

Curriculum Vitae  
**SALLY OEY**

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Ann Arbor, MI 48109-1042  
USA

## RESEARCH INTERESTS

- Massive star populations:  
Stellar properties, clustering, field stars, initial mass function, star formation
- Massive star radiative feedback:  
H II ISM and nebulae, fate of Lyman continuum radiation, nebular emission-line diagnostics
- Massive star mechanical feedback:  
Multi-SN superbubbles and superwinds, multiphase interstellar and intergalactic medium
- Massive star chemical feedback:  
Galactic chemical evolution of the Milky Way and other galaxies, enrichment processes

## EDUCATION

*University of Arizona*, Tucson, AZ: Ph.D. 1995, Astronomy 09/88 – 12/95  
*Bryn Mawr College*, Bryn Mawr, PA: A.B. 1986, Physics and Latin 09/84 – 05/86  
*Haverford College*, Haverford, PA 09/82 – 05/84

## PRIZE FELLOWSHIPS and AWARDS

FACULTY EARLY CAREER DEVELOPMENT AWARD (CAREER),  
National Science Foundation 2003 – 2008  
*1999 Annie Jump Cannon Award*,  
American Astronomical Society and American Association of University Women 1999  
1998 STScI INSTITUTE FELLOWSHIP, Space Telescope Science Institute 1998 – 2001  
INSTITUTE POSTDOCTORAL FELLOWSHIP, Institute of Astronomy, Cambridge 1995 – 1998  
AMERICAN FELLOWSHIP, American Association of University Women 1994 – 1995  
GRADUATE MINORITY FELLOWSHIP, University of Arizona 1992 – 1994  
AMELIA EARHART FELLOWSHIP, Zonta International Foundation 1990 – 1991  
GRADUATE COLLEGE FELLOWSHIP, University of Arizona 1988 – 1989

## POSITIONS

*University of Michigan*, Ann Arbor, MI, USA  
Associate Professor of Astronomy, College of Literature, Science, and the Arts (LSA) 09/09 – present  
*University of Michigan*, Ann Arbor, MI, USA  
Assistant Professor of Astronomy. 07/04 – present

<i>Lowell Observatory</i> , Flagstaff, AZ, USA	
Assistant Astronomer.	02/01 – 02/04
Associate Astronomer.	02/04 – 06/04
<i>Space Telescope Science Institute</i> , Baltimore, MD, USA	
1998 STScI Institute Fellow.	10/98 – 01/01
<i>Institute of Astronomy, University of Cambridge</i> , Cambridge, UK	
Institute Postdoctoral Research Fellow in Observational Astronomy.	11/95 – 09/98
<i>Department of Astronomy, University of Arizona</i> Tucson, AZ, USA	
Graduate Research Fellow / Teaching Assistant.	08/88 – 10/95
Thesis advisor: R.C. Kennicutt, Jr.	
<i>Smithsonian Astrophysical Observatory</i> , Cambridge, MA, USA	
Computer Specialist.	05/86 – 06/88, 1989/summer
Research with B.J. Wilkes, M. Elvis, and H. Tananbaum.	
Archival maintenance for <i>Einstein X-ray</i> satellite.	
<i>Space Telescope Science Institute</i> , Baltimore, MD, USA	
Summer Research Assistant.	1985/summer
Research with D.R. Soderblom.	

## ADJUNCT AND VISITING POSITIONS

University of Michigan,	
Member, Michigan Center for Theoretical Physics.	09/07 – present
New Mexico State University, Las Cruces, NM, USA	
Adjunct Assistant Professor of Astronomy.	09/04 – 08/07
Australia Telescope National Facility, CSIRO, Epping, NSW, Australia	
ATNF Distinguished Visitor.	12/00
Institute of Astronomy, University of Cambridge, Cambridge, UK	
IoA Visiting Scientist.	07/00 – 08/00

## COMMUNITY SERVICE

STScI Financial Review Committee, *Hubble Space Telescope* proposals, 2008 – 2010.  
**Committee of Visitors, NSF Division of Antarctic Sciences**, external review panel, 2009.  
**AURA Search Committee for Director of NAOO, 2007.**  
**Board of Directors, International Gemini Observatory** (U.S. representative), 2006 – present.  
**Committee of Visitors, NSF Division of Astronomical Sciences**, external review panel, 2005.  
 NASA Science Archives Working Group, advisory committee, 2002 – 2004.

