

# Elisabeth A.C. Mills | Assistant Professor

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## Education

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<b>University of California, Los Angeles</b> <i>Ph.D., Astronomy</i> Thesis: Extremes of Temperature and Density in Galactic Center Molecular Clouds Advisor: Mark R. Morris	<b>Los Angeles, CA</b> 2007–2013
<b>Indiana University</b> <i>Bachelors of Science , Physics &amp; Astronomy</i>	<b>Bloomington, IN</b> 2002–2007

## Primary Research Interests

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The Galactic Center, Nearby Galaxies, Interstellar Medium, Astrochemistry, Star Formation, Radio and Millimeter Astronomy, Infrared Astronomy

## Appointments

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<b>University of Kansas</b> <i>Assistant Professor</i>	<b>Lawrence, KS</b> 2020 - Present
<b>Brandeis University</b> <i>Research Assistant Professor</i>	<b>Waltham, MA</b> 2018–2020
<b>Boston University</b> <i>Research Assistant Professor</i>	<b>Boston, MA</b> 2017–2018
<b>San Jose State University</b> <i>Assistant Professor</i> Teaching and supervising undergraduate and masters students	<b>San Jose, CA</b> 2016–2017
<b>Steward Observatory</b> <i>Postdoctoral Researcher, Jansky Fellow</i> Leading radio and millimeter surveys of molecular gas in the Galactic center and nearby galaxies	<b>Tucson, AZ</b> 2015–2016
<b>National Radio Astronomy Observatory</b> <i>Postdoctoral Researcher, Jansky Fellow</i> Lead radio surveys of molecular gas physical conditions and chemistry in the Galactic center	<b>Socorro, NM</b> 2013–2015
<b>University of California, Los Angeles</b> <i>Graduate Researcher, NSF GK-12 Fellow</i> Conducted radio, submillimeter, and infrared surveys of the ISM. Provided new constraints on gas temperatures and densities in the Galactic Center	<b>Los Angeles, CA</b> 2007–2013
<b>National Radio Astronomy Observatory</b> <i>Undergraduate Researcher, REU Student</i> Studied the dust continuum from Galactic Center molecular clouds	<b>Socorro, NM</b> Summer 2006
<b>Indiana University</b> <i>Undergraduate Researcher, IU STARS Scholar</i> Determined HI rotation curves for a sample of nearby dwarf galaxies	<b>Bloomington, IN</b> 2006

**National Optical Astronomy Observatory**  
*Undergraduate Researcher, REU Student*  
Measured intervening extinction toward a sample of planetary nebulae

**La Serena, Chile**  
*Winter 2005*

**Indiana University**  
*Undergraduate Researcher, IU STARS Scholar*  
Performed optical photometry yielding constraints on open star cluster parameters

**Bloomington, IN**  
*2002–2005*

## Visiting Positions

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**Max Planck Institute for Astronomy**  
*Visiting Scientist, Summer Visitor Program*

**Heidelberg, Germany**  
*Summer 2016*

**European Southern Observatory**  
*Visiting Scientist, Scientific Visitor Programme*

**Garching, Germany**  
*May 2015*

**Max Planck Institute for Astronomy**  
*Visiting Researcher, Planet & Star Formation department*

**Heidelberg, Germany**  
*2012–2013*

**National Radio Astronomy Observatory**  
*Visiting Researcher, NRAO Resident Shared-Risk Observing Program*

**Socorro, NM**  
*Summer 2012*

## Grants and Awards

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**2022:** NSF AAG (\$315,732)

**2022:** NRAO Student Observing Support (\$31,354)

**2022:** SOFIA - General Observer Program (\$51,700)

**2021:** JWST - General Observer Program (\$21,183)

**2019:** NRAO Student Observing Support (\$34,410)

**2018:** NSF AAG (\$175,654)

**2017:** SJSU Research, Scholarship, and Creative Activity Award (\$5000)

**2015:** ALMA Development Grant Co-I (\$185,000)

**2013:** Jansky Postdoctoral Fellowship (\$225,000)

**2013:** NSF Astronomy and Astrophysics Postdoctoral Fellowship, declined (\$267,000)

**2013:** NRAO Student Observing Support Program (\$10,000)

**2010:** NSF GK-12 Fellowship (\$30,000 + fees)

**2010:** NRAO Student Observing Support Program (\$35,000)

**2008:** Chancellor's Prize Graduate Summer Research Mentorship Award (\$5000)

**2007:** Chancellor's Prize (\$5000)

**2005:** Sigma Xi Grant-in-Aid of Research Award (\$500)

## Space Mission and Ground-Based Facilities Development

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**2022-Present:** PRIMA mission concept to be proposed to NASA Astrophysics Probe Explorer 2023 (**Co-I**)

