. G., Hora, J. L., Pahre, M. A., Adelberger, K. L., Eisenhardt, P., Erb, D. K., Pettini, M., Reach, W. T., Reddy, N. A., Shapley, A. E., Steidel, C. C., Stern, D., Wang, Z., and Willner, S. P., 2004, “Deep Mid-Infrared Observations of Lyman Break Galaxies”. *ApJS* 154, 97–102.
79. Beasley, M. A., Brodie, J. P., Strader, J., Forbes, D. A., Proctor, R. N., **Barmby, P.**, and Huchra, J. P., 2004, “The Chemical Properties of Milky Way and M31 Globular Clusters. I. A Comparative Study”. *AJ* 128, 1623–1645.
80. Di Stefano, R., Kong, A. K., Greiner, J., Primini, F. A., Garcia, M. R., **Barmby, P.**, Massey, P., Hodge, P. W., Williams, B. F., Murray, S. S., Curry, S., and Russo, T. A., 2004, “Supersoft X-Ray Sources in M31. I. A Chandra Survey and an Extension to Quasi-soft Sources”. *ApJ* 610, 247–260.

81. Egami, E. et al., 2004, “Spitzer Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-Luminous Galaxies”. *ApJS* 154, 130–136.
82. Eisenhardt, P. R. et al., 2004, “The Infrared Array Camera (IRAC) Shallow Survey”. *ApJS* 154, 48–53.
83. Fazio, G. G., Ashby, M. L., **Barmby, P.**, Hora, J. L., Huang, J.-S., Pahre, M. A., Wang, Z., Willner, S. P., Arendt, R. G., Moseley, S. H., Brodwin, M., Eisenhardt, P., Stern, D., Tollestrup, E. V., and Wright, E. L., 2004, “Number Counts at $3\mu\text{m} < \lambda < 10\mu\text{m}$ from the Spitzer Space Telescope”. *ApJS* 154, 39–43.
84. Fazio, G. G. et al., 2004, “The Infrared Array Camera (IRAC) for the Spitzer Space Telescope”. *ApJS* 154, 10–17.
85. Huang, J.-S., **Barmby, P.**, Fazio, G. G., Willner, S. P., Wilson, G., Rigopoulou, D., Alonso-Herrero, A., Dole, H., Egami, E., Le Floc’h, E., Papovich, C., Pérez-González, P. G., Rigby, J., Engelbracht, C. W., Gordon, K., Hines, D., Rieke, M., Rieke, G. H., Meisenheimer, K., and Miyazaki, S., 2004, “Infrared Array Camera (IRAC) Imaging of the Lockman Hole”. *ApJS* 154, 44–47.
86. Ivison, R. J. et al., 2004, “Spitzer Observations of MAMBO Galaxies: Weeding Out Active Nuclei in Starbursting Protoellipticals”. *ApJS* 154, 124–129.
87. Le Floc’h, E. et al., 2004, “Identification of Luminous Infrared Galaxies at $1 < z < 1, 2, 3, 4$ ”. *ApJS* 154, 170–173.
88. Serjeant, S. et al., 2004, “Submillimeter Detections of Spitzer Space Telescope Galaxy Populations”. *ApJS* 154, 118–123.
89. Willner, S. P., Ashby, M. L., **Barmby, P.**, Fazio, G. G., Pahre, M., Smith, H. A., Kennicutt Jr., R. C., Calzetti, D., Dale, D. A., Draine, B. T., Regan, M. W., Malhotra, S., Thornley, M. D., Appleton, P. N., Frayer, D., Helou, G., Stolovy, S., and Storrie-Lombardi, L., 2004, “Infrared Array Camera (IRAC) Observations of M81”. *ApJS* 154, 222–228.
90. Wilson, G. et al., 2004, “Extremely Red Objects in the Lockman Hole”. *ApJS* 154, 107–111.
91. Moy, E., **Barmby, P.**, Rigopoulou, D., Huang, J.-S., Willner, S. P., and Fazio, G. G., 2003, “H-band observations of the Chandra Deep Field South”. *A&A* 403, 493–499.
92. **Barmby, P.**, Holland, S., and Huchra, J. P., 2002, “M31 Globular Clusters in the Hubble Space Telescope Archive. II. Structural Parameters”. *AJ* 123, 1937–1952.
93. **Barmby, P.**, Perrett, K. M., and Bridges, T. J., 2002, “The ‘remarkable’ M31 globular cluster 037-B327 revisited”. *MNRAS* 329, 461–464.
94. Di Stefano, R., Kong, A. K., Garcia, M. R., **Barmby, P.**, Greiner, J., Murray, S. S., and Primini, F. A., 2002, “Bright X-Ray Sources in M31 Globular Clusters”. *ApJ* 570, 618–636.
95. Maraston, C., Kissler-Patig, M., Brodie, J., **Barmby, P.**, and Huchra, J., 2002, “AGB Phase Transition in Globular Clusters: A Tool for Dating Starbursts”. *ApSS* 281, 137–138.
96. **Barmby, P.** and Huchra, J. P., 2001, “M31 Globular Clusters in the Hubble Space Telescope Archive. I. Cluster Detection and Completeness”. *AJ* 122, 2458–2468.
