

Pauline Barmby

September 2018

Department of Physics & Astronomy
Western University
London, ON N6A 5B9 Canada
pbarmby@uwo.ca
Phone: (519) 661-2111 ext. 81557

ORCID: <https://orcid.org/0000-0003-2767-0090>

GitHub: <https://github.com/PBarmby>

Group website: <https://nearby-galaxies.github.io>

Education

PhD, Astronomy	Harvard University	2001
AM, Astronomy	Harvard University	1998
BSc (Hons), Physics & Astronomy	University of British Columbia	1995

Experience

Acting Dean	Faculty of Science, Western University	2017–2018
Associate Dean, Graduate & Postdoctoral Studies	Faculty of Science, Western University	2015–2017
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

Research Grants

Nearby Galaxies Observed with Real & Virtual Telescopes <i>PI</i>	\$100k	NSERC Discovery Grant	2018–2023
The Geography of Galaxies <i>PI</i>	\$8k	Mitacs Globalink	2018
Astroinformatics <i>PI</i>	\$8k	Mitacs Globalink	2014
Assembling the Big Picture of Nearby Galaxies <i>PI</i>	\$135k	NSERC Discovery Grant	2013–2018
Astroinformatics <i>PI</i>	\$84k	Western University ADF	2012–2014
Star Formation Histories of Nearby Galaxies <i>PI</i>	\$125k	NSERC Discovery Grant	2008–2013
Star Formation Histories of Nearby Galaxies <i>PI</i>	\$140k	Ontario Early Researcher Award	2008–2013
Old and New Stars Revealed by Infrared Imaging <i>PI</i>	\$4k	Western University ADF	2008–2009
Star Formation & Star Clusters in Nearby Galaxies <i>PI</i>	\$40k	NSERC Discovery Grant	2007–2008
Mass Loss in Cepheid Variables <i>Co-I</i>	\$28k	Spitzer Science Center	2006–2009
A Complete Map of M31 with IRAC <i>PI</i>	\$74k	Spitzer Science Center	2005–2007
Imaging of the Extended Groth Strip <i>Co-I</i>	\$7k	Chandra X-ray Center	2004–2006
The Most Massive Star Clusters <i>Co-I</i>	\$18k	STScI	2004–2006
Stellar Populations in M101 <i>Co-I</i>	\$16k	STScI	2002–2005

Values are totals over grant lifetime allocated to my research.

The Giant Elliptical Galaxy Hiding in our Backyard: The Resolved X-ray Binary Population of Maffei 1 <i>Co-I</i>	N/A	Chandra X-ray Center	2018–2020
Canadian Advanced Network for Astronomy Research [community resource at NRC] <i>PI</i>	N/A	Compute Canada Research Platforms and Portals	2018
The Cluster Population of UGC 2885 <i>Co-I</i>	N/A	Space Telescope Science Inst. (STScI)	2017–2019
Far Out: Tracing the Mass in M31 <i>PI*</i>	N/A	Spitzer Science Center	2012
The Local Group Dwarf Spheroidals <i>PI*</i>	N/A	Spitzer Science Center	2008–2011

*PI**=proposal *PI*, funding allocated only to US *Co-Is* per NASA regulation.

Telescope Time Awards

SIGNALS: Star formation, Ionized Gas, and Nebular Abundances Legacy Survey <i>Co-I</i>	55 nt	CFHT	2018–22
The Giant Elliptical Galaxy Hiding in our Backyard: The Resolved 1-30 keV X-ray Binary Population in Maffei 1 <i>Co-I</i>	125 ks	Chandra	2018
The Giant Elliptical Galaxy Hiding in our Backyard: The Resolved X-ray Binary Population of Maffei 1 <i>Co-I</i>	200 ks	NuSTAR	2018
Dancing in the Dark: GMOS Imaging of a Nearby Dwarf Galaxy Pair <i>Co-I</i>	4 h	Gemini	2018
Wide-field near-infrared imaging of Maffei 1 <i>PI</i>	13.8 h	CFHT	2017
VESTIGE: Virgo Environmental Survey Tracing Ionised Gas Emission <i>Co-I</i>	50 nt	CFHT	2017
The cluster population of UGC 2885 <i>Co-I</i>	12 orb	Hubble	2017
HASHTAG: HARP and SCUBA-2 High Resolution Terahertz An- dromeda Galaxy Survey <i>Co-I</i>	280 h	JCMT	2017
Investigating Compact Binaries in the Sculptor Dwarf Galaxy <i>Co-I*</i>	3.6 h	Gemini	2015
Early-type galaxies in H α +continuum with MegaCam <i>Co-I*</i>	3.5 h	CFHT	2014
Tucana and VV124 in H α +continuum with GMOS <i>Co-I*</i>	8 h	Gemini	2014
HII regions in NGC 5128 <i>PI</i>	14.8 h	Gemini	2013
SCUBA-2 M101 <i>Co-I</i>	8 h	JCMT	2013
Mass Loss from Classical Cepheids and their Progenitors <i>Co-I</i>	26 h	Herschel	2011
The M31 Abundance Gradient <i>PI</i>	16 h	Gemini	2011
Mapping the Molecular Cloud Associated with Massive Star Forming Complex G24 in the Galactic Plane <i>Co-I*</i>	13 h	JCMT	2011
Far Out: Tracing the Mass in M31 <i>PI</i>	41 h	Spitzer	2011
A Complete Census of Dusty Evolved Stars in LG Dwarf Galaxies <i>Co-I</i>	120 h	Spitzer	2011
Understanding the Nature of the Possible IMBH in UMi <i>Co-I</i>	2 h	Gemini	2010
Radial Velocity and Metallicity Determinations for Remote Globular Clusters in M31 and M33 <i>Co-I</i>	4.5 nt	KPNO	2009
Stellar Populations in 3 Milky Way dSphs <i>PI</i>	1.6 h	CFHT	2009
SEDS: Spitzer Extended Deep Survey <i>Co-I</i>	2108 h	Spitzer	2008
Stellar Mass in the Outer Disks of Nearby Galaxies <i>PI</i>	15 h	CFHT	2008

The Local Group Dwarf Spheroidals <i>PI</i>	30 h	Spitzer	2007
Mass Loss from Classical Cepheids II <i>Co-I</i>	21 h	Spitzer	2007
The Evolution of Faint AGN at High Redshift <i>Co-I</i>	46 h	Spitzer	2007
The Evolution of Faint AGN at High Redshift <i>Co-I</i>	1800 ks	Chandra	2007
X-ray localization of the Globular Cluster G1 in M31 <i>Co-I</i>	35 ks	Chandra	2007
AGN in the Extended Groth Strip <i>Co-I*</i>	3 nt	MMT	2007
Mass Loss From Classical Cepheids <i>Co-I</i>	15 h	Spitzer	2006
Very Young Globular Clusters in M31 <i>Co-I</i>	21 orb	Hubble	2006
Bolometric SFR as a Function of Large-Scale Environment at $z = 2$ <i>Co-I</i>	23 h	Spitzer	2005
A Complete IRAC Map of M31 <i>PI</i>	36 h	Spitzer	2004
The Most Massive Star Clusters <i>Co-I</i>	24 orb	Hubble	2004
Star Clusters and Stellar Populations in M81 <i>Co-I</i>	12 orb	Hubble	2004
Deep Chandra Imaging of the Extended Groth Strip <i>Co-I</i>	1400 ks	Chandra	2004
High-Redshift Galaxies in the Extended Groth Strip <i>Co-I</i>	19 h	VLA	2002
The M31 Near-infrared Globular Cluster Luminosity Function <i>PI</i>	3 nt	IRTF	2002
Stellar Populations in M101 <i>Co-I</i>	13 orb	Hubble	2001
various programs as graduate student <i>PI</i>	25 nt	FLWO	–2001

*Co-I** indicates that proposal *PI* was a trainee under my supervision.

Fellowships and Awards

Science Leadership Fellow	University of Toronto	2014
Florence Bucke Prize	Western Faculty of Science	2014
Outreach Award (to entire Astronomy group)	Western Faculty of Science	2010
Group Achievement Award (to Spitzer Space Telescope Payload Team)	NASA	2004
Graduate Teaching Award	Harvard University	1997, 1999
Margaret Weyerhauser Jewitt Memorial Fellowship	Harvard University	1996
Canada Scholar	Government of Canada	1990–1995

Teaching Experience

Courses taught at Western University

Astronomy 9610	Fundamentals of Modern Astrophysics (c)	9 grads	2014
Astronomy 2022	The Origin of the Universe	190 undergrads	
Physics 1402	Physics for Engineers II	385 undergrads	2013–14
Astronomy 9028	Data and Error Analysis (c)	12 grads	
Astronomy 9610	Fundamentals of Modern Astrophysics (c)	10 grads	
Astronomy 9612	Fundamentals of Computation (c)	12 grads	2012–13
Physics 1402	Physics for Engineers II	370 undergrads	
Astronomy 9610	Fundamentals of Modern Astrophysics (c)	7 grads	
Astronomy 1021	General Astronomy	85 undergrads	2011–12
Physics 1402	Physics for Engineers	180 undergrads	
Astronomy 9610	Fundamentals of Modern Astrophysics (c)	7 grads	
Astronomy 1021	General Astronomy	150 undergrads	2010–11
Astronomy 9610	Introduction to Astrophysics (t)	13 grads	
Physics 1024	Introductory Physics (c)	34 undergrads	2009–10
Astronomy 4602	Gravitational Astrophysics & Cosmology	10 undergrads	
Astronomy 1021	General Astronomy	135 undergrads	
Astronomy 9620	Galactic and Extragalactic IR Astronomy (c)	6 grads	
Astronomy 1021	General Astronomy	135 undergrads	2008–09
Physics 9028	Data and Error Analysis (c)	11 grads	
Astronomy 96xx	Extragalactic Star Formation (reading course)	1 grad	2007–08
Astronomy 4602	Gravitational Astrophysics & Cosmology	10 undergrads	
Astronomy 9620	Galactic and Extragalactic IR Astronomy (c)	6 grads	
Calculus 1000	Calculus I	90 undergrads	

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

Computing workshops taught

R-Ladies London	Introduction to Git and GitHub	2017
Western University	Software Carpentry	2016
University of Toronto	Software Carpentry	2015
Western University	Software Carpentry	2015
American Astronomical Society Meeting	Software Carpentry	2015
University of Toronto	Software Carpentry	2014
Mozilla Toronto	Software Carpentry	2014
Western University	Western science bootcamp	2014

Contributions to collaborative lesson development indexed on zenodo.org.