Scientific Review panels:

- AAS Annie Jump Cannon Award, 2009 - 2011.
- Gemini Board Representative to CONICYT Chile Gemini Fund**, Chile, 2007 – 2009.
- NASA *Chandra X-ray Observatory* proposals, **Panel Deputy Chair**, 2006.
- NASA *Hubble Space Telescope* proposals, 2005, 2001.
- NASA *Chandra* Fellowship program, 2004.

NSF AST Astronomy and Astrophysics Research Grant program, 2003.

NASA Astrophysics Theory Program, 1999, **Panel Chair, 2002.**

**Head, Scientific Organizing Committee:**

“*The Outer Edges of Dwarf Irregular Galaxies,*” 2002 Lowell Workshop, 10/2002 (Co-Organizer).

“*Shells in the Global ISM,*” Topical Session at Centennial Meeting of the AAS, Chicago, 6/1999.

Scientific Organizing Committees:

“*Extreme Star Formation in Dwarf Galaxies,*”

Michigan Center for Theoretical Physics Workshop, 7/2009

“*The Globular Clusters – Dwarf Galaxies Connection,*”

Michigan Center for Theoretical Physics Workshop, 8/2007

“*Triggered Star Formation in a Turbulent ISM,*”

IAU Symposium 237, Prague, Czech Republic, 8/2006;

“*A Massive Star Odyssey: From Main Sequence to Supernova,*”

IAU Symposium 212, Costa Teguise, Lanzarote, Spain, 6/2002;

also Special Session, “*Recent Advances in Nebular Diagnostics of Hot Star Atmospheres*”

“*Gaseous Galaxy Halos and Galaxy Edges,*” Topical Session at AAS Meeting, Albuquerque, 6/2002.

“*A Decade of HST Science,*”

STScI Symposium, Baltimore, MD, USA, 4/2000.

Referee for:

*The Astrophysical Journal* and *Astrophysical Journal Letters*

*The Astronomical Journal*

*Monthly Notices of the Royal Astronomical Society*

*Astronomy and Astrophysics*

*New Astronomy*

*Astronomische Nachrichten*

*Publications of the Astronomical Society of Australia*

*Advances in Space Research*

CONICYT STFC Gemini Studentship program (Chile, UK)

Comisión Nacional de Investigación Científica y Tecnológica (CONICYT), FONDECYT (Chile),

[Chilean Government Commission for Scientific and Technological Development,

National Fund for Scientific and Technological Development]

Agence Nationale de la Recherche (France), Programme Jeunes Chercheuses et Jeunes Chercheurs

[French National Research Agency, Young Researchers Program]

Instituto de Astrofísica de Canarias (Spain), Strategic Projects

The Research Corporation (USA)

International Gemini Observatory, Canadian Time Allocation Committee

NASA South Carolina Space Grant Consortium

Anglo-Australian Observatory (UK), Panel for Allocation of Telescope Time

Isaac Newton Group (UK), Panel for Allocation of Telescope Time

Member, International Astronomical Union

Member, American Astronomical Society

**TECHNICAL**

Collaborator, <i>THEIA</i> , NASA Astrophysics Strategic Mission Concept Study \$1B optical-UV space observatory to study extrasolar planets, star formation, and cosmic baryons.	2008 – present
Collaborator, <i>Star Formation Observatory</i> , Astrophysics Strategic Mission Concept Study NASA \$650M optical-UV space observatory to study star formation at all cosmic times.	2007 – 2008
Co-Investigator, <i>HORUS</i> Origins Science Mission NASA \$1B optical-UV space observatory concept to study star formation at all cosmic times.	2003 – 2005
Co-Investigator, <i>ORION</i> MIDEX Mission NASA \$250M optical-UV space observatory concept to study star and planet formation.	2003 – 2006
Website Committee, Lowell Observatory Redesign, implementation, and maintenance of the Lowell Observatory website.	2001 – 2003
Scientific Advisory Committee for Cambridge Infrared Survey Instrument Definition of science objectives for the CIRSI near-IR imager.	1996
Research Assistant in Instrument Support, Steward Observatory Upgraded manual for 2.3-m telescope's Boller & Chivens Spectrograph. Assisted with development of observing software and documentation. Measured filter transmission curves for Multiple-Mirror Telescope.	06/91 – 12/91
Instrumentation project with E.T. Young, U. Arizona Designed and built testing dewar for prototype 60 – 120 $\mu$ MIPS detector for <i>Spitzer Space Telescope</i> .	01/90 – 09/90