97. **Barmby, P.**, Huchra, J. P., and Brodie, J. P., 2001, “The M31 Globular Cluster Luminosity Function”. *AJ* 121, 1482–1496.
98. Maraston, C., Kissler-Patig, M., Brodie, J. P., **Barmby, P.**, and Huchra, J. P., 2001, “The AGB phase-transition outside the local group: K-band observations of young star clusters in NGC 7252”. *A&A* 370, 176–193.
99. **Barmby, P.** and Huchra, J. P., 2000, “Testing Population Synthesis Models with Globular Cluster Colors”. *ApJL* 531, L29–L32.
100. **Barmby, P.**, Huchra, J. P., Brodie, J. P., Forbes, D. A., Schroder, L. L., and Grillmair, C. J., 2000, “M31 Globular Clusters: Colors and Metallicities”. *AJ* 119, 727–747.
101. Forbes, D. A., Masters, K. L., Minniti, D., and **Barmby, P.**, 2000, “The elliptical galaxy formerly known as the Local Group: merging the globular cluster systems”. *A&A* 358, 471–480.
102. Jha, S. et al., 1999, “The Type IA Supernova 1998BU in M96 and the Hubble Constant”. *ApJS* 125, 73–97.

103. **Barmby, P.** and Huchra, J. P., 1998, “Kinematics of the Hercules supercluster”. *AJ* 115, 6.

Conference presentations

1. **Barmby, P.**, Hemachandra, D., Peeters, E., Willner, S. P., Ashby, M., Smith, H. A., Gordon, K. D., Smith, D. A., and Fazio, G. G., 2015, “The M31 nucleus in the mid-infrared”. In: American Astronomical Society Meeting Abstracts. Vol. 225, 429.05.
2. Boyer, M. L., McQuinn, K. B., **Barmby, P.**, Bonanos, A. Z., Gehrz, R. D., Gordon, K. D., Groenewegen, M. A., Lagadec, E., Lennon, D. J., Marengo, M., McDonald, I., Meixner, M., Skillman, E. D., Sloan, G. C., Sonneborn, G., van Loon, J. T., and Zijlstra, A., 2015, “DUSTiNGS Reveals Dust Production in Very Metal Poor Galaxies”. In: American Astronomical Society Meeting Abstracts. Vol. 225, 342.24.
3. Rafiei-Ravandi, M., **Barmby, P.**, Ashby, M., Davidge, T., Laine, S. J., and Zhang, J., 2015, “Extending the Surface Brightness Profile of the Andromeda Galaxy Using Spitzer-IRAC Observations”. In: American Astronomical Society Meeting Abstracts. Vol. 225, 446.03.
4. **Barmby, P.**, Lianou, S., and Taylor, J., 2014, “Imagecube: an astronomical Python package for organizing and processing multi-wavelength astronomical data”. In: Canadian Astronomical Society meeting. Quebec.
5. Boyer, M. L., McQuinn, K. B., **Barmby, P.**, Bonanos, A. Z., Gehrz, R. D., Gordon, K. D., Groenewegen, M., Lagadec, E., Lennon, D., Marengo, M., Meixner, M., Skillman, E. D., Sloan, G. C., Sonneborn, G., van Loon, J. T., and Zijlstra, A., 2014, “Discovery of Extreme AGB Stars in the Dwarf Galaxies of the Local Group: First Results from the DUST In Nearby Galaxies with Spitzer (DUSTINGS) program”. In: American Astronomical Society Meeting Abstracts. Vol. 223, 355.07.
6. Lianou, S., **Barmby, P.**, Remy-Ruyer, A., Madden, S., Galliano, F., and Lebouteiller, V., 2014, “Star formation and interstellar medium in NGC1569”. In: European Week of Astronomy and Space Science meeting. Geneva.
7. Lianou, S., Xilouris, E., Madden, S., and Barmby, P., 2014, “Dust and gas in early-type galaxies”. In: Canadian Astronomical Society meeting. Quebec.
8. Vulic, N., Gallagher, S., and **Barmby, P.**, 2014, “Faint X-Ray Binaries and Their Optical Counterparts in M31”. In: AAS/High Energy Astrophysics Division. Vol. 14. AAS/High Energy Astrophysics Division, 110.05.
9. **Barmby, P.**, 2013, “Comparing H II regions in M31 and NGC 5128”. In: “Science with SITELLE” workshop. Wendake, Quebec.
10. Hemachandra, D., **Barmby, P.**, and Peeters, E., 2013, “Mysterious PAHs in M31”. In: Canadian Astronomical Society meeting. Vancouver.
11. Lianou, S., **Barmby, P.**, Madden, S., and Remy, A., 2013, “*Herschel* Observations of Super Star Clusters in NGC 1569”. In: Canadian Astronomical Society meeting. Vancouver.
12. Lianou, S., **Barmby, P.**, Madden, S., and Remy, A., 2013, “*Herschel* Observations of Super Star Clusters in NGC 1569”. In: Origins Star Formation Jamboree. Hamilton.
13. Lianou, S., **Barmby, P.**, Madden, S., and Remy, A., 2013, “Probing the Interstellar Medium of the NGC1569 Super Star Cluster Population with *Herschel*”. In: Hellenic Astronomical Society 11th meeting. Athens, Greece.