Student advisory & assessment duties

Faculty advisor	Western University Summer Academic Orientation	2012–2015
Member	Western Physics & Astronomy advisory committees (10 MSc, 9 PhD)	2007–present
Reader	Western Astronomy PhD comprehensive exam reports, MSc project reports, Physics & Astronomy undergraduate theses (1/yr)	2008–present
Chair	Western University PhD examination committees (1–2/yr)	2008–present
Member	McMaster University PhD student committee (1)	2009–2012
Member	Harvard University student thesis committees (2)	2005–2008
Supervisor	Smithsonian Research Experiences for Undergraduates student	2004

Thesis Examination

1. Abedin, A.	PhD, Astronomy: “Formation and past evolution of the meteoroid complex of Comet 96P/Machholz”	Sept 2016
2. Madaan, D.	MSc, Applied Mathematics: “Modeling the Mass Function of Stellar Clusters Using the Modified Lognormal Power-Law Probability Distribution Function”	Aug 2016
3. Tammour, A.	PhD, Astronomy: “Insights from Unsupervised Clustering and Composite Spectral Analysis Into the Physical Properties Driving Emission and Absorption in Quasar UV/Optical Spectra”	Apr 2016
4. Silaj, J.	PhD, Astronomy: “The H α Spectroscopy of Classical B-emission Stars”	Dec 2014
5. Desjardins, T.	PhD, Astronomy: “The X-ray View of Galaxies in Compact Groups and the Coma Cluster Infall Region”	Jul 2014
6. Chauke, P.	MSc, Astronomy (U. Cape Town): “A WISE View of the Andromeda Galaxy”	Apr 2014
7. Halonen, R.	PhD, Astronomy: “The Continuum Linear Polarization Signature of Classical Be Stars”	Aug 2013
8. Bailey, N.	PhD, Astronomy: “Core Formation in Partially Ionized Molecular Clouds”	Apr 2013
9. Wing, R.	MSc, Physics: “Multi-sensor Calibration and Validation of the UWO-PCL NDACC Water Vapour Raman Lidar”	Dec 2012
10. Kikwaya, J.-B.	PhD, Astronomy: “Bulk density of small meteoroids”	Mar 2011

Student and postdoctoral supervision at Western University**Postdoctoral fellows & research assistants**

1. M. Gorski, PDF	Molecular gas in nearby galaxies	2017–present
2. S. Lianou, PDF	Resolved star formation in nearby galaxies	2012–2015
3. J. Taylor, RA	Development of Imagecube	2013
4. M. Azimlu, PDF	HII regions in M31	2009–2011

PhD students

1. H. Papei	“Star formation histories of nearby galaxies”	2018–present
2. A. Desouza	“Gas in compact groups of galaxies” (with S. Gallagher; withdrew)	2017–2018
3. R. Arnason	“X–ray sources and machine learning in nearby galaxies”	2014–present
4. S. Rahmani	“What governs star formation in galaxies? A modern statistical approach”	2012–2016
5. N. Vulic	“X–ray populations in the Local Group: insights with <i>Hubble</i> & <i>Chandra</i> ” (with S. Gallagher)	2012–2016
6. R. Marciniak	(withdrew)	2009

MSc students

1. D. Li	(Statistics, with I. McLeod)	2018–present
2. J. Xu	(with S. Gallagher)	2018–present
3. M. Rafiei Ravandi	“Extending the surface brightness profile of the Andromeda galaxy using <i>Spitzer</i> -IRAC”	2013–2015
4. D. Hemachandra	“Characteristics of polycyclic aromatic hydrocarbons in M31” (with E. Peeters)	2012–2014
5. M. Croley	“The M31 abundance gradient”	2011–2013
6. G. Farhani	“HII regions and the star formation rate in NGC 5128 (Cen A)”	2011–2012
7. J. Agar	“Comparisons of M31 globular clusters with and without X–ray sources”	2010–2012
8. N. Vulic	“A stacking analysis of star clusters in M51: the search for X–Ray binaries” (with S. Gallagher)	2010–2012
9. H. Shiu	“Mass-loss rates of AGB stars in metal-poor Local Group dwarf spheroidal galaxies”	2009–2011
10. R. Marciniak	“HII regions in M31”	2008–2009
11. D. Valenzo	(withdrew)	2007

BSc students

1. M. Shubat	BSc thesis (Computer Science)	2018–19
2. J. Xie	Mitacs Globalink	2018
3. S. Elkerton	BSc thesis	2016–2017
4. W. Ahmed	work-study	2015–2016
5. A. Kiar	Volunteer, USRA	2014–2016
6. A. Hidalgo Valadez	Mitacs Globalink	2014
7. G. Keenleyside	BSc thesis	2013–2014
8. E. Matlovich	work-study	2013
9. R. Odell	USRA	2012
10. F. Jalilian	USRA	2010
11. M. Gracie	USRA	2010
12. H. Shiu	USRA	2009
13. V. Lyttle	summer student	2008
14. N. Hasan	work-study	2008

Professional Activities

University service as Science acting dean, 2017–18

Faculty leadership	initiated science policy training for faculty increased Science involvement in Western's Indigenous Strategic Plan led collaborative construction, increased dissemination of Faculty budget plan developed structure and mandate for new Science Technology Services unit initiated renewal: Centre for Environment & Sustainability, Africa Institute oversaw faculty & staff hiring, including 5 leadership appointments
personnel management	leadership & performance evaluation of associate deans, directors, dept. chairs mentorship & performance evaluation of new faculty members
program oversight	participated in research centre and graduate program reviews oversaw launch of data science and data analytics programs
external advocacy	represented Science in ceremonies, government & donor visits; public events
University leadership	participated in Faculty reviews, decanal & provost selection, University Senate served on research institute boards, coordinated inter-Faculty programs

University service as Science associate dean for graduate and postdoctoral studies, 2015–17

Faculty leadership	contributor to Faculty budget planning, including new research chair proposals led successful hire of graduate recruitment officer adjudicated faculty and staff award nominations, internal research proposals served as Dean's designate on 5 faculty search committees
personnel management	completed performance reviews for probationary faculty and professional staff
program management	oversaw development of 5 new graduate programs supported 6 Science program reviews, reviewed 1 external program
program coordination	facilitated communications between & among Science programs, School of Graduate & Postdoctoral Studies, other Faculties
postdoc coordination	mentored individual postdocs, organized networking events
financial management	provided academic oversight of Faculty of Science graduate funding
University leadership	served on Senate Subcommittee for University Program Review-Graduate, Graduate Education Council Policy, Postdoc Mentoring committees

Departmental/University service as faculty member

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

Professional service & memberships

Member	CASCA Computation & Data Committee	2018–21
Member	International Astronomical Union, Division H (Interstellar Matter and Local Universe) steering committee	2018–21
Member	[US] National Center for Optical-Infrared Astronomy Management Oversight Council	2018–19
Member	Program committee, SciPy conference	2018
Member	Association of Universities for Research in Astronomy (AURA) Oversight Council for Gemini Observatory	2017–18
Member	York Region Astronomy Association advisory board	2017
Co-chair	Astronomy mini-symposium, SciPy conference	2017
Member	CANFAR Science Management Committee	2016–present
Member	Dunlap Institute advisory board	2016–present
Chair	Software/Data Carpentry policy committee	2016–2018
Member	Membership committee, International Astrostatistics Association	2016–present
Member	ACURA-CASCA TMT Alternative Site Committee	2016
Director-at-large	Canadian Astronomical Society (CASCA)	2013–15
Member	CASCA Equity and Inclusivity Committee	2015–17
Member	CASCA Long Range Plan Implementation Committee	2014–15
Member	scientific organizing committee (SOC), “Python in Astronomy”	2014–15
Member	Canada-France-Hawaii Telescope Science Advisory Council	2014–15
Member	Users’ Committee, Gemini Observatory	2013–15
Chair	CASCA Ground-based Astronomy Committee	2013–15
Member	CASCA Ground-based Astronomy Committee	2012–13
Chair	SOC, Gemini Science Conference	2012
Member	Canadian Gemini Science Committee	2011–13
Member	local organizing committee, CASCA 2011 general meeting	2010–11
Chair	SOC, CASCA 2011 general meeting	2010–11
Member	SOC, “The Evolving ISM in the Milky Way and Nearby Galaxies”	2007
Member	<i>Spitzer Space Telescope</i> Users’ Panel	2004–07
Member	Canadian Association of Physicists	2018–present
Member	American Association of Physics Teachers	2011–2015
Member	International Astronomical Union	2009–present
Associate	COSPAR	2008–present
Member	Canadian Astronomical Society	2001–present
Member	American Astronomical Society	1997–present

Consulting

Science consultant	Ubisoft Toronto	2015
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

Reviewer & panel chair	NASA Astrophysics Data Analysis Program	2018
Reviewer	<i>Spitzer Space Telescope</i> director's discretionary time proposals	2017
Reviewer	National Research Council Grants to International Affiliations Program Annual Performance Review	2016, 2017
Member	<i>Spitzer Space Telescope</i> observing proposal review	2016
Reviewer	Society for Teaching and Learning in Higher Education (STLHE) conference	2016
Reviewer	NASA Astrophysics Data Analysis Program	2015
Panel member	Ontario Early Researcher Awards	2014
Reviewer	CEA Eurotalents Program	2014
Reviewer	Research Foundation – Flanders	2013
Reviewer	NASA Postdoctoral Program	2013
Referee	Gemini and Canada-France-Hawaii Telescope proposals (1–2/yr)	2012–present
Referee	NSERC Discovery Grants	2011, 2013, 2015
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, *The Astrophysical Journal*, *The Astronomical Journal*, *Astronomy & Astrophysics*, *Publications of the Astronomical Society of the Pacific*, *Monthly Notices of the Royal Astronomical Society*, 2001–present (1–2 papers per year)

Public education & outreach

Speaker	Starfest, North York Astronomical Association	2018
Speaker	STEMposium, Western University	2018
Speaker	Humanist Association of London & Area	2017
Host	Western Science total solar eclipse event	2017
Speaker	Hamilton Amateur Astronomers	2017
Speaker	Royal Astronomical Society of Canada London Centre	2016
Speaker	YMCA YMAP program, careers month	2016
Speaker	Western Retired Academics Group	2016
Speaker	Inspiring Young Women in STEM, Western University	2016
Speaker	Sunday Assembly, London	2015
Presenter	Thames Valley Science & Engineering Fair	2014, 2015
Speaker	David Dunlap Observatory, Toronto	2015
Blogger	<i>Science Borealis</i> group http://scienceborealis.ca/blog/author/pbarmby/	2015–2017
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" (1/yr)	2008–present
Speaker	"Virtual Researcher on Call" (1–2 classroom visits/yr)	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

Media interviews

Gizmodo, WIRED UK	2018
<i>Astronomy</i> magazine, Western Gazette, CBC News Network, CJBK radio	2017
AM980 radio, Western Gazette	2015
<i>Star Spot</i> podcast, Western News	2014
Rogers <i>Western Revealed</i> , York <i>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