**2022-Present:** Science Advisory Council for the Next Generation Very Large Array (**Member**)

## Honors

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**2020:** KU Physics and Astronomy Undergraduate Teacher of the Year

**2013:** AAS Doxsey Prize

**2008:** Honorable mention, NSF Graduate Research Fellowship  
**2007:** Honorable mention, NSF Graduate Research Fellowship  
**2007:** Outstanding Undergraduate Physics Major, IU Physics Dept.  
**2007:** Honorable Mention, AAS Chambliss Award  
**2006:** Johnson Award for Excellence in Student Research, IU Astronomy Dept.  
**2006:** Alumni Award for Overall Academic Excellence, IU Astronomy Dept.  
**2005:** Elected to Phi Beta Kappa  
**2002-2007:** Indiana University Science, Technology, and Research Scholar

## Accepted Observing Proposals

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Date	Facility	Time	Status
2022	VLA	108.5 hrs	JACKS: JVLA Ammonia CMZ K-band Survey <b>(PI)</b>
2021	VLA	18.3 hrs	High-frequency radio continuum mapping of M82 <b>(PI)</b>
2021	ALMA-Large	1194.6 hrs	ACES: ALMA CMZ Exploration Survey <b>(co-PI)</b>
2021	JWST	42.8 hrs	Mid-IR observations of winds in NGC 253 and M82
2020	SOFIA	5.2 hrs	Mapping Molecular H <sub>2</sub> in the Circumnuclear disk <b>(PI)</b>
2019	VLA	38.2 hrs	Galactic Center CH absorption survey <b>(PI)</b>
2019	VLA	185.4 hrs	THOR Galactic center survey
2019	ALMA	6.1 hrs	Galactic Center CO absorption survey <b>(PI)</b>
2019	ALMA	26.6 hrs	High-resolution observations of Circinus torus <b>(PI)</b>
2019	IRTF	36 hrs	Isotope measurements in M-dwarfs
2018	SOFIA	30.3 hrs	Legacy Program for Galactic center star formation
2017	JWST	15.7 hrs	DD-ERS to measure dusty Wolf Rayet stars
2017	ALMA	30 hrs	3 mm survey of the core of NGC 253 at 2 pc resolution <b>(PI)</b>
2017	ALMA	33 hrs	Band 7 survey of gas conditions in Galactic center clouds <b>(PI)</b>
2015	VLA	2 hrs	DDT search for new Galactic center OH masers <b>(PI)</b>
2015	ALMA	4.7 hrs	Dating the accretion flow around our supermassive black hole
2015	ALMA	28.6 hrs	Surveying the core of the NGC 253 Starburst at 1 pc resolution
2015	ALMA	2.1 hrs	Proper motion of gas around our supermassive black hole
2014	ALMA	16.4 hrs	Excitation study of the Galactic center Circumnuclear Disk <b>(PI)</b>
2014	ALMA	5.9 hrs	Study of atomic gas accretion onto our supermassive black hole
2014	ALMA	7.6 hrs	Search for neutral gas within 0.1 pc of our supermassive black hole
2014	ALMA	2.9 hrs	Studying Galactic center absorption filaments
2014	ALMA	22 hrs	Probing the star formation potential in Sgr B2
2014	GBT	74.5 hrs	Survey of Highly-Excited Ammonia in Nearby Galaxies <b>(PI)</b>
2014	ATCA	3 weeks	Large molecular lines survey of the GC <b>(Co-PI)</b>
2013	VLA	9 hrs	Constraints on dense gas in Galactic center clouds <b>(PI)</b>
2012	VLA	1.5 hrs	DDT search for star formation in a GC cloud <b>(PI)</b>
2011	VLA	24 hrs	Survey of molecular lines in Galactic center clouds <b>(PI)</b>
2010	GBT	9 hrs	Survey of hot ammonia in the Galactic center <b>(PI)</b>