**POSTDOCS AND STUDENTS**

## Postdocs and Postbac:

Dr. Eric Pellegrini	07/09 – present
Dr. Dan Hanish	12/08 – present
Dr. Carolina Kehrig	02/08 – 06/09
Dr. Thomas Bensby	10/04 – 07/07
Greg Walth	01/04 – 06/04
Dr. Nichole King	11/02 – 05/03

## Students:

Dominique Segura-Cox (LSA undergraduate)	09/09 – present
Colin Slater (Rackham Graduate School, Astronomy)	09/09 – present
Anne Jaskot (Rackham, Astronomy)	09/09 – present
Jordan Zastrow (Rackham, Astronomy)	09/08 – present
Brian Mikolajczyk (LSA)	09/08 – present
Joel Lamb (Rackham, Astronomy)	09/06 – present
Tony Zenn (LSA)	05/06 – 07/08
Zuzana Srostlik (Rackham, Physics)	06/07 – 02/08
Mehwish Khaliq (LSA)	09/06 – 04/07
Todd Wilkinson (LSA)	10/05 – 04/07
Sylvana Yelda (LSA)	01/05 – 05/05, 09/05 – 07/06
Saida Caballero-Nieves (LSA)	05/05 – 08/05
Jeffrey Fogel (Rackham, Astronomy)	09/04 – 07/05

Member, Ph.D. Thesis Committee for:	
Stephen Crabtree (Rackham, Geological Sciences)	04/09 – present
Jiangang Hao (Rackham, Physics)	11/07 – 05/09
Jessica Werk (Rackham, Astronomy)	03/07 – present
Janet Colucci (Rackham, Astronomy)	03/07 – present
Scott Cameron (Rackham, Astronomy)	03/06 – 10/09
Erica Voges (New Mexico State U.)	09/04 – 07/06
NSF Research Experience for Undergraduates, Northern Arizona University:	
Lowell Observatory on-site contact person	2002 - 2003
Katie Kern (U. Wisconsin)	2003/summer
Eric Furst (Bucknell U.)	2002/summer
Sarah J. Stokes (U. Wyoming)	2001/summer
Summer Student Program, Space Telescope Science Institute:	
Jeffrey S. Parker (Whitman College) and Valerie J. Mikles (Johns Hopkins U.)	1999/summer
Summer Student Course, Royal Greenwich Observatory:	
Served on 1998 selection committee	
Shona A. Smedley (U. Leicester)	1997/summer
MIT Field Camp at Lowell Observatory:	
Emily Levesque	2004/January

## TEACHING

Astronomy 188, “The Cosmos Through the Constellations,” University of Michigan	2009/fall
<b>Created Astronomy 188, “The Cosmos Through the Constellations,” for Winter 2009 Theme Semester</b>	2009/winter
Astronomy 533, “Structure and Content of Galaxies,” University of Michigan	2008/fall
Astronomy 120, “Frontiers of Astronomy” First-Year Seminar, University of Michigan	2008/winter
Astronomy 102 and 112, “Stars, Galaxies, and the Universe,” University of Michigan	2007/winter
Astronomy 533, “Structure and Content of Galaxies,” University of Michigan	2006/fall
Astronomy 102 and 112, “Stars, Galaxies, and the Universe,” University of Michigan	2006/winter
Astronomy 160, “Introduction to Astrophysics,” University of Michigan	2005/fall
Astronomy 160, “Introduction to Astrophysics,” University of Michigan	2004/fall
Astronomy 110A, University of Arizona	1992/spring
Laboratory Instructor for lecture course taught by J.H. Bieging.	