Departmental colloquia & seminars

Slides for recent talks online at <https://figshare.com/search?q=Barmby&quick=1>

1. Canada-France-Hawaii Telescope	July 2018
2. Gemini Observatory	May 2018
3. Western University (Planetary Science)	March 2018
4. Western University (Applied Mathematics)	January 2018
5. Western University (Science of Information)	March 2016
6. University of Victoria	July 2015
7. NRC-Herzberg Astrophysics	July 2015
8. St. Mary's University	March 2013
9. Western University (Planetary Science)	March 2013
10. Western University	September 2012
11. Swinburne University of Technology	May 2012
12. University of Toledo	March 2012
13. Western Washington University	April 2011
14. University of Rochester	March 2011
15. McMaster University	February 2010
16. Royal Military College of Canada	January 2010
17. University of Alberta	January 2010
18. University of Toronto	October 2009
19. Michigan State University	September 2009
20. Queen's University	March 2009
21. Harvard-Smithsonian Center for Astrophysics	February 2009
22. Trent University	January 2009
23. University of Minnesota	April 2008
24. Herzberg Institute of Astrophysics	February 2008
25. University of Waterloo	January 2008
26. Harvard-Smithsonian Center for Astrophysics	November 2006
27. Wesleyan University	December 2004
28. University of Rochester	December 2004
29. Harvard-Smithsonian Center for Astrophysics	March 2003
30. Harvard-Smithsonian Center for Astrophysics	September 2001
31. McMaster University	March 2001
32. European Southern Observatory	December 2000
33. Carnegie Observatories	November 2000
34. University of California at Berkeley	November 2000
35. American Museum of Natural History	October 2000
36. Dominion Astrophysical Observatory	August 2000
37. SAO Summer Intern Program	July 1999

Bibliometrics

	NASA ADS (all)	Google Scholar (all)	Google Scholar (since 2013)
Citations	11595	11904	4916
h-index	46	52	30
i10-index	96	102	69

Publications

Author names in bold are Western University trainees. DOIs are linked to papers.

Key to PB roles in publications:

- (1) performed majority of data analysis and manuscript writing
- (2) supervised trainee research
- (3) substantial contributions to manuscript writing
- (4) substantial contributions to data analysis
- (5) recommendations for analysis and/or editorial contributions to manuscript writing
- (6) contributed data and/or participated in observing proposal preparation
- (7) contributed software

Submitted refereed publications

1. **Arnason, R. M.**, Barmby, P., Bahramian, A., Maccarone, T. J., Zepf, S. E. “Multiwavelength survey of X-ray sources in Sculptor Dwarf Spheroidal Galaxy” 2018, MNRAS, submitted. *Role: (2, 3, 6)*
2. McConnachie, A. et al. “The large-scale structure of the halo of the Andromeda galaxy II. Hierarchical structure in the Pan-Andromeda Archaeological Survey” 2018, ApJ, submitted. *Role: (6)*

Refereed publications

3. Astropy Collaboration et al. “The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package” 2018, AJ, 156, 123, DOI: 10.3847/1538-3881/aabc4f. *Role: (5, 7)*
4. Boselli, A. et al. “A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). I. Introduction to the survey” 2018, A&A, 614, A56, DOI: 10.1051/0004-6361/201732407. *Role: (6)*
5. Mahajan, S., Ashby, M., Willner, S., Barmby, P., Fazio, G., Maragkoudakis, A., Raychaudhury, S., Zezas, A. “The Star Formation Reference Survey III. A multi-wavelength view of dust and star formation in nearby galaxies” 2018, MNRAS, in press. *Role: (3, 4, 6)*
6. **Rahmani, S.**, Teimoorinia, H., Barmby, P. “Classifying galaxy spectra at $0.5 < z < 1$ with self-organizing maps” 2018, MNRAS, 478, 4416–4432, DOI: 10.1093/mnras/sty1291. *Role: (2, 3, 4)*
7. Saintonge, A. et al. “JINGLE, a JCMT legacy survey of dust and gas for galaxy evolution studies: I. Survey overview and first results” 2018, MNRAS, 2390, DOI: 10.1093/mnras/sty2499. *Role: (5, 6)*
8. **Vulic, N.**, Barmby, P., Gallagher, S. C. “Milky Way globular cluster metallicity and low-mass X-ray binaries: the red giant influence” 2018, MNRAS, 473, 4900–4925, DOI: 10.1093/mnras/stx2626. *Role: (2, 5)*
9. **Kiar, A. K.**, Barmby, P., **Hidalgo, A.** “Deconstructing a galaxy: colour distributions of point sources in Messier 83” 2017, MNRAS, 472, 1074–1087, DOI: 10.1093/mnras/stx2037. *Role: (2, 3, 4)*
10. Hart, E. M., Barmby, P., LeBauer, D., Michonneau, F., Mount, S., Mulrooney, P., Poisot, T., Woo, K. H., Zimmerman, N. B., Hollister, J. W. “Ten Simple Rules for Digital Data Storage” 2016, PLoS Comput. Biol. 12, e1005097, DOI: 10.1371/journal.pcbi.1005097. *Role: (3)*
11. **Lianou, S.**, Xilouris, E., Madden, S. C., Barmby, P. “The dustier early-type galaxies deviate from late-type galaxies’ scaling relations” 2016, MNRAS, 461, 2856–2866, DOI: 10.1093/mnras/stw1467. *Role: (2, 3)*

12. Mok, A., Wilson, C. D., Golding, J., Warren, B. E., Israel, F. P., Serjeant, S., Knapen, J. H., Sánchez-Gallego, J. R., Barmby, P., Bendo, G. J., Rosolowsky, E., van der Werf, P. “The JCMT nearby galaxies legacy survey - X. Environmental effects on the molecular gas and star formation properties of spiral galaxies” 2016, MNRAS, 456, 4384–4406, DOI: 10.1093/mnras/stv2958. *Role: (5, 6)*
13. **Rafiei Ravandi, M.**, Barmby, P., Ashby, M. L., Laine, S., Davidge, T. J., Zhang, J., Bianchi, L., Babul, A., Chapman, S. C. “The extended disc and halo of the Andromeda galaxy observed with Spitzer-IRAC” 2016, MNRAS, 459, 1403–1414, DOI: 10.1093/mnras/stw652. *Role: (2, 3, 4)*
14. **Rahmani, S., Lianou, S.**, Barmby, P. “Star formation laws in the Andromeda galaxy: gas, stars, metals and the surface density of star formation” 2016, MNRAS, 456, 4128–4144, DOI: 10.1093/mnras/stv2951. *Role: (2, 3, 4)*
15. **Vulic, N.**, Gallagher, S. C., Barmby, P. “X-rays beware: the deepest Chandra catalogue of point sources in M31” 2016, MNRAS, 461, 3443–3456, DOI: 10.1093/mnras/stw1523. *Role: (2, 3)*
16. 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., Zijlstra, A. “An Infrared Census of Dust in Nearby Galaxies with Spitzer (DUSTiNGS). II. Discovery of Metal-poor Dusty AGB Stars” 2015, ApJ, 800, 51, DOI: 10.1088/0004-637X/800/1/51. *Role: (5, 6)*
17. 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., Zijlstra, A. “An Infrared Census of Dust in nearby Galaxies with Spitzer (DUSTiNGS). I. Overview” 2015, ApJS, 216, 10, DOI: 10.1088/0067-0049/216/1/10. *Role: (5, 6)*
18. **Hemachandra, D.**, Barmby, P., Peeters, E., Willner, S. P., Ashby, M. L., Smith, H. A., Gordon, K. D., Smith, D. A., Fazio, G. G. “Mid-infrared spectroscopy of the Andromeda galaxy” 2015, MNRAS, 454, 818–830, DOI: 10.1093/mnras/stv2001. *Role: (2, 3, 4)*
19. Nandra, K. et al. “AEGIS-X: Deep Chandra Imaging of the Central Groth Strip” 2015, ApJS, 220, 10, DOI: 10.1088/0067-0049/220/1/10. *Role: (5, 6)*
20. **Lianou, S.**, Barmby, P., Rémy-Ruyer, A., Madden, S., Galliano, F., Lebouteiller, V. “Probing the interstellar medium of NGC1569 with *Herschel*” 2014, MNRAS, 445, 1003, DOI: 10.1093/mnras/stu1770. *Role: (2, 3)*
21. **Vulic, N.**, Gallagher, S. C., Barmby, P. “Faint X-Ray Binaries and Their Optical Counterparts in M31” 2014, ApJ, 790, 136, DOI: 10.1088/0004-637X/790/2/136. *Role: (2, 3)*
22. **Agar, J.R.R.**, Barmby, P. “M31 Globular Cluster Structures and the Presence of X-Ray Binaries” 2013, AJ, 146, 135, DOI: 10.1088/0004-6256/146/5/135. *Role: (2, 3, 4)*
23. Ashby, M. L. et al. “SEDS: The Spitzer Extended Deep Survey. Survey Design, Photometry, and Deep IRAC Source Counts” 2013, ApJ, 769, 80, DOI: 10.1088/0004-637X/769/1/80. *Role: (4, 5, 6)*
24. 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., Fazio, G. G. “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” 2013, ApJ, 766, 21, DOI: 10.1088/0004-637X/766/1/21. *Role: (6)*
25. **Vulic, N.**, Barmby, P., Gallagher, S. C. “Stacking Star Clusters in M51: Searching for Faint X-Ray Binaries” 2013, ApJ, 763, 96, DOI: 10.1088/0004-637X/763/2/96. *Role: (2, 3)*
26. Barmby, P., **Jalilian, F. F.** “Comparing Mid-infrared Globular Cluster Colors with Population Synthesis Models” 2012, AJ, 143, 87, DOI: 10.1088/0004-6256/143/4/87. *Role: (1,2)*
27. Sánchez-Gallego, J. R., Knapen, J. H., Wilson, C. D., Barmby, P., **Azimlu, M.**, Courteau, S. “The JCMT Nearby Galaxies Legacy Survey - VII. H α imaging and massive star formation properties” 2012, MNRAS, 422, 3208–3248, DOI: 10.1111/j.1365-2966.2012.20845.x. *Role: (2, 5)*