## Students

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### Graduate Students:

- Ashley Lieber 2022-present
- Benjamin Moreau 2021-present
- Xinyu Mai 2020-present

- Kurt Hamblin 2020-2021
- J. Andrew Casey-Clyde (MS: SJSU, Pursuing PhD at UConn) 2016-2020

**Postbac Students:**

- Claire Cook 2023-present

**Undergraduate Students:**

- Parker Wise Spring 2023 - present
- Cody Myers Fall 2022 - present
- Keaton Donaghue Summer 2022 - present
- Garrett Crossnoe Summer 2020
- Maxine Case Summer 2020
- Anna Davidson Summer 2020
- Katelin Waters Summer 2020
- Kevin Gima (Pursuing PhD at North Dakota State) Summer 2015
- Tierra Candelaria (Pursuing PhD at NMT) Summer 2015
- Jonathan Barnes (MS: CSU-LA, Pursuing PhD at Howard University) Summer 2014
- Aspen Clements (PhD: UVa) Summer 2014
- Binqing "Iris" Sun (Pursuing PhD at UMass) Summer 2014
- Alex Teachey (Phd: Columbia, Postdoc at ASIAA) Summer 2014

## Teaching Experience

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**Spring 2021,2023 (University of Kansas):** A191: Contemporary Astronomy

- Taught an undergraduate non-majors introductory astronomy course

**Fall 2020 (University of Kansas):** A792: Special Topics (Interstellar Medium)

- Taught a graduate course on the interstellar medium

**Spring 2020,2022 (University of Kansas):** A592: Galactic and Extragalactic Astronomy

- Taught a junior-level majors course on the interstellar medium and galaxies

**Spring 2019 (Boston University):** Introduction to Astronomy

- Taught a non-majors introduction to solar system astronomy through the BU Prison Education Program

**Spring 2018 (Boston University):** Journal Club

- Taught Astrophysics and Space Physics Graduate Student Professional Development Seminar

**Fall 2017 (Boston University):** Introduction to Astronomy

- Co-taught a non-majors introduction to solar system astronomy through the BU Prison Education Program

**Spring 2017 (San Jose State University):** Introduction to Astronomy, Astrophysics II

- Taught one section of Introduction to Astronomy, a non-majors introduction to astronomy course
- Taught one section of Astrophysics II, a course on the ISM and stellar interiors for Physics majors

**Fall 2016 (San Jose State University):** Introduction to Astronomy

- Taught two sections of a non-major introduction to astronomy course

**Summer 2015:** National Astronomy Consortium Cohort Leader

- o Developed curriculum and led 1 hr weekly professional development seminar

**Summer 2015:** Galactic Center Group Meeting Leader

- o Led a weekly 1 hr research seminar covering star formation, molecular gas, the Milky Way, and nearby galaxies

**2010–2011:** NSF GK-12 Fellow at Culver City Middle School, Culver City, CA

- o Taught in the classroom two days a week with a local teacher
- o Created new lesson materials to enhance the classroom science curriculum

**2008–2010:** Teaching Assistant, University of California, Los Angeles

- o Stellar Atmospheres, Interiors, and Evolution Winter 2008
- o Nature of Universe lab Spring 2009
- o Cosmology: Our Changing Concepts of the Universe Spring 2009
- o Life in Universe Summer 2009
- o Astrophysics II: Stellar Evolution, Galaxies, and Cosmology Spring 2010

**2007–2009:** Center for Adaptive Optics Professional Development Program

- o Workshops:
  - Re-Thinking Science & Engineering Learning & Teaching (Santa Cruz, CA) November 2007
  - Inquiry in Science & Engineering Learning & Teaching (Maui, HI) March 2008
  - Advancing Inquiry & the PDP Community (Santa Cruz, CA) April 2009
  - Inquiry in Science & Engineering Learning & Teaching ( Maui, HI) May 2009
- o Teaching:
  - *Po'okela program for Native Hawaiian high school students* (Maui, HI) July 2008  
Developed and taught a week-long program of inquiry-based astronomy to encourage students to pursue science & technical careers in Hawaii.
  - *Akamai Internship program for Hawaiian college students* (Big Island, HI) June 2009  
Led a team to develop & co-teach a week-long program of inquiry-based astronomy to prepare students for a 10-week internship at the Mauna Kea Observatories.