14. Lianou, S., **Barmby, P.**, and Taylor, J., 2013, “Imagecube: an astropy affiliated package”. In: The 11th Hellenic Astronomical Conference. Athens, Greece, 27–27.
15. Marengo, M., Evans, N. R., Matthews, L. D., Bono, G., **Barmby, P.**, Welch, D. L., Romaniello, M., Su, K. Y., Fazio, G. G., and Huelsman, D., 2013, “Evidence for Pulsation-Driven Mass Loss from δ Cephei”. In: Stellar Pulsations: Impact of New Instrumentation and New Insights. Ed. by J. C. Suárez, R. Garrido, L. A. Balona, and J. Christensen-Dalsgaard. Vol. 31. Advances in Solid State Physics, 99.
16. Rahmani, S. and **Barmby, P.**, 2013, “Testing the Extended Schmidt-Kennicutt Law in M31”. In: Canadian Astronomical Society meeting. Vancouver.

17. Vulic, N., **Barmby, P.**, and Gallagher, S., 2013, “Searching for Faint X-ray Binaries in M31”. In: Canadian Astronomical Society meeting. Vancouver.
18. Agar, J. and **Barmby, P.**, 2012, “Comparisons of M31 Globular Clusters With and Without X-ray Sources”. In: Canadian Astronomical Society meeting. Calgary.
19. Azimlu, M., Marciniak, R., and **Barmby, P.**, 2012, “New Catalog of HII Regions in M31”. In: “The Great Andromeda Galaxy” Workshop. Princeton.
20. **Barmby, P.**, 2012, “M31 in the Mid-Infrared”. In: “The Great Andromeda Galaxy” Workshop. Princeton.
21. Boyer, M. L., **Barmby, P.**, Bonanos, A. Z., Gehrz, R. D., Gordon, K. D., Groenewegen, M. A., Lagadec, E., Lennon, D. J., Marengo, M., McQuinn, K., Meixner, M., Skillman, E. D., Sloan, G. C., van Loon, J. T., and Zijlstra, A. A., 2012, “A Complete Census of Dusty Evolved Stars in Local Group Dwarf Galaxies with Spitzer: Description and First Results”. In: American Astronomical Society Meeting Abstracts #219. Vol. 219, 244.16.
22. Croley, M., **Barmby, P.**, Azimlu, M., and Rosolowsky, E., 2012, “The M31 Abundance Gradient”. In: Gemini Science and Users’ Meeting. San Francisco.
23. Croley, M., **Barmby, P.**, Azimlu, M., and Rosolowsky, E., 2012, “The M31 Abundance Gradient”. In: Canadian Astronomical Society meeting. Calgary.
24. Farhani, G., **Barmby, P.**, and Peng, E., 2012, “The Star Formation Rate in NGC 5128”. In: Canadian Astronomical Society meeting. Calgary.
25. Vulic, N., **Barmby, P.**, and Gallagher, S., 2012, “A Stacking Analysis of Star Clusters in M51: The Search for X-ray Binaries”. In: “X-ray Binaries: 2012 Chandra Science Workshop”. Boston.
26. Vulic, N., **Barmby, P.**, and Gallagher, S., 2012, “A Stacking Analysis of Star Clusters in M51: The Search for X-ray Binaries”. In: Canadian Astronomical Society meeting. Calgary.
27. Ashby, M., Mahajan, S., Smith, H. A., Willner, S., Fazio, G. G., Raychaudhury, S., Zezas, A., **Barmby, P.**, Bonfini, P., Cao, C., Gonzalez-Alfonso, E., Ishihara, D., Kaneda, H., Lyttle, V., Madden, S., Papovich, C., Sturm, E., Surace, J., Wu, H., and Zhu, Y., 2011, “The Star Formation Reference Survey – Survey Design and Basic Data”. In: American Astronomical Society Meeting Abstracts #218, 130.03.
28. Azimlu, M., **Barmby, P.**, and Marciniak, R., 2011, “New Catalog of H II Regions in M31”. In: American Astronomical Society Meeting Abstracts #218, 106.02.
29. Azimlu, M., Marciniak, R., and **Barmby, P.**, 2011, “A New Catalog of HII Regions in M31”. In: Canadian Astronomical Society meeting. London.
30. **Barmby, P.**, Cami, J., and Gallagher, S., 2011, “Citizen science projects for non-science astronomy students”. In: The Western Conference on Science Education. London.
31. **Barmby, P.** and Jalilian, F. F., 2011, “Globular Cluster Colors Versus Population Synthesis Models”. In: American Astronomical Society Meeting Abstracts #218, 133.12.
32. **Barmby, P.** and Jalilian, F., 2011, “Globular Cluster Colors Versus Populations Synthesis Models”. In: Canadian Astronomical Society meeting. London.
33. Hill, A., Gallagher, S., **Barmby, P.**, Fedotov, K., and Tzanavaris, P., 2011, “Characterizing the Nuclear Structure and Activity in Compact Group Galaxies: A Case Study of HCG 7, HCG 42, and HCG 59”. In: Canadian Astronomical Society meeting. London.