28. Willner, S. P., Ashby, M. L., Barmby, P., Chapman, S. C., Coil, A. L., Cooper, M. C., Huang, J.-S., Ivison, R., Koo, D. C. “A Fully Identified Sample of AEGIS20 Microjansky Radio Sources” 2012, *ApJ*, 756, 72, DOI: 10.1088/0004-637X/756/1/72. *Role: (4, 5, 6)*
29. Wilson, C. D. et al. “The JCMT Nearby Galaxies Legacy Survey - VIII. CO data and the $L_{CO(3-2)}-L_{FIR}$ correlation in the SINGS sample” 2012, *MNRAS*, 424, 3050–3080, DOI: 10.1111/j.1365-2966.2012.21453.x. *Role: (2, 5, 6)*
30. 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., Zhu, Y.-N. “The Star Formation Reference Survey. I. Survey Description and Basic Data” 2011, *PASP*, 123, 1011–1029, DOI: 10.1086/661920. *Role: (5, 6)*
31. **Azimlu, M., Marciniak, R.**, Barmby, P. “A New Catalog of H II Regions in M31” 2011, *AJ*, 142, 139, DOI: 10.1088/0004-6256/142/4/139. *Role: (2, 3, 4)*
32. Barmby, P., Marengo, M., Evans, N. R., Bono, G., Huelsman, D., Su, K. Y., Welch, D. L., Fazio, G. G. “Galactic Cepheids with Spitzer. II. Search for Extended Infrared Emission” 2011, *AJ*, 141, 42, DOI: 10.1088/0004-6256/141/2/42. *Role: (1,6)*
33. 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., Cooper, M. C. “Extragalactic background light inferred from AEGIS galaxy-SED-type fractions” 2011, *MNRAS*, 410, 2556–2578, DOI: 10.1111/j.1365-2966.2010.17631.x. *Role: (6)*
34. 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., van der Werf, P. “The JCMT Nearby Galaxies Legacy Survey. VI. The distribution of gas and star formation in M 81” 2011, *A&A*, 527, A16, DOI: 10.1051/0004-6361/201014930. *Role: (5, 6)*
35. Yan, R. et al. “AEGIS: Demographics of X-ray and Optically Selected Active Galactic Nuclei” 2011, *ApJ*, 728, 38, DOI: 10.1088/0004-637X/728/1/38. *Role: (5, 6)*
36. 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., Willmer, C. N. “The evolution of the hard X-ray luminosity function of AGN” 2010, *MNRAS*, 401, 2531–2551, DOI: 10.1111/j.1365-2966.2009.15829.x. *Role: (5, 6)*
37. Kong, A. K., Heinke, C. O., di Stefano, R., Cohn, H. N., Lugger, P. M., Barmby, P., Lewin, W. H., Primini, F. A. “Localization of the X-ray source in the globular cluster G1 with Chandra” 2010, *MNRAS*, 407, L84–L88, DOI: 10.1111/j.1745-3933.2010.00910.x. *Role: (3, 4)*
38. Landt, H., Buchanan, C. L., Barmby, P. “On the dust geometry in radio-loud active galactic nuclei” 2010, *MNRAS*, 408, 1982–1997, DOI: 10.1111/j.1365-2966.2010.17264.x. *Role: (3, 4)*
39. Marengo, M., Evans, N. R., Barmby, P., Bono, G., Welch, D. L., Romaniello, M. “Galactic Cepheids with Spitzer. I. Leavitt Law and Colors” 2010, *ApJ*, 709, 120–134, DOI: 10.1088/0004-637X/709/1/120. *Role: (3, 5, 6)*
40. Marengo, M., Evans, N. R., Barmby, P., Matthews, L. D., Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y., Fazio, G. G. “An Infrared Nebula Associated with δ Cephei: Evidence of Mass Loss?” 2010, *ApJ*, 725, 2392–2400, DOI: 10.1088/0004-637X/725/2/2392. *Role: (3, 5, 6)*
41. Nantais, J. B., Huchra, J. P., Barmby, P., Olsen, K. A. “Nearby Spiral Galaxy Globular Cluster Systems. II. Globular Cluster Metallicities in NGC 300” 2010, *AJ*, 139, 1178–1189, DOI: 10.1088/0004-6256/139/3/1178. *Role: (3, 4)*
42. 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., Rosario, D. J. “AEGIS: A Multiwavelength Study of Spitzer Power-law Galaxies” 2010, *ApJ*, 717, 1181–1201, DOI: 10.1088/0004-637X/717/2/1181. *Role: (3, 4,6)*
43. 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., Strader, J. “An HST/WFPC2

- survey of bright young clusters in M 31. IV. Age and mass estimates” 2010, A&A, 511, A23, DOI: 10 . 1051/0004-6361/200913459. *Role: (3, 5, 6)*
44. Barmby, P., Boyer, M. L., Woodward, C. E., Gehrz, R. D., van Loon, J. T., Fazio, G. G., Marengo, M., Polomski, E. “A Spitzer Search for Cold Dust Within Globular Clusters” 2009, AJ, 137, 207–217, DOI: 10.1088/0004-6256/137/1/207. *Role: (1,6)*
 45. Barmby, P., Perina, S., Bellazzini, M., Cohen, J. G., Hodge, P. W., Huchra, J. P., Kissler-Patig, M., Puzia, T. H., Strader, J. “A Hubble Space Telescope/WFPC2 Survey of Bright Young Clusters in M31. III. Structural Parameters” 2009, AJ, 138, 1667–1680, DOI: 10.1088/0004-6256/138/6/1667. *Role: (3, 5, 6)*
 46. Hicken, M. et al. “CfA3: 185 Type Ia Supernova Light Curves from the CfA” 2009, ApJ, 700, 331–357, DOI: 10.1088/0004-637X/700/1/331. *Role: (6)*
 47. Hodge, P. W., Krienke, O. K., Bellazzini, M., Perina, S., Barmby, P., Cohen, J. G., Puzia, T. H., Strader, J. “An HST/WFPC Survey of Bright Young Clusters in M31. II. Photometry of Less Luminous Clusters in the Fields” 2009, AJ, 138, 770–779, DOI: 10.1088/0004-6256/138/3/770. *Role: (3, 5, 6)*
 48. 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., Willmer, C. N. “AEGIS-X: the Chandra Deep Survey of the Extended Groth Strip” 2009, ApJS, 180, 102–116, DOI: 10 . 1088 / 0067 - 0049/180/1/102. *Role: (3, 5, 6)*
 49. McConnachie, A. W. et al. “The remnants of galaxy formation from a panoramic survey of the region around M31” 2009, Nature, 461, 66–69, DOI: 10.1038/nature08327. *Role: (5, 6)*
 50. 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., Strader, J. “An HST/WFPC2 survey of bright young clusters in M31. I. VdB0, a massive star cluster seen at $t \sim 25$ Myr” 2009, A&A, 494, 933–948, DOI: 10.1051/0004-6361:200810725.
 51. Barmby, P., Huang, J.-S., Ashby, M. L., Eisenhardt, P. R., Fazio, G. G., Willner, S. P., Wright, E. L. “A Catalog of Mid-Infrared Sources in the Extended Groth Strip” 2008, ApJS, 177, 431–445, DOI: 10.1086/588583. *Role: (1)*
 52. 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., Moustakas, L. A. “Clusters of Galaxies in the First Half of the Universe from the IRAC Shallow Survey” 2008, ApJ, 684, 905–932, DOI: 10.1086/590105. *Role: (5, 6)*
 53. 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., Coil, A. L. “The role of AGN in the colour transformation of galaxies at redshifts $z \sim 1$ ” 2008, MNRAS, 385, 2049–2060, DOI: 10 . 1111 / j . 1365 - 2966 . 2008 . 12962 . x. *Role: (5, 6)*
 54. 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., Willner, S. P. “The Mid-Infrared Properties of X-Ray Sources” 2008, ApJ, 679, 1040–1046, DOI: 10.1086/587431. *Role: (5, 6)*
 55. 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., Quijada, M. “Photometry using the Infrared Array Camera on the Spitzer Space Telescope” 2008, PASP, 120, 1233–1243, DOI: 10.1086/593217. *Role: (4, 5)*
 56. McLaughlin, D. E., Barmby, P., Harris, W. E., Forbes, D. A., Harris, G. L. “Structural parameters for globular clusters in NGC 5128 - III. ACS surface brightness profiles and model fits” 2008, MNRAS, 384, 563–590, DOI: 10.1111/j.1365-2966.2007.12566.x. *Role: (5, 6)*
 57. Mould, J., Barmby, P., Gordon, K., Willner, S. P., Ashby, M. L., Gehrz, R. D., Humphreys, R., Woodward, C. E. “A Point-Source Survey of M31 with the Spitzer Space Telescope” 2008, ApJ, 687, 230–241, DOI: 10.1086/591844. *Role: (4, 5, 6)*

58. 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., Miyazaki, S. “AEGIS: Radio and Mid-Infrared Selection of Obscured AGN Candidates” 2008, *ApJ*, 678, 744–750, DOI: 10.1086/587136. *Role: (3, 4)*
59. Barmby, P., McLaughlin, D. E., Harris, W. E., Harris, G. L., Forbes, D. A. “Structural Parameters for Globular Clusters in M31 and Generalizations for the Fundamental Plane” 2007, *AJ*, 133, 2764–2786, DOI: 10.1086/516777. *Role: (1)*
60. Davis, M. et al. “The All-Wavelength Extended Groth Strip International Survey (AEGIS) Data Sets” 2007, *ApJL*, 660, L1–L6, DOI: 10.1086/517931. *Role: (5, 6)*
61. 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., Guhathakurta, P. “The DEEP2 Galaxy Redshift Survey: AEGIS Observations of a Dual AGN at $z = 0.7$ ” 2007, *ApJL*, 660, L23–L26, DOI: 10.1086/517968. *Role: (5, 6)*
62. 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., Fazio, G. G. “AEGIS: Infrared Spectroscopy of an Infrared-luminous Lyman Break Galaxy at $z=3.01$ ” 2007, *ApJL*, 660, L69–L72, DOI: 10.1086/508567. *Role: (5, 6)*
63. Huang, J.-S. et al. “The Local Galaxy 8 μm Luminosity Function” 2007, *ApJ*, 664, 840–849, DOI: 10.1086/519241. *Role: (5, 6)*
64. Le Floc’h, E. et al. “Far-Infrared Characterization of an Ultraluminous Starburst Associated with a Massively Accreting Black Hole at $z=1.15$ ” 2007, *ApJL*, 660, L65–L68, DOI: 10.1086/517916. *Role: (5, 6)*
65. Noeske, K. G. et al. “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” 2007, *ApJL*, 660, L43–L46, DOI: 10.1086/517926. *Role: (5, 6)*
66. 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., Willmer, C. N. “AEGIS: Host Galaxy Morphologies of X-Ray-selected and Infrared-selected Active Galactic Nuclei at $0.2 < z < 1.2$ ” 2007, *ApJL*, 660, L19–L22, DOI: 10.1086/517922. *Role: (3, 5, 6)*
67. Symeonidis, M., Rigopoulou, D., Huang, J.-S., Davis, M., Ashby, M. L., Barmby, P., Egami, E., Fazio, G. G., Le Floc’h, E., Rieke, G., Willner, S. P., Wilson, G. “AEGIS: Infrared Spectral Energy Distributions of MIPS 70 μm -selected Sources” 2007, *ApJL*, 660, L73–L76, DOI: 10.1086/517928. *Role: (5, 6)*
68. 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., Rigopoulou, D. “AEGIS: A Panchromatic Study of IRAC-selected Extremely Red Objects with Confirmed Spectroscopic Redshifts” 2007, *ApJL*, 660, L59–L63, DOI: 10.1086/517923. *Role: (5, 6)*
69. Alonso-Herrero, A., Pérez-González, P. G., Alexander, D. M., Rieke, G. H., Rigopoulou, D., Le Floc’h, E., Barmby, P., Papovich, C., Rigby, J. R., Bauer, F. E., Brandt, W. N., Egami, E., Willner, S. P., Dole, H., Huang, J.-S. “Infrared Power-Law Galaxies in the Chandra Deep Field-South: Active Galactic Nuclei and Ultraluminous Infrared Galaxies” 2006, *ApJ*, 640, 167–184, DOI: 10.1086/499800. *Role: (5, 6)*
70. 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., Fazio, G. G. “Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the Spitzer Space Telescope” 2006, *ApJ*, 644, 778–791, DOI: 10.1086/503861. *Role: (5, 6)*
71. 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., Willner, S. P. “Mid-Infrared Properties of X-Ray Sources in the Extended Groth Strip” 2006, *ApJ*, 642, 126–139, DOI: 10.1086/500823. *Role: (1,6)*