## DEPARTMENT AND UNIVERSITY SERVICE

Lead for Department Long-Range Plan on Undergraduate Program; and Galactic Astronomy,	2009–10
Department Graduate Recruiting Committee,	2009–10
<b>Lead organizer, Winter 2009 Theme Semester, <i>The Universe: Yours to Discover</i>,</b> \$50k project co-sponsored with UM Exhibit Museum of Natural History, College of Literature, Science, and the Arts, <a href="http://www.lsa.umich.edu/universe">http://www.lsa.umich.edu/universe</a>	2007 – 2009

Department Curriculum Committee, 2006–07; 2007–08; **Chair**, 2009–present  
 Telescope Time Allocation Committee, 2004–05; 2005–06; 2008–09  
 Chair’s Advisory Committee, 2008–09  
 Department faculty coordinator for public outreach, 2004 – present  
 Graduate Preliminary Examinations Committee, 2004–05, 2005–06; **Chair**, 2006–07  
 Faculty Search Committees, 2004–05; 2005–06

### **Elected member, LSA Curriculum Committee, 2009–2012**

LSA Committee on the Public Face of Research, 2005–06  
 Faculty Marshal, Spring Commencement 2005; 2006; 2007; platform party 2009

Speaker, panelist, or guest for UM programs:

Houghton Scholars, Spectrum Center, Women in Science and Engineering, Undergraduate Research Opportunities Program (UROP), Campus Day recruiting panels

Colloquium director, Lowell Observatory, 2001 – 2003.

Co-Organizer, Flagstaff Astrophysics Discussion group, 2001 – 2004.

Co-Organizer, JHU/STScI Wine & Cheese discussion forum visitor program, 2000.

AAS Representative, Congressional Visits Day, 2000.

Charter member, STScI Director’s Leadership Forum, an Institute-wide advisory committee to the Director, 1999 – 2000.

## **PUBLIC OUTREACH**

**Lead organizer, Winter 2009 Theme Semester, *The Universe: Yours to Discover*,**  
 \$50k project co-sponsored with UM Exhibit Museum of Natural History,  
 College of Literature, Science, and the Arts, <http://www.lsa.umich.edu/universe> 2007 – 2009

Lecturer, *Frontiers of Astronomy* public lecture series, Cleveland Museum of Natural History 2008

**Organizer, UM Astronomy / Exhibit Museum of Natural History / Student Astronomical Society**  
 Distinguished public lecture series, *Scales of the Universe* 2007  
 Distinguished public lecture series, *The Invisible Universe: Einstein’s Legacy*, 2005

UM Astronomy Department public outreach faculty coordinator 2004 – 2009

**Navajo/Hopi Teacher Outreach Program, Lowell Observatory. Teacher partners:**  
 Adrienne Keene, Hopi Day School, Kykotsmovi AZ: grade 6 2003 – 2004  
 Aria Campbell, Crystal Boarding School, Crystal NM: grade 6 2002 – 2003  
 Cynthia Rodriguez, Hopi Jr. High School, Keams Canyon AZ: grade 8 2001 – 2002

Three-term lecturer for public course “Introduction to Astronomy,” IoA, Cambridge 1997 – 1998

**University of Arizona Astronomy Camps** 1991 – 1997  
 Counselor and Assistant Director.

Public science correspondent for Steward Observatory 1993 – 1995

Scientist Pen-Pal, Science-by-Mail Program, Boston Museum of Science 1991 – 1995

UM Student Astronomical Society public lecturer; Lowell Observatory Star Party and Elderhostel Program lecturer; STScI Open Night lecturer; IoA Open House; BBC-TV phone line for science show; Cambridge pre-school visit; Southern AZ Regional Science Fair; numerous star parties, popular talks, etc.