## Colloquia and Invited Talks

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**10/2022:** Keynote speaker, 50th Mid-America Regional Astronomy Conference

**12/2020:** Bard College Colloquium

**09/2020:** University of Michigan Colloquium

**06/2020:** Invited Plenary, 236th AAS Meeting

**02/2019:** Rutgers Colloquium

**02/2019:** University of Kansas Colloquium

**12/2018:** Bowdoin College Colloquium

**12/2018:** Ithaca College Colloquium

**11/2018:** University of Wisconsin-Madison Colloquium

**10/2018:** Invited Review, 8th International Fermi Symposium

**06/2018:** Invited Review, AAS SOFIA Meeting in a Meeting "Astrophysics in the SOFIA Era"

**03/2018:** University of Connecticut Physics Colloquium

**02/2018:** Boston University Astrophysics and Space Physics Colloquium

**02/2018:** UMass-Amherst Colloquium  
**02/2018:** MIT Colloquium  
**10/2017:** Far Infrared-Science Interest Group Monthly Seminar (Tele-talk)  
**08/2017:** Invited Review, "SFDE17: From Local Clouds to Distant Galaxies", Quy Nhon, Viet Nam  
**05/2017:** Santa Clara College Colloquium  
**05/2017:** California State University-Northridge Colloquium  
**04/2017:** JPL Astrophysics Luncheon Seminar  
**04/2017:** California State University-East Bay Colloquium  
**02/2017:** SOFIA Colloquium, NASA-Ames  
**10/2016:** San Francisco State Colloquium  
**07/2016:** Invited Review, "IAU 322: The Multi-Messenger Astrophysics of the Galactic Centre", Australia  
**07/2016:** Königstuhl Colloquium, Max Planck Institute for Astronomy, Heidelberg, Germany  
**04/2016:** New Mexico State Colloquium  
**03/2016:** Invited Review, "Carnegie Radio Showcase", Pasadena, CA  
**03/2016:** San Jose State Colloquium  
**03/2016:** Herzberg Institute of Astrophysics Colloquium  
**03/2016:** University of British Columbia Colloquium  
**01/2016:** Northwestern CIERA Theory Seminar  
**10/2015:** Invited Review, "Bashfest", University of Texas at Austin  
**05/2015:** Max Planck Institute for Radio Astronomy Special Colloquium  
**05/2015:** Invited ALMA Community Day Talk, Tucson, AZ  
**03/2015:** Invited Review, "The Soul of High Mass Star Formation" Puerto Varas, Chile  
**02/2015:** National Radio Astronomy Observatory-Socorro Colloquium  
**12/2014:** National Radio Astronomy Observatory-Green Bank Colloquium  
**07/2014:** Los Alamos National Laboratory Astrophysics Colloquium  
**03/2014:** Joint University of Virginia / National Radio Astronomy Observatory Colloquium  
**02/2014:** University of New Mexico Astrophysics Colloquium

## Additional Talks

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### Public Talks

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**01/2023:** Invited Speaker, 'Wonders of the Universe lecture series', Fromm Institute  
**06/2022:** KU Public Telescope Night, Lawrence, KS  
**04/2017:** Keynote Speaker, 'Women in Stem Bay Area Research Exposition', Mountainview, CA  
**04/2014:** NRAO Visitors Committee, Socorro, NM