72. 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., Woodward, C. E. “Dusty Waves on a Starry Sea: The Mid-Infrared View of M31” 2006, ApJL, 650, L45–L49, DOI: 10.1086/508626. *Role: (1,6)*
73. Barmby, P., Kuntz, K. D., Huchra, J. P., Brodie, J. P. “Hubble Space Telescope Observations of Star Clusters in M101” 2006, AJ, 132, 883–890, DOI: 10.1086/505689. *Role: (1,6)*
74. Block, D. L., Bournaud, F., Combes, F., Groess, R., Barmby, P., Ashby, M. L., Fazio, G. G., Pahre, M. A., Willner, S. P. “An almost head-on collision as the origin of two off-centre rings in the Andromeda galaxy” 2006, Nature, 443, 832–834, DOI: 10.1038/nature05184. *Role: (3, 5, 6)*
75. Buckalew, B. A. et al. “Understanding Radio-selected Thermal Sources in M33: Ultraviolet, Optical, Near-Infrared, Spitzer Mid-Infrared, and Radio Observations” 2006, ApJS, 162, 329–345, DOI: 10.1086/498572. *Role: (5, 6)*
76. Dye, S., Eales, S. A., Ashby, M. L., Huang, J.-S., Webb, T. M., Barmby, P., Lilly, S., Brodwin, M., McCracken, H., Egami, E., Fazio, G. G. “An Investigation of the Submillimeter Background Radiation Using SCUBA and Spitzer” 2006, ApJ, 644, 769–777, DOI: 10.1086/503863. *Role: (5, 6)*
77. 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., Newman, J. A. “A deep Chandra survey of the Groth Strip - II. Optical identification of the X-ray sources” 2006, MNRAS, 371, 221–234, DOI: 10.1111/j.1365-2966.2006.10634.x. *Role: (5, 6)*
78. 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., Werner, M. W. “Spitzer MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure” 2006, ApJL, 638, L87–L92, DOI: 10.1086/501046. *Role: (5)*
79. Harris, W. E., Harris, G. L., Barmby, P., McLaughlin, D. E., Forbes, D. A. “Structural Parameters for Globular Clusters in NGC 5128. II. Hubble Space Telescope ACS Imaging and New Clusters” 2006, AJ, 132, 2187–2197, DOI: 10.1086/507579. *Role: (4, 5, 6)*
80. Jha, S. et al. “UBVRI Light Curves of 44 Type Ia Supernovae” 2006, AJ, 131, 527–554, DOI: 10.1086/497989. *Role: (6)*
81. 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., Woodward, C. E. “Mapping and Mass Measurement of the Cold Dust in NGC 205 with Spitzer” 2006, ApJ, 646, 929–938, DOI: 10.1086/504975. *Role: (3, 5, 6)*
82. Nantais, J. B., Huchra, J. P., Barmby, P., Olsen, K. A., Jarrett, T. H. “Nearby Spiral Globular Cluster Systems. I. Luminosity Functions” 2006, AJ, 131, 1416–1425, DOI: 10.1086/500011. *Role: (3, 4, 6)*
83. 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., Fazio, G. G. “Spitzer Observations of $z \sim 3$ Lyman Break Galaxies: Stellar Masses and Mid-Infrared Properties” 2006, ApJ, 648, 81–94, DOI: 10.1086/505784. *Role: (5, 6)*
84. Willner, S. P., Coil, A. L., Goss, W. M., Ashby, M. L., Barmby, P., Huang, J.-S., Ivison, R., Koo, D. C., Egami, E., Miyazaki, S. “Mid-Infrared Identification of 6 cm Radio-Source Counterparts in the Extended Groth Strip” 2006, AJ, 132, 2159–2170, DOI: 10.1086/508202. *Role: (4, 5, 6)*
85. Beasley, M. A., Brodie, J. P., Strader, J., Forbes, D. A., Proctor, R. N., Barmby, P., Huchra, J. P. “The Chemical Properties of Milky Way and M31 Globular Clusters. II. Stellar Population Model Predictions” 2005, AJ, 129, 1412–1427, DOI: 10.1086/427715.
86. Garcia, M. R., Williams, B. F., Yuan, F., Kong, A. K., Primini, F. A., Barmby, P., Kaaret, P., Murray, S. S. “A Possible Detection of M31* with Chandra” 2005, ApJ, 632, 1042–1047, DOI: 10.1086/432967. *Role: (4, 5)*

87. 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., Fazio, G. G. “Infrared Luminous Lyman Break Galaxies: A Population that Bridges LBGs and SCUBA Galaxies” 2005, *ApJ*, 634, 137–141, DOI: 10.1086/491697. *Role: (5, 6)*
88. 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., van der Werf, P. “IRAC Mid-Infrared Imaging of the Hubble Deep Field-South: Star Formation Histories and Stellar Masses of Red Galaxies at $z > 2$ ” 2005, *ApJL*, 624, L81–L84, DOI: 10.1086/430700. *Role: (5, 6)*
89. 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., Martin, C. “Spitzer View on the Evolution of Star-forming Galaxies from $z = 0$ to $z \sim 3$ ” 2005, *ApJ*, 630, 82–107, DOI: 10.1086/431894.
90. 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., Fazio, G. G. “Absolute Calibration of the Infrared Array Camera on the Spitzer Space Telescope” 2005, *PASP*, 117, 978–990, DOI: 10.1086/432670. *Role: (4, 5)*
91. Rigby, J. R., Rieke, G. H., Pérez-González, P. G., Donley, J. L., Alonso-Herrero, A., Huang, J.-S., Barmby, P., Fazio, G. G. “Why Optically Faint AGNs Are Optically Faint: The Spitzer Perspective” 2005, *ApJ*, 627, 134–139, DOI: 10.1086/430398. *Role: (5, 6)*
92. Shapley, A. E., Steidel, C. C., Erb, D. K., Reddy, N. A., Adelberger, K. L., Pettini, M., Barmby, P., Huang, J. “Ultraviolet to Mid-Infrared Observations of Star-forming Galaxies at $z \sim 2$: Stellar Masses and Stellar Populations” 2005, *ApJ*, 626, 698–722, DOI: 10.1086/429990. *Role: (5, 6)*
93. Alonso-Herrero, A. et al. “The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts” 2004, *ApJS*, 154, 155–159, DOI: 10.1086/422976. *Role: (4, 5, 6)*
94. 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., Willner, S. P. “Deep Mid-Infrared Observations of Lyman Break Galaxies” 2004, *ApJS*, 154, 97–102, DOI: 10.1086/422712. *Role: (1, 6)*
95. Beasley, M. A., Brodie, J. P., Strader, J., Forbes, D. A., Proctor, R. N., Barmby, P., Huchra, J. P. “The Chemical Properties of Milky Way and M31 Globular Clusters. I. A Comparative Study” 2004, *AJ*, 128, 1623–1645, DOI: 10.1086/424000. *Role: (5, 6)*
96. 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., Russo, T. A. “Supersoft X-Ray Sources in M31. I. A Chandra Survey and an Extension to Quasi-soft Sources” 2004, *ApJ*, 610, 247–260, DOI: 10.1086/421696. *Role: (4, 5)*
97. Egami, E. et al. “Spitzer Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-Luminous Galaxies” 2004, *ApJS*, 154, 130–136, DOI: 10.1086/423322. *Role: (5, 6)*
98. Eisenhardt, P. R. et al. “The Infrared Array Camera (IRAC) Shallow Survey” 2004, *ApJS*, 154, 48–53, DOI: 10.1086/423180. *Role: (5, 6)*
99. 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., Wright, E. L. “Number Counts at $3\mu\text{m} < \lambda < 10\mu\text{m}$ from the Spitzer Space Telescope” 2004, *ApJS*, 154, 39–43, DOI: 10.1086/422585. *Role: (3, 4, 6)*
100. Fazio, G. G. et al. “The Infrared Array Camera (IRAC) for the Spitzer Space Telescope” 2004, *ApJS*, 154, 10–17, DOI: 10.1086/422843. *Role: (4, 5)*
101. 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., Miyazaki, S. “Infrared Array Camera (IRAC) Imaging of the Lockman Hole” 2004, *ApJS*, 154, 44–47, DOI: 10.1086/422882. *Role: (3, 4, 6)*