**INVITED COLLOQUIA**

- 10/22/09 University of Massachusetts, Amherst, MA, USA  
07/13/09 Universidad de Chile, Santiago, Chile  
05/13/09 University of California, Los Angeles, CA, USA  
03/26/09 University of Michigan, Dept of Atmospheric, Oceanic, & Space Sciences, Ann Arbor, MI, USA  
12/18/08 Case Western Reserve University, Cleveland, OH, USA  
10/09/08 Yale University, New Haven, CT, USA  
03/06/08 University of Michigan, Ann Arbor, MI, USA  
04/26/07 University of Toledo, Toledo, OH, USA  
04/03/07 Indiana University, Bloomington, IN, USA  
10/09/06 University of Delaware, Newark, DE, USA  
04/20/06 University of Arizona, Tucson, AZ, USA  
04/05/06 Michigan State University, East Lansing, MI, USA  
04/04/06 University of Notre Dame, Notre Dame, IN, USA  
11/22/05 University of Wisconsin, Madison, WI, USA  
08/24/05 Pulkovo Observatory / Russian Academy of Sciences, St. Petersburg, Russia  
02/05/04 University of Michigan, Ann Arbor, MI, USA  
12/03/03 University of California, Santa Barbara, CA, USA  
10/29/03 Space Telescope Science Institute, Baltimore, MD, USA  
10/23/03 University of California, Berkeley, CA, USA  
04/25/03 Bowdoin College, Brunswick, ME, USA  
04/16/03 Arizona State University, Tempe, AZ, USA  
03/28/03 National Radio Astronomy Observatory, Socorro, NM, USA  
02/07/02 Ohio State University, Columbus, OH, USA  
02/06/02 Ohio University, Athens, OH, USA  
01/24/02 Institute of Astronomy, Cambridge University, Cambridge, UK  
12/07/01 New Mexico State University, Las Cruces, NM, USA  
05/18/01 Institute for Astronomy / University of Hawaii, Honolulu, HI, USA  
04/18/01 California Institute of Technology, Pasadena, CA, USA  
04/04/01 Columbia University, New York, NY, USA  
04/02/01 American Museum of Natural History, New York, NY, USA  
02/07/01 Case Western Reserve University, Cleveland, OH, USA  
12/14/00 University of Melbourne, Melbourne, Australia  
11/29/00 Australia Telescope National Facility, Epping, Australia  
10/16/00 University of Rochester, Rochester, NY, USA  
10/12/00 University of Massachusetts, Amherst, MA, USA  
10/11/00 University of Maryland, College Park, MD, USA  
04/20/00 Lowell Observatory, Flagstaff, AZ, USA  
03/01/00 Space Telescope Science Institute, Baltimore, MD, USA  
12/10/99 University of Minnesota, Minneapolis, MN, USA  
10/29/99 University of Florida, Gainesville, FL, USA  
09/15/99 Pennsylvania State University, State College, PA, USA  
09/08/99 Dominion Astrophysical Observatory / Herzberg Institute of Astrophysics, Victoria, Canada

09/07/99 University of British Columbia, Vancouver, Canada  
08/30/99 University of Colorado, Boulder, CO, USA  
03/25/99 University of Wisconsin, Madison, WI, USA  
02/04/99 University of Michigan, Ann Arbor, MI, USA  
12/09/98 University of Hertfordshire, Hatfield, UK  
01/28/98 University of Birmingham, Birmingham, UK  
10/17/97 University of St. Andrews, St. Andrews, Scotland, UK  
10/16/97 Royal Observatory Edinburgh / Institute for Astronomy, Edinburgh, Scotland, UK  
06/20/97 University of Sussex, Brighton, UK  
05/30/97 Queen Mary and Westfield College, London, UK  
04/23/97 Universitäts-Sternwarte München, München, Germany  
03/05/97 Imperial College of Science, Technology, and Medicine, London, UK  
05/20/96 University College London, London, UK  
09/28/95 Lowell Observatory, Flagstaff, AZ, USA