34. Marengo, M., Evans, N. R., **Barmby, P.**, Matthews, L. D., Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y., and Fazio, G. G., 2011, “The Delta Cephei Infrared Nebula”. In: American Astronomical Society Meeting Abstracts #217. Vol. 43, 434.19.
35. Marengo, M., Evans, N. R., Matthews, L. D., Bono, G., **Barmby, P.**, Welch, D. L., Romaniello, M., Su, K. Y., Fazio, G. G., and Huelsman, D., 2011, “Evidence for Pulsation-Driven Mass Loss from delta Cephei”. ArXiv e-prints.
36. Shiu, H. and **Barmby, P.**, 2011, “Mass-loss rates of AGB stars in six dwarf spheroidal galaxies”. In: Canadian Astronomical Society meeting. London.

37. Vulic, N., **Barmby, P.**, and Gallagher, S., 2011, “Low-Mass X-Ray Binaries in Globular Cluster systems in M51”. In: Canadian Astronomical Society meeting. London.
38. Azimlu, M., Fich, M., and **Barmby, P.**, 2010, “Study of Molecular Clouds Associated with HII Regions: Initial Characteristics of Massive Star Forming Regions”. In: “From Stars to Galaxies”. Gainesville, FL.
39. **Barmby, P.**, 2010, “Online Homework Systems for Introductory Astronomy”. In: “Cosmos in the Classroom”. Boulder, CO.
40. **Barmby, P.**, 2010, “Spitzer Colors of Everything in the Universe: A Field Guide for the Perplexed”. In: From Stars to Galaxies: Connecting our Understanding of Star and Galaxy Formation.
41. Dominguez, A., Primack, J. R., Rosario, D., Prada, F., Gilmore, R., Faber, S. M., Koo, D. C., Somerville, R. S., Perez-Torres, M., Perez-Gonzalez, P., Huang, J. S., Davis, M., Guhathakurta, P., **Barmby, P.**, Con- selice, C. J., Lozano, M., Newman, J. A., and Cooper, M. C., 2010, “Extragalactic Background Light In- ferred from AEGIS Galaxy SED-type Fractions”. In: 25th Texas Symposium on Relativistic Astrophysics.
42. Huelsman, D. M., Marengo, M., Evans, N. R., **Barmby, P.**, Bono, G., Welch, D. L., Romaniello, M., and Fazio, G. G., 2010, “Observations of Cepheids with Spitzer”. In: American Astronomical Society Meeting Abstracts #215. Vol. 42, 417.06.
43. Mahajan, S., Ashby, M., Willner, S., Raychaudhury, S., Barmby, P., Bonfini, P., Cao, C., Fazio, G., Gonzalez-Alfonso, E., Kaneda, H., Madden, S., Papovich, C., Smith, H., Sturm, E., Wu, H., Yinnan, Z., and Zezas, A., 2010, “Star Formation Reference Survey”. In: “Extragalactic Star Formation”. Windsor, UK.
44. Remage Evans, N., Marengo, M., **Barmby, P.**, Matthews, L. D., Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y., and Fazio, G., 2010, “Discovery Of An Infrared Bow Shock Associated With Delta Cephei”. In: American Astronomical Society Meeting Abstracts #216. Vol. 41, 426.01.
45. Shiu, H. and **Barmby, P.**, 2010, “AGB Stars in the Fornax Dwarf Spheroidal Galaxy”. In: Canadian As- tronomical Society meeting. Halifax.
46. Smith, D. A., Gordon, K. D., Nagy, Z., Rieke, G., Misselt, K., Engelbracht, C., and **Barmby, P.**, 2010, “Mid-Infrared Features of M33 HII and Diffuse Regions: Tracing Dust Composition and Formation”. In: American Astronomical Society Meeting Abstracts #215. Vol. 42, 431.22.
47. **Barmby, P.**, Ashby, M. L., Hora, J. L., Gordon, K. D., Jarrett, T. H., and Shiu, H., 2009, “Local Group Dwarf Spheroidal Galaxies as Seen by *Spitzer*”. In: American Astronomical Society Meeting Abstracts #214. Vol. 214, 419.03.
48. **Barmby, P.**, Bellazzini, M., Cohen, J., Hodge, P., Perina, S., Puzia, T., and Strader, J., 2009, “HST Ob- servations of Young Star Clusters in M31”. In: “Unveiling the Mass: Extracting and Interpreting Galaxy Masses”. Kingston.
49. **Barmby, P.**, Perina, S., Bellazzini, M., Cohen, J., Hodge, P., Puzia, T., and Strader, J., 2009, “Structure of Young Star Clusters in M31”. In: Canadian Astronomical Society meeting. Toronto.
50. Marengo, M., Evans, N. R., **Barmby, P.**, Bono, G., and Welch, D., 2009, “Spitzer Detection of Cepheid Circumstellar Emission”. In: The Evolving ISM in the Milky Way and Nearby Galaxies.
51. Prada Moroni, P. G., **Barmby, P.**, Bono, G., Fazio, G., Ferraro, I., Marengo, M., and Buonanno, R., 2009, “Mid-IR excess in the globular cluster 47 Tuc .” MemSAI 80, 117.