## Conference Talks

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**09/2020:** CON-Quest

**11/2017:** "Harvard Heidelberg 2017: Star Formation Across the Universe", Boston, MA

**11/2017:** "Northeast Radio Observatory Corporation (NEROC) Radio Science Symposium", MIT Haystack

**06/2017:** "Behind the Curtain of Dust II", Sesto, Italy

**01/2017:** "Star Formation and Nearby Galaxies with JWST", Pasadena, CA

**07/2016:** "IAU 322: The Multi-Messenger Astrophysics of the Galactic Centre", Palm Cove, Australia

**02/2016:** "Dynamics and accretion at the Galactic Center", Aspen, CO

**12/2015:** "US Radio Futures Meeting", Chicago, IL

**03/2015:** "Tools for Astronomical Big Data", Tucson, AZ

**07/2014:** "Behind the Curtain of Dust: The molecular view of activity in (U)LIRGS", Sesto, Italy

**01/2014:** "Science with the Atacama Pathfinder Experiment (APEX)", Ringberg Castle, Germany

**01/2014:** 223rd Meeting of the American Astronomical Society, Washington, DC

**10/2013:** "IAU 303 The Galactic Center: Feeding and Feedback in a Normal Galactic Nucleus", Santa Fe, NM

**06/2013:** "Regulation of Star Formation in Molecular Gas", Ringberg Castle, Germany

**01/2013:** 221st Meeting of the American Astronomical Society, Long Beach, CA

**06/2012:** 220th Meeting of the American Astronomical Society, Anchorage, AK

**12/2010:** "Star Formation Under Extreme Conditions: the Galactic Center", Besançon, France

## Visitor Seminars

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**11/2018:** Brandeis University Dark Universe Seminar

**08/2018:** Lunch Seminar, Indiana University, Bloomington, IN

**05/2017:** Guest Seminar, Boston University, Boston, MA

**06/2016:** Guest Seminar, University of Manchester, England

**06/2016:** Guest Seminar, Universitat Köln, Germany

**10/2015:** NOAO FLASH seminar Tucson, AZ

**05/2015:** ESO Wine and Cheese talk, Garching, Germany

**09/2014:** Origins Seminar, Tucson, AZ

**02/2014:** Visitor Talk at Max Planck Institute for Astronomy, Heidelberg, Germany

**01/2014:** ESO Lunch Talk, Garching, Germany

**01/2014:** Lunch Talk, National Radio Astronomy Observatory, Socorro, NM

**01/2013:** Guest Seminar, Leiden, The Netherlands

**12/2012:** Guest Seminar, ETH Institute For Astronomy, Zurich, Switzerland

**11/2012:** Planet & Star Formation Seminar, MPA, Heidelberg, Germany

**07/2012:** Lunch Talk, National Radio Astronomy Observatory, Socorro, NM

**03/2011:** Lunch Talk, National Radio Astronomy Observatory, Socorro, NM

### Blackboard Talks

**04/2015:** ESO Informal Discussion, Garching, Germany

**09/2014:** NOAO Coffee discussion, Tucson, AZ

## Leadership and Service

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### Review Panelist

**2020-present:** NRAO Student Observing Support Committee member

**2019-2020:** Science Review Panel Chair and member of the TAC for NRAO proposals

**2018:** Science Review Panel member for SOFIA proposals

**2018:** Science Review Panel member for NRAO proposals

**2017-2019:** Science Review Panel member for ALMA proposals

**2017:** Grant review panelist for NASA

**2015, 2017, 2019:** Grant review panelist for NSF

### Advisory Committees

**2023-present:** Member, NRAO Users Committee

**2017-2020:** Member, Far Infrared Science Interest Group Leadership Council

**2016-2018:** Executive Committee Member of Astronomy Allies

**2016-2017:** Member, Latinx-Chicanx student success task force, San Jose State University

**2014-2016:** Advisory Board Member of the National Astronomy Consortium

### Scientific Meeting Organization

- Organizer, Far Infrared Science Interest Group Splinter Session at AAS 233 (2018, Seattle, WA)
- SOC, New Horizons in Galactic Center Astronomy and Beyond (2019, Yokohama, Japan)
- SOC, New England Regional Star Formation Meeting (2018, Boston, MA)
- Organizer, Far Infrared Science Interest Group Splinter Session at AAS 231 (2018, Washington, DC)
- SOC, Next Generation VLA Meeting at the 215th AAS (2015, Seattle, WA)
- SOC, Life-cycle of gas in galaxies: A local perspective (2015, Dwingeloo, The Netherlands)

### Miscellaneous Service

**2013-Present:** Papers Refereed (MNRAS, ApJ, ApJL, A&A, A&A Letters)

**2018:** Spring semester Astrophysics Colloquium organizer, Boston University

**2014-2015:** Technical reviewer for NRAO proposals

**2014-2015:** AAS Chambliss Poster Judge

**2014-2015:** Led a student summer program at NRAO-Socorro for the National Astronomy Consortium

**2015:** ALMA Community Day Organizer (Tucson, AZ)

- Gave invited talks on research and an overview of NRAO facilities; assisted users with proposal preparation