## BIBLIOGRAPHY

## A. Invited Reviews\* and Invited Talks

27. 2008 M.S. Oey, “Early Chemical Evolution of the Galactic Thin Disk,” at *The Cosmic Odyssey of the Elements*, eds. G. Stasińska & J. Vílchez, Aegina, Greece, June 23 - 27, 2008, <http://www.luth.obspm.fr/aegina08>
26. 2008 M.S. Oey, “The Power Problem in Superbubbles,” in *The Local Bubble and Beyond II*, eds. S. Snowden, R. Smith, & K. D. Kuntz, (New York: AIP), in press
25. 2008 \*S.T. Megeath, L.K. Townsley, M.S. Oey, & A.R. Tieftrunk, “Low and High Mass Star Formation in the W3, W4, and W5 Regions,” in *Handbook of Star Forming Regions, Volume I: The Northern Sky*, ed. B. Reipurth, (San Francisco: ASP), 264
24. 2007 \*M.S. Oey, “Towards Resolving the Evolution of Multi-Supernova Superbubbles,” in *Triggered Star Formation in a Turbulent ISM*, IAU Symposium 237, eds. B. G. Elmegreen & J. Palouš, (Cambridge: Cambridge University Press), 106
23. 2007 M.S. Oey, “Empirical Evidence Suggesting a Stellar Upper-Mass Limit,” in *Calibrating the Top of the Stellar Mass-Luminosity Relation*, IAU General Assembly 2006, Joint Discussion 05, *Highlights of Astronomy*, 14, 206
22. 2006 \*M.S. Oey & C.J. Clarke, “Massive Stars: Feedback Effects in the Local Universe,” in *Massive Stars: From Pop III and GRBs to the Milky Way*, ed. M. Livio, (Cambridge: Cambridge University Press), in press; astro-ph/0703036
21. **2006 \*M.S. Oey, “Massive Stars and Feedback: An Analytic Perspective,” Plenary Lecture at 207th Meeting of the American Astronomical Society, Washington, DC, BAAS 207, #60.01**
20. 2006 \*M.S. Oey, “The Lowest Metallicities: What Do They Tell Us?” in *Stellar Evolution at Low Metallicity: Mass Loss, Explosions, Cosmology*, eds. H.J.G.L.M. Lamers, N. Langer, T. Nugis, & K. Annuk, (San Francisco: ASP), 353, 253
19. 2004 \*M.S. Oey, “Superbubble Activity in Star-Forming Galaxies,” in *From Observations to Self-Consistent Modelling of the ISM in Galaxies*, eds. M. A. de Avillez & D. Breitschwerdt, JENAM 2002, Ap&SS, 289, 269
18. 2003 P.W. Hodge, D.A. Hunter, & M.S. Oey, “The Outer Edges of Dwarf Irregular Galaxies: Stars and Gas,” Conference Summary, PASP, 115, 273
17. 2003 M.S. Oey & C. Muñoz-Tuñón, “Discussion: Star Formation Within Galaxies,” in *Star Formation Through Time*, eds. E. Pérez, R. M. González Delgado, & G. Tenorio-Tagle, (San Francisco: ASP), 61
16. 2003 \*M.S. Oey, “The Local Group as an Astrophysical Laboratory for Massive Star Feedback Processes,” in *The Local Group as an Astrophysical Laboratory*, eds. M. Livio & T. M. Brown, (Cambridge: Cambridge University Press), 72
15. 2002 \*M.S. Oey, “Dispersal of Massive Star Products and Consequences for Galactic Chemical Evolution,” in *A Massive Star Odyssey: from Main Sequence to Supernova*, IAU Symposium 212, eds. K. A. van der Hucht, A. Herrero, & C. Esteban, (San Francisco: ASP), 620