52. Remage Evans, N., Marengo, M., **Barmby, P.**, Bono, G., Welch, D., and Romaniello, M., 2009, “Spitzer Observations of Galactic Classical Cepheids”. In: American Astronomical Society Meeting Abstracts #214. Vol. 214, 430.02.
53. **Barmby, P.**, 2008, “Nearby Galaxies: Beyond Spitzer and Herschel”. In: Far-Infrared Discipline Working Group meeting. Waterloo.
54. **Barmby, P.**, 2008, “Star Formation in M31”. In: Ontario Star Formation Jamboree. London.

55. **Barmby, P.**, Marengo, M., van Loon, J. T., Polomski, E., Fazio, G. G., Gehrz, R., Woodward, C. E., and Boyer, M., 2008, "The elusive intracluster medium in globular clusters". In: 37th COSPAR Scientific Assembly. Vol. 37, 191.
56. Marleau, F. R., Noriega-Crespo, A., Misselt, K., Gordon, K., Rieke, G. H., **Barmby, P.**, Willner, S., and Engelbracht, C., 2008, "A Spatially Resolved Study of the Cold Dust in NGC~205". In: Infrared Diagnostics of Galaxy Evolution. Ed. by R.-R. Chary, H. I. Teplitz, and K. Sheth. Vol. 381. Astronomical Society of the Pacific Conference Series, 177.
57. Patel, B., Liu, J., Di Stefano, R., Primini, F. A., Nelson, T., Orio, M., **Barmby, P.**, Kong, A. K., and Scoles, S., 2008, "Supersoft Sources and Quasisoft Sources in M31: The Stellar Populations in which they Live". In: American Astronomical Society Meeting Abstracts #211. Vol. 211, 162.28.
58. **Barmby, P.**, 2007, "Conference Summary (invited review)". In: "The Evolving ISM in the Milky Way and Nearby Galaxies". Pasadena.
59. **Barmby, P.**, Ashby, M., Devereux, N., Fazio, G., Gordon, K., Peeters, E., Smith, H., Thilker, D., and Willner, S., 2007, "Initial Views of M31's Mysterious PAHs". In: "The Evolving ISM in the Milky Way and Nearby Galaxies". Pasadena.
60. Evans, N. R., **Barmby, P.**, Marengo, M., Bono, G., Welch, D., and Romaniello, M., 2007, "Spitzer Observations of Classical Cepheids". In: American Astronomical Society Meeting Abstracts #210. Vol. 39, 112.
61. Marengo, M., Hora, J. L., **Barmby, P.**, Willner, S. P., Allen, L. E., Schuster, M. T., and Fazio, G. G., 2007, "Spitzer/IRAC Characterization of Galactic AGB Stars". In: Why Galaxies Care About AGB Stars: Their Importance as Actors and Probes. Ed. by F. Kerschbaum, C. Charbonnel, and R. F. Wing. Vol. 378. Astronomical Society of the Pacific Conference Series, 80.
62. Pierce, C. M., Lotz, J. M., Laird, E. S., Lin, L., Nandra, K., Yan, R., Primack, J. R., Faber, S. M., **Barmby, P.**, Park, S. Q., Willner, S. P., Gwyn, S., Koo, D. C., Coil, A. L., Cooper, M. C., Georgakakis, A., Koekemoer, A. M., Noeske, K. G., Weiner, B. J., and Willmer, C. N., 2007, "Host Galaxy Morphologies of X-Ray and Optical Spectra-Selected Active Galactic". In: Space Telescope Science Institute Symposium: Black Holes.
63. Smith, H. A., Ashby, M., **Barmby, P.**, Cao, C., Chakrabarti, S., Fazio, G. G., Gonzalez-Alfonso, E., Huang, J. S., Madden, S., Noeske, K., Papovich, C., Pahre, M. A., Robitaille, T., Surace, J., Strum, E., Wang, Z., Whitney, B., Willner, S. P., Wu, H., and Zezas, A., 2007, "The Herschel Reference Bright Galaxy Survey". In: American Astronomical Society Meeting Abstracts. Vol. 39, 894.
64. Ashby, M., Arendt, R. G., Pipher, J. L., Forrest, W. J., Marengo, M., **Barmby, P.**, Willner, S. P., Stauffer, J. R., and Fazio, G. G., 2006, "A Search for Faint, Diffuse Halo Emission in Edge-On Galaxies with Spitzer/IRAC". In: American Astronomical Society Meeting Abstracts. Vol. 38, 923.
65. Ashby, M., Dye, S., Huang, J., Eales, S., Willner, S. P., Webb, T. M., **Barmby, P.**, Rigopoulou, D., Egami, E., McCracken, H., Lilly, S., Miyazaki, S., Brodwin, M., Blaylock, M., Cadien, J., and Fazio, G., 2006, "Identifying SCUBA Galaxies with Spitzer Observations of the CUDSS 14 h Field". In: American Astronomical Society Meeting Abstracts #208. Vol. 38, 145.
66. **Barmby, P.**, Ashby, M. L., Pahre, M. A., Willner, S. P., Huchra, J. P., Gehrz, R. D., Polomski, E. F., Woodward, C. E., Humphreys, R. M., Gordon, K. D., Hinz, J. L., Engelbracht, C. W., Perez-Gonzalez, P. G., Rieke, G. H., Bianchi, L., and Thilker, D. H., 2006, "Mid-infrared Observations Of M31". In: American Astronomical Society Meeting Abstracts #208. Vol. 38, 94.