102. Ivison, R. J. et al. “Spitzer Observations of MAMBO Galaxies: Weeding Out Active Nuclei in Starbursting Protoellipticals” 2004, ApJS, 154, 124–129, DOI: 10.1086/423249. *Role: (5, 6)*
103. Le Floc’h, E. et al. “Identification of Luminous Infrared Galaxies at $1 < z < 1.2, 3, 4$ ” 2004, ApJS, 154, 170–173, DOI: 10.1086/422424. *Role: (4, 5, 6)*
104. Serjeant, S. et al. “Submillimeter Detections of Spitzer Space Telescope Galaxy Populations” 2004, ApJS, 154, 118–123, DOI: 10.1086/422821. *Role: (5, 6)*
105. 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., Storrie-Lombardi, L. “Infrared Array Camera (IRAC) Observations of M81” 2004, ApJS, 154, 222–228, DOI: 10.1086/422913. *Role: (4, 5, 6)*
106. Wilson, G. et al. “Extremely Red Objects in the Lockman Hole” 2004, ApJS, 154, 107–111, DOI: 10.1086/422716. *Role: (5, 6)*
107. Moy, E., Barmby, P., Rigopoulou, D., Huang, J.-S., Willner, S. P., Fazio, G. G. “H-band observations of the Chandra Deep Field South” 2003, A&A, 403, 493–499, DOI: 10.1051/0004-6361:20030245. *Role: (3, 4, 6)*
108. Barmby, P., Holland, S., Huchra, J. P. “M31 Globular Clusters in the Hubble Space Telescope Archive. II. Structural Parameters” 2002, AJ, 123, 1937–1952, DOI: 10.1086/339667. *Role: (1)*
109. Barmby, P., Perrett, K. M., Bridges, T. J. “The ‘remarkable’ M31 globular cluster 037-B327 revisited” 2002, MNRAS, 329, 461–464, DOI: 10.1046/j.1365-8711.2002.04993.x. *Role: (1)*
110. Di Stefano, R., Kong, A. K., Garcia, M. R., Barmby, P., Greiner, J., Murray, S. S., Primini, F. A. “Bright X-Ray Sources in M31 Globular Clusters” 2002, ApJ, 570, 618–636, DOI: 10.1086/339283. *Role: (4, 5)*
111. Maraston, C., Kissler-Patig, M., Brodie, J., Barmby, P., Huchra, J. “AGB Phase Transition in Globular Clusters: A Tool for Dating Starbursts” 2002, ApSS, 281, 137–138, DOI: 10.1023/A:1019512014958. *Role: (5, 6)*
112. Barmby, P., Huchra, J. P. “M31 Globular Clusters in the Hubble Space Telescope Archive. I. Cluster Detection and Completeness” 2001, AJ, 122, 2458–2468, DOI: 10.1086/323457. *Role: (1)*
113. Barmby, P., Huchra, J. P., Brodie, J. P. “The M31 Globular Cluster Luminosity Function” 2001, AJ, 121, 1482–1496, DOI: 10.1086/319389. *Role: (1, 6)*
114. Maraston, C., Kissler-Patig, M., Brodie, J. P., Barmby, P., Huchra, J. P. “The AGB phase-transition outside the local group: K-band observations of young star clusters in NGC 7252” 2001, A&A, 370, 176–193, DOI: 10.1051/0004-6361:20010189. *Role: (5, 6)*
115. Barmby, P., Huchra, J. P. “Testing Population Synthesis Models with Globular Cluster Colors” 2000, ApJL, 531, L29–L32, DOI: 10.1086/312511. *Role: (1, 6)*
116. Barmby, P., Huchra, J. P., Brodie, J. P., Forbes, D. A., Schroder, L. L., Grillmair, C. J. “M31 Globular Clusters: Colors and Metallicities” 2000, AJ, 119, 727–747, DOI: 10.1086/301213. *Role: (1, 6)*
117. Forbes, D. A., Masters, K. L., Minniti, D., Barmby, P. “The elliptical galaxy formerly known as the Local Group: merging the globular cluster systems” 2000, A&A, 358, 471–480. *Role: (4, 5, 6)*
118. Jha, S. et al. “The Type IA Supernova 1998BU in M96 and the Hubble Constant” 1999, ApJS, 125, 73–97, DOI: 10.1086/313275. *Role: (5, 6)*
119. Barmby, P., Huchra, J. P. “Kinematics of the Hercules supercluster” 1998, AJ, 115, 6, DOI: 10.1086/300179. *Role: (1, 6)*

Conference presentations

1. Barmby, P. “Big data in (little) galaxies: what can astrophysics do for you?” In: Canadian Astronomical Society meeting, Victoria, 2018. [invited talk]
2. Barmby, P. “The physics of nearby galaxies” in: CAM Graduate Student Physics Conference, Washington, 2017. [invited talk]

3. Barmby, P., **Arnason, R., Rafiei Ravandi, M., Rahmani, S., Vulic, N.** “Andromeda IR-X” in: Large Surveys of the Andromeda Galaxy, Leiden, 2017. [contributed talk]
4. Barmby, P., **Kiar, A.** “Deconstructing M83” in: Canadian Astronomical Society meeting, Edmonton, 2017. [poster]
5. **Kiar, A.,** Barmby, P. “Deconstructing a galaxy: colour distributions of point sources in Messier 83 ” in: 68th International Astronautical Congress, Adelaide, 2017. [poster]
6. **Arnason, R.,** Barmby, P., Maccarone, T., Zepf, S. “Identifying X-ray Binaries in the Sculptor Dwarf Spheroidal Galaxy” in: Canadian Astronomical Society meeting, Winnipeg, 2016. [poster]
7. Barmby, P., **Rafiei Ravandi, M.** “Stellar populations in the outskirts of M31: the mid-infrared view” in: IAU Symposium 321: Formation and Evolution of Galaxy Outskirts, Toledo, 2016. [contributed talk]
8. Barmby, P., **Rahmani, S., Rafiei Ravandi, M.,** Nandez, J., **Vulic, N., Arnason, R.** “Pieces of Andromeda: machine-learning and big data techniques applied to M31” in: Canadian Astronomical Society meeting, Winnipeg, 2016. [contributed talk]
9. **Kiar, A.,** Barmby, P. “Clustering a Nearby Galaxy” in: ASTRO 2016: 17th Canadian Astronautics & Space Institute conference, Ottawa, 2016. [poster]
10. **Rahmani, S.,** Teimoorinia, H., Barmby, P. “Mining in nearby galaxies” in: Canadian Astronomical Society meeting, Winnipeg, 2016. [contributed talk]
11. **Rahmani, S.,** Teimoorinia, H., Peeters, E., Barmby, P. “Data mining in nearby galaxies” in: Statistical Challenges in Modern Astronomy VI, Pittsburgh, 2016. [poster]
12. Barmby, P., **Hemachandra, D.,** Peeters, E., Willner, S. P., Ashby, M., Smith, H. A., Gordon, K. D., Smith, D. A., Fazio, G. G. “The M31 nucleus in the mid-infrared” in: American Astronomical Society Meeting Abstracts, 2015; Vol. 225, 429.05. [contributed talk]
13. 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., Zijlstra, A. “DUSTiNGS Reveals Dust Production in Very Metal Poor Galaxies” in: American Astronomical Society Meeting Abstracts, 2015; Vol. 225, 342.24.
14. **Rafiei Ravandi, M.,** Barmby, P., Ashby, M., Davidge, T., Laine, S. J., Zhang, J. “Extending the Surface Brightness Profile of the Andromeda Galaxy Using Spitzer-IRAC Observations” in: American Astronomical Society Meeting Abstracts, 2015; Vol. 225, 446.03. [poster]
15. **Vulic, N.,** Barmby, P., Gallagher, S. “Over ‘1001011000’ Chandra X-ray Point Sources in M31: Into the Faint Abyss” in: Canadian Astronomical Society meeting, Hamilton, 2015. [contributed talk]
16. Barmby, P., **Lianou, S., Taylor, J.C.** “Imagecube: an astronomical Python package for organizing and processing multi-wavelength astronomical data” in: Canadian Astronomical Society meeting, Quebec, 2014. [poster]
17. 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., Zijlstra, A. “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, 2014; Vol. 223, 355.07.
18. **Lianou, S.,** Barmby, P., Remy-Ruyer, A., Madden, S., Galliano, F., Lebouteiller, V. “Star formation and interstellar medium in NGC1569” in: European Week of Astronomy and Space Science meeting, Geneva, 2014. [contributed talk]
19. **Lianou, S.,** Xilouris, E., Madden, S., Barmby, P. “Dust and gas in early-type galaxies” in: Canadian Astronomical Society meeting, Quebec, 2014. [contributed talk]
20. **Rahmani, S.,** Barmby, P. “Which Star Formation Law in M31?” In: Galactic and Extragalactic Star Formation, Marseille, 2014. [poster]