14. 2002 \*M.S. Oey, "H I as a Probe of Structure in the Interstellar Medium of External Galaxies," in *Seeing Through the Dust: The Detection of H I and the Exploration of the ISM in Galaxies*, eds. R. Taylor, T. Landecker, & A. Willis, (San Francisco: ASP), 295
13. 2002 \*M.S. Oey, J.C. Shields, M.A. Dopita, & R. C. Smith, "Calibrating Nebular Diagnostics of  $T_*$  and Abundance," in *Ionized Gaseous Nebulae*, Rev.Mex.A&A, Ser. de Conf., 12, 77
12. 2001 \*M.S. Oey, C.J. Clarke, & P. Massey, "Mechanical Feedback: From Stellar Wind Bubbles to Starbursts," in *Dwarf Galaxies and their Environment*, eds. K. S. de Boer, R.-J. Dettmar, & U. Klein, Shaker Verlag, 181
11. 2001 M.S. Oey & J.C. Shields, "Bright-line Diagnostics for Nebular Sulfur Abundance," in *Galaxy Disks and Disk Galaxies*, eds. J.G. Funes & E.M. Corsini, (San Francisco: ASP), 357
10. 2000 M.S. Oey, "Discussion Summary: Interplay of stars, interstellar medium, and chemical enrichment," in *Stars, Gas, and Dust in Galaxies: Exploring the Links*, eds. D. Alloin, K. Olsen, & G. Galaz, (San Francisco: ASP), 293
9. 2000 M.S. Oey, "A New Look at Inhomogeneous Chemical Evolution," in *Astronomy in Ukraine: 2000 and Beyond*, ed. Ya.S. Yatskiv, *Kinematics and Physics of Celestial Bodies, Supplement Series*, N3, 101
8. 1999 \*M.S. Oey, "The Influence of Massive Stars on the Interstellar Medium," in *Wolf-Rayet Phenomena in Massive Stars and Starburst Galaxies*, IAU Symp. 193, eds. K.A. van der Hucht, G. Koenigsberger, & P.R.J. Eenens, (San Francisco: ASP), 627
7. 1999 \*M.A. Dopita, S. Kim, M.S. Oey, & T.M. Lozinskaya, "Massive Stars and their Interstellar Environment in the Magellanic Clouds," in *Wolf-Rayet Phenomena in Massive Stars and Starburst Galaxies*, IAU Symp. 193, eds. K.A. van der Hucht, G. Koenigsberger, & P.R.J. Eenens, (San Francisco: ASP), 441
6. 1999 \*M.S. Oey, "Superbubbles in the Magellanic Clouds," in *New Views of the Magellanic Clouds*, IAU Symp. 190, eds. Y-H. Chu, N. Suntzeff, J. Hesser, & D. Bohlender, (San Francisco: ASP), 78
5. 1999 \*R.C. Smith, J. Bregman, Y.-H. Chu, R. Ciardullo, G.H. Jacoby, R. Kennicutt, M.S. Oey, P.F. Winkler, & D. Zaritsky, "Mapping the Ionized Gas in the Magellanic Clouds," in *New Views of the Magellanic Clouds*, IAU Symp. 190, eds. Y-H. Chu, N. Suntzeff, J. Hesser, & D. Bohlender, (San Francisco: ASP), 28
4. 1999 M.S. Oey & C.J. Clarke, "The Size Distribution of Superbubbles in the Interstellar Medium," in *Interstellar Turbulence*, eds. J. Franco & A. Carramiñana, (Cambridge: Cambridge Univ. Press), 112
3. 1997 Royal Astronomical Society Discussion Meeting, "Dynamics and Interactions of Hot Stellar Winds," London, UK
2. 1996 Les Houches Summer School, "Starbursts: Triggers, Nature, and Evolution," Les Houches, France
1. 1993 R.C. Kennicutt, Jr., M.S. Oey, D. Zaritsky, & J.P. Huchra, "Systematics of H II Region Abundances in Galaxies," *Rev.Mex.Astron.Astrof.*, 27, 21

## B. Refereed Publications

55. 2009 Werk, J. K.; Putman, M. E.; Meurer, G. R.; Ryan-Weber, E. V.; Kehrig, C.; Thilker, D. A.; Bland-Hawthorn, J.; Drinkwater, M. J.; Kennicutt, R. C.; Wong, O. I.; Freeman, K. C.; Oey, M. S.; Dopita, M. A.; Doyle, M. T.; Ferguson, H. C.; Hanish, D. J.; Heckman, T. M.; Kilborn, V. A.; Kim, J. H.; Knezek, P. M.; Koribalski, B.; Meyer, M.; Smith, R. C.; Zwaan, M. A., “Outlying H II Regions in H I-Selected Galaxies,” *AJ*, in press; astro-ph/0911.1791
54. 2008 Helmboldt, J. F., Walterbos, R. A. M., Bothun, G. D., O’Neil, K., & Oey, M. S., “The Dependence of H II Region Properties on Global and Local Surface Brightness Within Galaxy Disks,” *MNRAS*, 393, 478
53. 2008 Bernard, J.-P., Reach, W. T., Paradis, D., Meixner, M., Paladini, R., Kawamura, A., Onishi, T., Vijh, U., Gordon, K., Indebetouw, R., Hora, J. L., Whitney, B., Blum, R., Meade, M., Babler, B., Churchwell, E. B., Engelbracht, C. W., For, B.-Q., Misselt, K., Leitherer, C., Cohen, M., Boulanger, F., Frogel, J. A., Fukui, Y., Gallagher, J., Gorjian, V., Harris, J., Kelly, D., Latter, W. B., Madden, S., Markwick-Kemper, C., Mizuno, A., Mizuno, N., Mould, J., Nota, A., Oey, M. S., Olsen, K., Panagia, N., Perez-Gonzalez, P., Shibai, H., Sato, S., Smith, L., Staveley-Smith, L., Tielens, A. G. G. M., Ueta, T., Van Dyk, S., Volk, K., Werner, M., & Zartitsky, D., “*Spitzer* Survey of the Large Magellanic Cloud: Surveying the Agents of a Galaxy’s Evolution (SAGE). IV. Dust Properties in the Interstellar Medium,” *AJ* 236, 919
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#### D. Technical Publications