67. **Barmby, P.**, Boyer, M. L., Bono, G., Ferraro, I., and Marengo, M., 2006, "Spitzer Observations of Galactic Globular Clusters". In: American Astronomical Society Meeting Abstracts. Vol. 38, 938.
68. Eisenhardt, P. R., Brodwin, M., Gonzalez, A., Stanford, S. A., Stern, D., **Barmby, P.**, Dey, A., Brown, M. J., Huang, J., Jannuzi, B. T., and Pahre, M. A., 2006, "Clusters of Galaxies in the First Half of the Universe from the IRAC Shallow Survey". In: American Astronomical Society Meeting Abstracts. Vol. 38, 161.05.

69. Gorjian, V., Brodwin, M., Kochanek, C. S., Murray, S., Stern, D., Brand, K., Eisenhardt, P., Ashby, M., **Barmby, P.**, Brown, M. J., Dey, A., Forman, W. R., Jannuzi, B. T., Jones, C., Kenter, A., Pahre, M. A., Shields, J. C., and Werner, M. W., 2006, “Mid-Infrared Properties of X-ray Sources”. In: American Astronomical Society Meeting Abstracts. Vol. 38, 161.01.
70. Polonski, E., Gehrz, R. D., Woodward, C. E., Humphreys, R. M., Boyer, M., Brandl, B. R., van Loon, J., Fazio, G., Willner, S. P., **Barmby, P.**, Ashby, M., Pahre, M., Rieke, G., Gordon, K., Hinz, J., Engelbracht, C., Alonso-Herrero, A., Misselt, K., Pérez-González, P. G., and Roellig, T., 2006, “Multi-Epoch Imaging and Spectroscopy of M33”. In: Astronomical Society of the Pacific Conference Series. Ed. by L. Armus and W. T. Reach. Vol. 357, 196.
71. Rigby, J. R., Rieke, G. H., Pérez-González, P. G., Donley, J. L., Alonso-Herrero, A., Huang, J.-S., **Barmby, P.**, and Fazio, G. G., 2006, “Optically-Faint AGN with Spitzer: SEDs, Redshifts, Luminosities, and Space Densities”. In: Astronomical Society of the Pacific Conference Series. Ed. by L. Armus and W. T. Reach. Vol. 357, 284.
72. Scoles, S., Patel, B., Di Stefano, R., Liu, J., **Barmby, P.**, and Primini, F., 2006, “The Search for Optical Counterparts to Supersoft X-ray Sources near the Nucleus of M31”. In: American Astronomical Society Meeting Abstracts. Vol. 38, 939.
73. **Barmby, P.** et al., 2005, “Mid-Infrared Properties of X-ray Sources in the Extended Groth Strip”. In: “Infrared Diagnostics of Galaxy Formation”. Pasadena.
74. Buckalew, B. et al., 2005, “Spitzer imagery of embedded ultra-young star clusters in M33”. In: Starbursts: From 30 Doradus to Lyman Break Galaxies. Ed. by R. de Grijs and R. M. González Delgado. Vol. 329. Astrophysics and Space Science Library, 8P.
75. Gehrz, R. D. et al., 2005, “Spitzer Images and Spectroscopy of M33”. In: American Astronomical Society Meeting Abstracts #206. Vol. 37, 451.
76. Pérez-González, P. G. et al., 2005, “Cosmological Surveys with the Spitzer Space Telescope”. In: Revista Mexicana de Astronomía y Astrofísica Conference Series. Ed. by A. M. Hidalgo-Gómez, J. J. González, J. M. Rodríguez Espinosa, and S. Torres-Peimbert. Vol. 24, 205–209.
77. Smith, H. A., Allen, L., Megeath, T., **Barmby, P.**, Calvet, N., Fazio, G., Hartmann, L., Myers, P., Marengo, M., Gutermuth, R., Pipher, J., D’Alessio, P., Merin, B., Reach, B., Noriega-Crespo, A., Marston, T., and Muzerolle, J., 2005, “Star formation as seen by the Infrared Array Camera on Spitzer”. In: ESA Special Publication. Ed. by A. Wilson. Vol. 577. ESA Special Publication, 197–200.
78. Ashby, M. L., Pipher, J. L., Forrest, W. J., Arendt, R. G., Willner, S. P., **Barmby, P.**, Stauffer, J. R., Smith, H. A., Bock, J. J., and Fazio, G. G., 2004, “Mid-Infrared Observations of Extended Light in the Spiral Galaxy NGC 5907”. In: American Astronomical Society Meeting Abstracts. Vol. 36. Bulletin of the American Astronomical Society, 1444.
79. Ashby, M. L., Pipher, J. L., Forrest, W. J., Stauffer, J. R., **Barmby, P.**, Willner, S. P., Fazio, G. G., Smith, H. A., Arendt, R. G., and Bock, J. J., 2004, “Mid-Infrared Observations of the Halo of NGC 5907”. In: American Astronomical Society Meeting Abstracts #204. Vol. 36, 717.