21. **Vulic, N.**, Gallagher, S., Barmby, P. “Faint X-Ray Binaries and Their Optical Counterparts in M31” in: AAS/High Energy Astrophysics Division, 2014; Vol. 14, 110.05. [contributed talk]
22. Barmby, P. “Comparing H II regions in M31 and NGC 5128” in: “Science with SITELLE” workshop, Wen-
dake, Quebec, 2013. [contributed talk]
23. **Hemachandra, S.**, Barmby, P., Peeters, E. “Mysterious PAHs in M31” in: Canadian Astronomical Soci-
ety meeting, Vancouver, 2013. [poster]
24. **Lianou, S.**, Barmby, P., Madden, S., Remy, A. “*Herschel* Observations of Super Star Clusters in
NGC 1569” in: Canadian Astronomical Society meeting, Vancouver, 2013. [poster]
25. **Lianou, S.**, Barmby, P., Madden, S., Remy, A. “*Herschel* Observations of Super Star Clusters in
NGC 1569” in: Origins Star Formation Jamboree, Hamilton, 2013. [contributed talk]
26. **Lianou, S.**, Barmby, P., Madden, S., Remy, A. “Probing the Interstellar Medium of the NGC1569 Super
Star Cluster Population with *Herschel*” in: Hellenic Astronomical Society 11th meeting, Athens, Greece,
2013. [contributed talk]
27. **Lianou, S.**, Barmby, P., **Taylor, J.C.** “Imagecube: an astropy affiliated package” in: The 11th Hellenic
Astronomical Conference, Athens, Greece, 2013, 27–27. [poster]
28. Marengo, M., Evans, N. R., Matthews, L. D., Bono, G., Barmby, P., Welch, D. L., Romaniello, M., Su,
K. Y., Fazio, G. G., Huelsman, D. “Evidence for Pulsation-Driven Mass Loss from δ Cephei” in: Stellar
Pulsations: Impact of New Instrumentation and New Insights, ed. by Suárez, J. C., Garrido, R., Balona,
L. A., Christensen-Dalsgaard, J., 2013; Vol. 31, 99, DOI: 10.1007/978-3-642-29630-7_20.
29. **Rahmani, S.**, Barmby, P. “Testing the Extended Schmidt-Kennicutt Law in M31” in: Canadian Astro-
nomical Society meeting, Vancouver, 2013. [poster]
30. **Vulic, N.**, Barmby, P., Gallagher, S. “Searching for Faint X-ray Binaries in M31” in: Canadian Astronom-
ical Society meeting, Vancouver, 2013. [contributed talk]
31. **Agar, J.**, Barmby, P. “Comparisons of M31 Globular Clusters With and Without X-ray Sources” in:
Canadian Astronomical Society meeting, Calgary, 2012. [poster]
32. **Azimlu, M., Marciniak, R.**, Barmby, P. “New Catalog of HII Regions in M31” in: “The Great An-
dromeda Galaxy” Workshop, Princeton, 2012. [poster]
33. Barmby, P. “M31 in the Mid-Infrared” in: “The Great Andromeda Galaxy” Workshop, Princeton, 2012.
[contributed talk]
34. 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.,
Zijlstra, A. A. “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, 2012; Vol. 219,
244.16. [poster]
35. **Croley, M.**, Barmby, P., **Azimlu, M.**, Rosolowsky, E. “The M31 Abundance Gradient” in: Gemini Sci-
ence and Users’ Meeting, San Francisco, 2012. [poster]
36. **Croley, M.**, Barmby, P., **Azimlu, M.**, Rosolowsky, E. “The M31 Abundance Gradient” in: Canadian As-
tronomical Society meeting, Calgary, 2012. [poster]
37. **Farhani, G.**, Barmby, P., Peng, E. “The Star Formation Rate in NGC 5128” in: Canadian Astronomical
Society meeting, Calgary, 2012. [poster]
38. **Vulic, N.**, Barmby, P., Gallagher, S. “A Stacking Analysis of Star Clusters in M51: The Search for X-ray
Binaries” in: “X-ray Binaries: 2012 Chandra Science Workshop”, Boston, 2012. [poster]
39. **Vulic, N.**, Barmby, P., Gallagher, S. “A Stacking Analysis of Star Clusters in M51: The Search for X-ray
Binaries” in: Canadian Astronomical Society meeting, Calgary, 2012. [contributed talk]
40. 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., Zhu, Y. “The Star Formation Reference Survey – Survey Design and Basic Data” in: American Astronomical Society Meeting Abstracts #218, 2011, 130.03. [contributed talk]
41. **Azimlu, M.**, Barmby, P., **Marciniak, R.** “New Catalog of H II Regions in M31” in: American Astronomical Society Meeting Abstracts #218, 2011, 106.02. [contributed talk]
 42. **Azimlu, M.**, **Marciniak, R.**, Barmby, P. “A New Catalog of HII Regions in M31” in: Canadian Astronomical Society meeting, London, 2011. [contributed talk]
 43. Barmby, P., Cami, J., Gallagher, S. “Citizen science projects for non-science astronomy students” in: The Western Conference on Science Education, London, 2011. [poster]
 44. Barmby, P., **Jalilian, F. F.** “Globular Cluster Colors Versus Population Synthesis Models” in: American Astronomical Society Meeting Abstracts #218, 2011, 133.12. [poster]
 45. Barmby, P., **Jalilian, F.F.** “Globular Cluster Colors Versus Populations Synthesis Models” in: Canadian Astronomical Society meeting, London, 2011. [poster]
 46. **Hill, A.**, Gallagher, S., Barmby, P., **Fedotov, K.**, Tzanavaris, P. “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, 2011. [poster]
 47. Marengo, M., Evans, N. R., Barmby, P., Matthews, L. D., Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y., Fazio, G. G. “The Delta Cephei Infrared Nebula” in: American Astronomical Society Meeting Abstracts #217, 2011; Vol. 43, 434.19. [poster]
 48. Marengo, M., Evans, N. R., Matthews, L. D., Bono, G., Barmby, P., Welch, D. L., Romaniello, M., Su, K. Y., Fazio, G. G., Huelsman, D. “Evidence for Pulsation-Driven Mass Loss from delta Cephei” 2011, ArXiv e-prints.
 49. **Shiu, H.**, Barmby, P. “Mass-loss rates of AGB stars in six dwarf spheroidal galaxies” in: Canadian Astronomical Society meeting, London, 2011. [poster]
 50. **Vulic, N.**, Barmby, P., Gallagher, S. “Low-Mass X-Ray Binaries in Globular Cluster systems in M51” in: Canadian Astronomical Society meeting, London, 2011. [poster]
 51. **Azimlu, M.**, Fich, M., Barmby, P. “Study of Molecular Clouds Associated with HII Regions: Initial Characteristics of Massive Star Forming Regions” in: “From Stars to Galaxies”, Gainesville, FL, 2010. [poster]
 52. Barmby, P. “Online Homework Systems for Introductory Astronomy” in: “Cosmos in the Classroom”, Boulder, CO, 2010. [poster]
 53. Barmby, P. “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, 2010. [poster]
 54. 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., Conselice, C. J., Lozano, M., Newman, J. A., Cooper, M. C. “Extragalactic Background Light Inferred from AEGIS Galaxy SED-type Fractions” in: 25th Texas Symposium on Relativistic Astrophysics, 2010. [contributed talk]
 55. Huelsman, D. M., Marengo, M., Evans, N. R., Barmby, P., Bono, G., Welch, D. L., Romaniello, M., Fazio, G. G. “Observations of Cepheids with Spitzer” in: American Astronomical Society Meeting Abstracts #215, 2010; Vol. 42, 417.06. [poster]
 56. 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., Zezas, A. “Star Formation Reference Survey” in: “Extragalactic Star Formation”, Windsor, UK, 2010. [poster]
 57. Remage Evans, N., Marengo, M., Barmby, P., Matthews, L. D., Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y., Fazio, G. “Discovery Of An Infrared Bow Shock Associated With Delta Cephei” in: American Astronomical Society Meeting Abstracts #216, 2010; Vol. 41, 426.01.

58. **Shiu, H.**, Barmby, P. “AGB Stars in the Fornax Dwarf Spheroidal Galaxy” in: Canadian Astronomical Society meeting, Halifax, 2010. [poster]
59. Smith, D. A., Gordon, K. D., Nagy, Z., Rieke, G., Misselt, K., Engelbracht, C., Barmby, P. “Mid-Infrared Features of M33 HII and Diffuse Regions: Tracing Dust Composition and Formation” in: American Astronomical Society Meeting Abstracts #215, 2010; Vol. 42, 431.22. [poster]
60. Barmby, P., Ashby, M. L., Hora, J. L., Gordon, K. D., Jarrett, T. H., **Shiu, H.** “Local Group Dwarf Spheroidal Galaxies as Seen by *Spitzer*” in: American Astronomical Society Meeting Abstracts #214, 2009; Vol. 214, 419.03. [poster]
61. Barmby, P., Bellazzini, M., Cohen, J., Hodge, P., Perina, S., Puzia, T., Strader, J. “HST Observations of Young Star Clusters in M31” in: “Unveiling the Mass: Extracting and Interpreting Galaxy Masses”, Kingston, 2009. [poster]
62. Barmby, P., Perina, S., Bellazzini, M., Cohen, J., Hodge, P., Puzia, T., Strader, J. “Structure of Young Star Clusters in M31” in: Canadian Astronomical Society meeting, Toronto, 2009. [contributed talk]
63. Marengo, M., Evans, N. R., Barmby, P., Bono, G., Welch, D. “Spitzer Detection of Cepheid Circumstellar Emission” in: The Evolving ISM in the Milky Way and Nearby Galaxies, 2009.
64. Prada Moroni, P. G., Barmby, P., Bono, G., Fazio, G., Ferraro, I., Marengo, M., Buonanno, R. “Mid-IR excess in the globular cluster 47 Tuc .” 2009, MemSAI, 80, 117.
65. Remage Evans, N., Marengo, M., Barmby, P., Bono, G., Welch, D., Romaniello, M. “Spitzer Observations of Galactic Classical Cepheids” in: American Astronomical Society Meeting Abstracts #214, 2009; Vol. 214, 430.02. [poster]
66. Barmby, P. “Nearby Galaxies: Beyond Spitzer and Herschel” in: Far-Infrared Discipline Working Group meeting, Waterloo, 2008. [contributed talk]
67. Barmby, P. “Star Formation in M31” in: Ontario Star Formation Jamboree, London, 2008. [contributed talk]
68. Barmby, P., Marengo, M., Fazio, G. G., van Loon, J. T., Polonski, E., Gehrz, R., Woodward, C. E., Boyer, M. “The elusive intracluster medium in globular clusters” in: Canadian Astronomical Society meeting, Victoria, 2008. [contributed talk]
69. Barmby, P., Marengo, M., van Loon, J. T., Polonski, E., Fazio, G. G., Gehrz, R., Woodward, C. E., Boyer, M. “The elusive intracluster medium in globular clusters” in: 37th COSPAR Scientific Assembly, 2008; Vol. 37, 191. [contributed talk]
70. Marleau, F. R., Noriega-Crespo, A., Misselt, K., Gordon, K., Rieke, G. H., Barmby, P., Willner, S., Engelbracht, C. “A Spatially Resolved Study of the Cold Dust in NGC~205” in: Infrared Diagnostics of Galaxy Evolution, ed. by Chary, R.-R., Teplitz, H. I., Sheth, K., 2008; Vol. 381, 177.
71. Patel, B., Liu, J., Di Stefano, R., Primini, F. A., Nelson, T., Orio, M., Barmby, P., Kong, A. K., Scoles, S. “Supersoft Sources and Quasisoft Sources in M31: The Stellar Populations in which they Live” in: American Astronomical Society Meeting Abstracts #211, 2008; Vol. 211, 162.28. [poster]
72. Barmby, P. “Conference Summary” in: “The Evolving ISM in the Milky Way and Nearby Galaxies”, Pasadena, 2007. [invited review]
73. Barmby, P., Ashby, M., Devereux, N., Fazio, G., Gordon, K., Peeters, E., Smith, H., Thilker, D., Willner, S. “Initial Views of M31’s Mysterious PAHs” in: “The Evolving ISM in the Milky Way and Nearby Galaxies”, Pasadena, 2007. [poster]
74. Evans, N. R., Barmby, P., Marengo, M., Bono, G., Welch, D., Romaniello, M. “Spitzer Observations of Classical Cepheids” in: American Astronomical Society Meeting Abstracts #210, 2007; Vol. 39, 112. [poster]
75. Marengo, M., Hora, J. L., Barmby, P., Willner, S. P., Allen, L. E., Schuster, M. T., Fazio, G. G. “Spitzer/IRAC Characterization of Galactic AGB Stars” in: Why Galaxies Care About AGB Stars: Their Importance as Actors and Probes, ed. by Kerschbaum, F., Charbonnel, C., Wing, R. F., 2007; Vol. 378, 80.