3. 1992 M. Lesser, C. Foltz, & M.S. Oey, *Steward Observatory CCD Manual*
2. 1992 R. Green, G. Schmidt, & M.S. Oey, *Steward Observatory 2.3-m Boller & Chivens Spectrograph Manual*
1. 1991 M.S. Oey & C. Foltz, *Multiple Mirror Telescope Observatory Memorandum*, "MMT Spectrograph Filters" (transmission curves), August 6, 1991

#### E. Popular

16. 2007 M. McKee, "Core of the Galaxy Catapults Stars Our Way," *New Scientist*, 2007 May 31, <http://space.newscientist.com/article/dn11956-core-of-the-galaxy-catapults-stars-our-way.html>
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**FUNDING HISTORY: Sally Oey** (*PI unless otherwise noted*)**CURRENT:**

Source: NSF Astronomy & Astrophysics Research Grants  
Title: Completing the population of massive stars in galaxies: The field stars  
Award amount: \$440,233  
Period of perf: 2009 – 2012

Source: NSF AST-0806476, Astronomy & Astrophysics Research Grants  
Title: Radiative feedback from starburst galaxies  
Award amount: \$512,433  
Period of perf: 2008 – 2011

Source: NASA *Spitzer Space Observatory* Cycle 5  
Title: Starbursts: Emitters or Absorbers?  
Award amount: \$59,270  
Period of perf: 2008 – 2010

Source: NASA NNX08AJ42G, Astrophysics Data Analysis Program  
Title: Starbursts: Emitters or Absorbers?  
Award amount: \$98,590  
Period of perf: 2008 – 2010

**COMPLETED:**

Source: U. Michigan, College of Literature, Science and the Arts, Theme Semester Program  
 Title: Winter 2009 Theme Semester, *The Universe: Yours to Discover*  
 Award amount: \$37,930  
 Period of perf: 2008 – 2009

Source: NASA HST-GO-10629.01, *Hubble Space Telescope* Cycle 14  
 Title: Are field OB stars alone?  
 Award amount: \$47,673  
 Period of perf: 2006 – 2009

Source: NASA HST-GO-10248.11, *Hubble Space Telescope* Cycle 13  
 Title: Current star formation in young, compact clusters in the Small Magellanic Cloud (PI: Nota)  
 Award amount: \$5,000  
 Period of perf: 2004 – 2009

Source: NSF AST-0239321/0448900, CAREER Program  
 Title: Chemical enrichment: A component of massive star feedback processes  
 Award amount: \$423,517  
 Period of perf: 2003 - 2009

Source: NSF AST-0204853/0448893, Astronomy & Astrophysics Research Grants  
 Title: Diagnostic signatures of radiative feedback from massive stars  
 Award amount: \$224,169  
 Period of perf: 2003 - 2008

Source: Southwest Research Institute subcontract 899016LU, on NASA NAG5-9248  
 Title: IMACS Analysis of Field OB Stars  
 Award amount: \$33,972  
 Period of perf: 2008

Source: NASA HST-GO-10438.04, *Hubble Space Telescope* Cycle 14  
 Title: The late formation of satellite galaxies (PI: Putman)  
 Award amount: \$7757  
 Period of perf: 2005 – 2007

Source: NASA HST-GO-09036.14-A, *Hubble Space Telescope* Cycle 10  
 Title: An ultraviolet spectroscopic survey of star-forming galaxies in the local universe (PI: Leitherer)  
 Award amount: \$29,832  
 Period of perf: 2002 – 2006

Source: NASA GO2-3193A, *Chandra X-ray Observatory* Cycle 3  
 Title: X-ray emission mechanisms and evolution of superbubbles  
 Award amount: \$41,710  
 Period of perf: 2002 – 2005

Source: NASA NAG5-10768, Astrophysics Data Program  
 Title: Global massive star feedback in the Magellanic Clouds  
 Award amount: \$65,938  
 Period of perf: 2001 – 2003