80. **Barmby, P.**, Huang J.-S. Fazio, G., Pahre, M., and Willner, S., 2004, “Deep Mid-infrared Imaging with the Spitzer Space Telescope”. In: Canadian Astronomical Society meeting. Winnipeg.
81. **Barmby, P.**, Laine, S., Lacy, M., and IRAC team, 2004, “Doing Science with the Spitzer Space Telescope”. In: Canadian Astronomical Society meeting. Winnipeg.
82. **Barmby, P.**, Wang, Z., Marengo, M., and Ashby, M. L., 2004, “SIP: a modern flexible data pipeline”. In: Optimizing Scientific Return for Astronomy through Information Technologies. Ed. by P. J. Quinn and A. Bridger. Vol. 5493. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 460–466.
83. Carey, S. J. et al., 2004, “Observing with the infrared array camera (IRAC) on the Spitzer Space Telescope”. In: Optical, Infrared, and Millimeter Space Telescopes. Ed. by J. C. Mather. Vol. 5487. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 211–222.

84. Fazio, G. G. et al., 2004, "In-Flight Performance of the Infrared Array Camera (IRAC) for the Spitzer Space Telescope". In: American Astronomical Society Meeting Abstracts #204. Vol. 36, 699.
85. Gordon, K., Rieke, G., Krause, O., Engelbracht, C., Hinz, J., Misselt, K., Perez-Gonzalez, P., Su, K., Young, E., Latter, W., Levine, D., Stolovy, S., Noriega-Crespo, A., Hines, D., Werner, M., Thilker, D., Bianchi, L., Braun, R., Mould, J., and **Barmby, P.**, 2004, "The Multiwavelength View of M31 including New Spitzer/MIPS Infrared Images". In: American Astronomical Society Meeting Abstracts. Vol. 36. Bulletin of the American Astronomical Society, 141.04.
86. Hora, J. L. et al., 2004, "In-flight performance and calibration of the Infrared Array Camera (IRAC) for the Spitzer Space Telescope". In: Optical, Infrared, and Millimeter Space Telescopes. Ed. by J. C. Mather. Vol. 5487. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 77–92.
87. Pahre, M. A., Ashby, M. L., **Barmby, P.**, Fazio, G. G., Huang, J.-S., Smith, H. A., Wang, Z., Willner, S. P., Pipher, J. L., Forrest, W. J., Arendt, R. G., Fixsen, D. J., Moseley, S. H., Eisenhardt, P. R., Brodwin, M., Gorjian, V., Stern, D., Tollestrup, E. V., and Wright, E. L., 2004, "IRAC Extragalactic GTO Program: From Nearby Galaxies to the High Redshift Universe". In: American Astronomical Society Meeting Abstracts #204. Vol. 36, 700.
88. Patten, B. M., Hora, J. L., Fazio, G. G., **Barmby, P.**, Wang, Z., and Makovoz, D., 2004, "Normal and unusual transient events in IRAC images". In: Optical, Infrared, and Millimeter Space Telescopes. Ed. by J. C. Mather. Vol. 5487. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 223–233.
89. Pipher, J. L. et al., 2004, "Comparison of laboratory and in-flight performance of infrared array camera (IRAC) detector arrays on Spitzer Space Telescope". In: Optical, Infrared, and Millimeter Space Telescopes. Ed. by J. C. Mather. Vol. 5487. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 234–243.
90. Polonski, E., Gehr, R. D., Humphreys, R. M., Woodward, C. E., Fazio, G., Willner, S., **Barmby, P.**, Ashby, M., Pahre, M., van Loon, J., Rieke, G., Gordon, K., Hinz, J., Engelbracht, C. W., Misselt, K. A., Perez, P. G., Brandl, B. R., Roellig, T., and Alonso-Herrero, A., 2004, "The Spitzer Space Telescope M33 Project: First Epoch Images". In: American Astronomical Society Meeting Abstracts #204. Vol. 36, 811.
91. Roscioli, M., **Barmby, P.**, Huang, J.-S., Ashby, M. L., and Fazio, G. G., 2004, "Morphologies of Mid-Infrared Galaxies". In: American Astronomical Society Meeting Abstracts. Vol. 36. Bulletin of the American Astronomical Society, 1450.
92. Stern, D., Eisenhardt, P., Gorjian, V., Kochanek, C. S., Eisenstein, D., **Barmby, P.**, Brodwin, M., Brown, M. J., Caldwell, N., Cool, R., Dey, A., Green, P., Jannuzi, B. T., Murray, S., Pahre, M. A., and Willner, S. P., 2004, "Mid-Infrared Selection of Active Galaxies". In: American Astronomical Society Meeting Abstracts. Vol. 36. Bulletin of the American Astronomical Society, 1388.
93. Thilker, D. A. et al., 2004, "A complete census of massive star formation in M31 and M33: The relation between star formation and ISM properties". In: American Astronomical Society Meeting Abstracts. Vol. 36, 141.05.
94. **Barmby, P.**, 2003, "Globular Cluster Systems of Spirals". In: Extragalactic Globular Cluster Systems. Ed. by M. Kissler-Patig, 143.