76. 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., Willmer, C. N. "Host Galaxy Morphologies of X-Ray and Optical Spectra-Selected Active Galactic" in: Space Telescope Science Institute Symposium: Black Holes, 2007.
77. 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., Zezas, A. "The Herschel Reference Bright Galaxy Survey" in: American Astronomical Society Meeting Abstracts, 2007; Vol. 39, 894.
78. Ashby, M., Arendt, R. G., Pipher, J. L., Forrest, W. J., Marengo, M., Barmby, P., Willner, S. P., Stauffer, J. R., Fazio, G. G. "A Search for Faint, Diffuse Halo Emission in Edge-On Galaxies with Spitzer/IRAC" in: American Astronomical Society Meeting Abstracts, 2006; Vol. 38, 923.
79. 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., Fazio, G. "Identifying SCUBA Galaxies with Spitzer Observations of the CUDSS 14 h Field" in: American Astronomical Society Meeting Abstracts #208, 2006; Vol. 38, 145.
80. Barmby, P., Ashby, M. L., Pahre, M. A., Willner, S. P., Huchra, J. P., Gehrz, R. D., Polonski, 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., Thilker, D. H. "Mid-infrared Observations Of M31" in: American Astronomical Society Meeting Abstracts #208, 2006; Vol. 38, 94.
81. Barmby, P., Boyer, M. L., Bono, G., Ferraro, I., Marengo, M. "Spitzer Observations of Galactic Globular Clusters" in: American Astronomical Society Meeting Abstracts, 2006; Vol. 38, 938.
82. Eisenhardt, P. R., Brodwin, M., Gonzalez, A., Stanford, S. A., Stern, D., Barmby, P., Dey, A., Brown, M. J., Huang, J., Jannuzi, B. T., Pahre, M. A. "Clusters of Galaxies in the First Half of the Universe from the IRAC Shallow Survey" in: American Astronomical Society Meeting Abstracts, 2006; Vol. 38, 161.05.
83. 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., Werner, M. W. "Mid-Infrared Properties of X-ray Sources" in: American Astronomical Society Meeting Abstracts, 2006; Vol. 38, 161.01.
84. 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., Roellig, T. "Multi-Epoch Imaging and Spectroscopy of M33" in: Astronomical Society of the Pacific Conference Series, ed. by Armus, L., Reach, W. T., 2006; Vol. 357, 196.
85. Rigby, J. R., Rieke, G. H., Pérez-González, P. G., Donley, J. L., Alonso-Herrero, A., Huang, J.-S., Barmby, P., Fazio, G. G. "Optically-Faint AGN with Spitzer: SEDs, Redshifts, Luminosities, and Space Densities" in: Astronomical Society of the Pacific Conference Series, ed. by Armus, L., Reach, W. T., 2006; Vol. 357, 284.
86. Scoles, S., Patel, B., Di Stefano, R., Liu, J., Barmby, P., Primi, F. "The Search for Optical Counterparts to Supersoft X-ray Sources near the Nucleus of M31" in: American Astronomical Society Meeting Abstracts, 2006; Vol. 38, 939.
87. Barmby, P. et al. "Mid-Infrared Properties of X-ray Sources in the Extended Groth Strip" in: "Infrared Diagnostics of Galaxy Formation", Pasadena, 2005.
88. Buckalew, B. et al. "Spitzer imagery of embedded ultra-young star clusters in M33" in: Starbursts: From 30 Doradus to Lyman Break Galaxies, ed. by de Grijs, R., González Delgado, R. M., 2005; Vol. 329, 8P.
89. Gehrz, R. D. et al. "Spitzer Images and Spectroscopy of M33" in: American Astronomical Society Meeting Abstracts #206, 2005; Vol. 37, 451.

90. Pérez-González, P. G. et al. “Cosmological Surveys with the Spitzer Space Telescope” in: *Revista Mexicana de Astronomía y Astrofísica Conference Series*, ed. by Hidalgo-Gómez, A. M., González, J. J., Rodríguez Espinosa, J. M., Torres-Peimbert, S., 2005; Vol. 24, 205–209.
91. 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., Muzerolle, J. “Star formation as seen by the Infrared Array Camera on Spitzer” in: *ESA Special Publication*, ed. by Wilson, A., 2005; Vol. 577, 197–200.
92. 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., Fazio, G. G. “Mid-Infrared Observations of Extended Light in the Spiral Galaxy NGC 5907” in: *American Astronomical Society Meeting Abstracts*, 2004; Vol. 36, 1444.
93. 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., Bock, J. J. “Mid-Infrared Observations of the Halo of NGC 5907” in: *American Astronomical Society Meeting Abstracts #204*, 2004; Vol. 36, 717.
94. Barmby, P., Huang J.-S., Fazio, G., Pahre, M., Willner, S. “Deep Mid-infrared Imaging with the Spitzer Space Telescope” in: *Canadian Astronomical Society meeting*, Winnipeg, 2004.
95. Barmby, P., Laine, S., Lacy, M., IRAC team “Doing Science with the Spitzer Space Telescope” in: *Canadian Astronomical Society meeting*, Winnipeg, 2004. [poster]
96. Barmby, P., Wang, Z., Marengo, M., Ashby, M. L. “SIP: a modern flexible data pipeline” in: *Optimizing Scientific Return for Astronomy through Information Technologies*, ed. by Quinn, P. J., Bridger, A., 2004; Vol. 5493, 460–466, DOI: 10.1117/12.550468.
97. Carey, S. J. et al. “Observing with the infrared array camera (IRAC) on the Spitzer Space Telescope” in: *Optical, Infrared, and Millimeter Space Telescopes*, ed. by Mather, J. C., 2004; Vol. 5487, 211–222, DOI: 10.1117/12.550968.
98. Fazio, G. G. et al. “In-Flight Performance of the Infrared Array Camera (IRAC) for the Spitzer Space Telescope” in: *American Astronomical Society Meeting Abstracts #204*, 2004; Vol. 36, 699.
99. 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., Barmby, P. “The Multiwavelength View of M31 including New Spitzer/MIPS Infrared Images” in: *American Astronomical Society Meeting Abstracts*, 2004; Vol. 36, 141.04.
100. Hora, J. L. et al. “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 Mather, J. C., 2004; Vol. 5487, 77–92, DOI: 10.1117/12.550744.
101. 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., Wright, E. L. “IRAC Extragalactic GTO Program: From Nearby Galaxies to the High Redshift Universe” in: *American Astronomical Society Meeting Abstracts #204*, 2004; Vol. 36, 700.
102. Patten, B. M., Hora, J. L., Fazio, G. G., Barmby, P., Wang, Z., Makovoz, D. “Normal and unusual transient events in IRAC images” in: *Optical, Infrared, and Millimeter Space Telescopes*, ed. by Mather, J. C., 2004; Vol. 5487, 223–233, DOI: 10.1117/12.550543.
103. Pipher, J. L. et al. “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 Mather, J. C., 2004; Vol. 5487, 234–243, DOI: 10.1117/12.551599.
104. 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., Alonso-Herrero, A. “The Spitzer Space Telescope M33 Project: First Epoch Images” in: *American Astronomical Society Meeting Abstracts #204*, 2004; Vol. 36, 811.

105. Roscioli, M., Barmby, P., Huang, J.-S., Ashby, M. L., Fazio, G. G. "Morphologies of Mid-Infrared Galaxies" in: American Astronomical Society Meeting Abstracts, 2004; Vol. 36, 1450.
106. 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., Willner, S. P. "Mid-Infrared Selection of Active Galaxies" in: American Astronomical Society Meeting Abstracts, 2004; Vol. 36, 1388.
107. Thilker, D. A. et al. "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, 2004; Vol. 36, 141.05.
108. Barmby, P. "Globular Cluster Systems of Spirals" in: Extragalactic Globular Cluster Systems, ed. by Kissler-Patig, M., 2003, 143, DOI: 10.1007/10857603_24. [invited review]
109. Fazio, G. G. et al. "In-flight Performance of the Infrared Array Camera (IRAC) for SIRTf" in: American Astronomical Society Meeting Abstracts, 2003; Vol. 35, 1242.
110. Hora, J. L. et al. "Performance of the infrared array camera (IRAC) for SIRTf during instrument integration and test" in: IR Space Telescopes and Instruments, ed. by Mather, J. C., 2003; Vol. 4850, 83–97.
111. Kong, A., di Stefano, R., Friedman, R., Barmby, P. "Luminous Extragalactic X-Ray Globular Clusters" in: IAU Joint Discussion, 2003; Vol. 6.
112. Kuntz, K. D., Barmby, P., Mukai, K., Snowden, S. L. "Optical Identification of the X-ray Point Source Population of M101" in: American Astronomical Society Meeting Abstracts, 2003; Vol. 35, 116.02.
113. Willner, S. P. et al. "Extragalactic Science Results with IRAC" in: American Astronomical Society Meeting Abstracts, 2003; Vol. 35, 1244.
114. Barmby, P. "M31 Globular Cluster Metallicities and Ages" in: Extragalactic Star Clusters, ed. by Geisler, D. P., Grebel, E. K., Minniti, D., Pucón, Chile, 2002; Vol. 207, 58.
115. Di Stefano, R., Greiner, J., Kong, A., Garcia, M. R., Primini, F. A., Barmby, P., Murray, S. S., Curry, S. "Chandra's View of Luminous Supersoft X-Ray Sources in M31" in: APS Meeting Abstracts, 2002, 17072.
116. Friedman, R. B., Di Stefano, R., Kong, A. K., Barmby, P., Kundu, A. "Globular Cluster X-Ray Sources and Supersoft Sources in NGC 4472 and M87" in: American Astronomical Society Meeting Abstracts, 2002; Vol. 34, 1200.
117. Garcia, M. R., Kong, A., Dosaj, A., McClintock, J. E., Primini, F. A., Di Stefano, R., Barmby, P., Murray, S. S. "Chandra Synoptic Observations of M31" in: APS Meeting Abstracts, 2002, 11008.
118. Barmby, P. "Up-close and Personal Views of M31 Globular Clusters" in: Canadian Astronomical Society meeting, Hamilton, 2001.
119. Barmby, P., Huang, J.-S., Willner, S. P., Eisenhardt, P. "An Optical/Near-Infrared Survey of the Lockman Hole" in: American Astronomical Society Meeting Abstracts, 2001; Vol. 33, 1315.
120. Di Stefano, R., Kong, A., Garcia, M., Barmby, P., Grenier, J., Murray, S., Primini, F. "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, 2001.
121. Di Stefano, R., Kong, A., Garcia, M., Barmby, P., Grenier, J., Murray, S., Primini, F. "Bright X-Ray Sources in M31 Globular Clusters" in: "Two Years of Science with Chandra", Washington, 2001.
122. Garcia, M. R., Kong, A., Primini, F. A., Barmby, P., Di Stefano, R., McClintock, J. E., Murray, S. S. "Chandra Observations of M31* and M31 Transients" in: Two Years of Science with Chandra, 2001.
123. Polonski, E., Gehr, R. D., Humphreys, R., Woodward, C. E., Jones, T. J., Lyke, J., Eicher, K., Willner, S., Barmby, P., Huchra, J., Strom, S. "SQUID Imaging of the M 33 Core" in: American Astronomical Society Meeting Abstracts #198, 2001; Vol. 33, 796.
124. Barmby, P. "Globular cluster ages and the formation of M31" in: American Astronomical Society Meeting Abstracts, 2000; Vol. 32, 1440.

125. Barmby, P., Huchra, J. “Testing Population Synthesis Models With Globular Cluster Colors” in: “The Evolution of Galaxies: 1. Observational Clues”, Granada, Spain, 2000.
126. Barmby, P., Huchra, J., Brodie, J. “Radial Variation in the M31 Globular Cluster Luminosity Function” in: “Victoria Conference on Computational Cosmology”, Victoria, Canada, 2000. [contributed talk]
127. Barmby, P., Huchra, J. P., Brodie, J. P., Schroder, L. L., Grillmair, C. J., Forbes, D. A. “Colors and Metallicities of M31 Globular Clusters” in: American Astronomical Society Meeting Abstracts #194, 1999; Vol. 31, 844.
128. Barmby, P., Huchra, J. “Kinematics of the Hercules Supercluster” in: “Clusters of Galaxies at Low and High Redshifts”, Ruidoso, New Mexico, 1997.