95. Fazio, G. G. et al., 2003, "In-flight Performance of the Infrared Array Camera (IRAC) for SIRTf". In: American Astronomical Society Meeting Abstracts. Vol. 35, 1242.
96. Hora, J. L. et al., 2003, "Performance of the infrared array camera (IRAC) for SIRTf during instrument integration and test". In: IR Space Telescopes and Instruments. Ed. by J. C. Mather. Vol. 4850. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 83–97.
97. Kong, A., di Stefano, R., Friedman, R., and **Barmby, P.**, 2003, "Luminous Extragalactic X-Ray Globular Clusters". In: IAU Joint Discussion. Vol. 6.
98. Kong, A., di Stefano, R., Friedman, R., and **Barmby, P.**, 2003, "Luminous Extragalactic X-ray Globular Clusters". In: IAU meeting 25. Sydney.

99. Kuntz, K. D., **Barmby, P.**, Mukai, K., and Snowden, S. L., 2003, "Optical Identification of the X-ray Point Source Population of M101". In: American Astronomical Society Meeting Abstracts. Vol. 35, 116.02.
100. Willner, S. P. et al., 2003, "Extragalactic Science Results with IRAC". In: American Astronomical Society Meeting Abstracts. Vol. 35, 1244.
101. **Barmby, P.**, 2002, "M31 Globular Cluster Metallicities and Ages". In: Extragalactic Star Clusters. Ed. by D. P. Geisler, E. K. Grebel, and D. Minniti. Vol. 207. IAU Symposium. Pucón, Chile, 58.
102. Di Stefano, R., Greiner, J., Kong, A., Garcia, M. R., Primini, F. A., **Barmby, P.**, Murray, S. S., and Curry, S., 2002, "Chandra's View of Luminous Supersoft X-Ray Sources in M31". In: APS Meeting Abstracts, 17072.
103. Friedman, R. B., Di Stefano, R., Kong, A. K., **Barmby, P.**, and Kundu, A., 2002, "Globular Cluster X-Ray Sources and Supersoft Sources in NGC 4472 and M87". In: American Astronomical Society Meeting Abstracts. Vol. 34. Bulletin of the American Astronomical Society, 1200.
104. Garcia, M. R., Kong, A., Dosaj, A., McClintock, J. E., Primini, F. A., Di Stefano, R., **Barmby, P.**, and Murray, S. S., 2002, "Chandra Synoptic Observations of M31". In: APS Meeting Abstracts, 11008.
105. **Barmby, P.**, 2001, "Up-close and Personal Views of M31 Globular Clusters". In: Canadian Astronomical Society meeting. Hamilton.
106. **Barmby, P.**, Huang, J.-S., Willner, S. P., and Eisenhardt, P., 2001, "An Optical/Near-Infrared Survey of the Lockman Hole". In: American Astronomical Society Meeting Abstracts. Vol. 33. Bulletin of the American Astronomical Society, 1315.
107. Di Stefano, R., Kong, A., Garcia, M., **Barmby, P.**, Grenier, J., Murray, S., and Primini, F., 2001, "Bright X-Ray Sources in M31 Globular Clusters". In: "New Visions of the X-ray Universe in the XMM-Newton and Chandra Era". Noordwijk, The Netherlands.
108. Di Stefano, R., Kong, A., Garcia, M., **Barmby, P.**, Grenier, J., Murray, S., and Primini, F., 2001, "Bright X-Ray Sources in M31 Globular Clusters". In: "Two Years of Science with Chandra". Washington.
109. Garcia, M. R., Kong, A., Primini, F. A., **Barmby, P.**, Di Stefano, R., McClintock, J. E., and Murray, S. S., 2001, "Chandra Observations of M31* and M31 Transients". In: Two Years of Science with Chandra.
110. Polonski, E., Gehrz, R. D., Humphreys, R., Woodward, C. E., Jones, T. J., Lyke, J., Eicher, K., Willner, S., **Barmby, P.**, Huchra, J., and Strom, S., 2001, "SQUID Imaging of the M 33 Core". In: American Astronomical Society Meeting Abstracts #198. Vol. 33. Bulletin of the American Astronomical Society, 796.
111. **Barmby, P.**, 2000, "Globular cluster ages and the formation of M31". In: American Astronomical Society Meeting Abstracts. Vol. 32. Bulletin of the American Astronomical Society, 1440.
112. **Barmby, P.** and Huchra, J., 2000, "Testing Population Synthesis Models With Globular Cluster Colors". In: "The Evolution of Galaxies: 1. Observational Clues". Granada, Spain.
113. **Barmby, P.**, Huchra, J., and Brodie, J., 2000, "Radial Variation in the M31 Globular Cluster Luminosity Function". In: "Victoria Conference on Computational Cosmology". Victoria, Canada.
114. **Barmby, P.**, Huchra, J. P., Brodie, J. P., Schroder, L. L., Grillmair, C. J., and Forbes, D. A., 1999, "Colors and Metallicities of M31 Globular Clusters". In: American Astronomical Society Meeting Abstracts #194. Vol. 31. Bulletin of the American Astronomical Society, 844.
115. **Barmby, P.** and Huchra, J., 1997, "Kinematics of the Hercules Supercluster". In: "Clusters of Galaxies at Low and High Redshifts". Ruidoso, New Mexico.