**2014-2015:** Lunch Talk Coordinator, NRAO-Socorro

**2014:** 14th NRAO Synthesis Imaging Workshop (Socorro, NM)

- Led observing preparation and data reduction tutorials
- Created and ran a Careers & Diversity Panel

**2012:** NRAO Resident Shared-Risk Observing Program (3 months, Socorro, NM)



- Tested and documented new tools for VLA proposal preparation
- Redesigned the user interface for the CASA software webpage

**05/2012:** 13th NRAO Synthesis Imaging Workshop(Socorro, NM)

- Led observing preparation tutorials

## Outreach

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**2017:** Instructor, BU Prison Education Program

**2017:** Panelist, 'Women in Stem Bay Area Research Exposition (WiSTEM BARE)'

**2017:** San Jose State University Latinx-Chicanx Student Success Task Force

- Organized a three part workshop on succeeding in STEM in classes, research, and graduate school

**2014-2015:** Led public VLA tours

**2013:** Writer for Astrobites

- Author of blog posts to summarize recent papers for a target audience of Undergraduate students

**2010-2011:** UCLA Astronomy Outreach Co-Coordinator

**2009-2012:** UCLA Astronomy Outreach Volunteer

- Founding volunteer of an annual UCLA Astronomy Open House for hands-on science experience
- Developed and built new outreach activities for use at open houses and schools, including an interactive star wall
- Led more than 10 volunteer events on campus and at local underserved schools
- Presented over 20 planetarium shows to diverse audiences

## Publications

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**Total number of citations: 1723; H-Index: 24**

### All Refereed Publications.....

**55.** \*Wallace, J.; Battersby, C.; **Mills, Elisabeth A. C.**; Henshaw, J.D.; Sormani, M.C.; Ginsburg, A.; Barnes, A.T.; Hatchfield, H.P.; Glover, S.C.O.; Anderson, L.C. *"ALMA Uncovers Highly Filamentary Structure toward the Sgr E Region"*. 2022 ApJ 939 58.

**54.** Levy, Rebecca C.; Bolatto, Alberto D.; Leroy, Adam K.; Sormani, Mattia C.; Emig, Kimberly L.; Gorski, Mark; Lenkić, Laura; **Mills, Elisabeth A. C.**; Tarantino, Elizabeth; Teuben, Peter; Veilleux, Sylvain; Walter, Fabian. *"The Morpho-kinematic Architecture of Super Star Clusters in the Center of NGC 253"*. 2022 ApJ 935 19.

**53.** Williams, Bethan A.; Walker, Daniel L.; Longmore, Steven N. ; Barnes, A. T.; Battersby, Cara ; Garay, Guido ; Ginsburg, Adam ; Gomez, Laura ; Henshaw, Jonathan D.; Ho, Luis C. ; Kruijssen, J. M. Diederik; Lu, Xing ; **Mills, Elisabeth A. C.** ; Petkova, Maya A.; Zhang, Qizhou. *"The initial conditions for young massive cluster formation in the Galactic Centre: convergence of large-scale gas flows"*. 2022 MNRAS 514 578.

**52.** Henshaw, Jonathan D.; Krumholz, Mark R.; Butterfield, Natalie O.; Mackey, Jonathan, Ginsburg, Adam, Haworth, Thomas J.; Nogueras-Lara, Francisco, Barnes, Ashley T.; Longmore, Steven N.; Bally, John, Kruijssen, J. M. Diederik, **Mills, Elisabeth A. C.** Beuther, Henrik, Walker, Daniel L.; Battersby, Cara; Bulatek, Alyssa, Henning, Thomas, Ott, Juergen, Soler, Juan D. *"A wind-blown bubble in the Central Molecular Zone cloud G0.253+0.016"*. 2022 MNRAS 509 4758.

**51.** Bolatto, A.D.; Leroy, A.K.; Levy, R.C.; Meier, D.S ; **Mills, E.A.C.**; Thompson, T.A.; Emig, K.L.; Veilleux, S.; Ott, J.; Gorski, M.; Walter, F.; Lopez, L.A.; Lenkic, L. *"ALMA Imaging of a Galactic Molecular Outflow in NGC 4945"*. 2021 ApJ 923 83.

**50.** **Mills, E. A. C.**, Gorski, M.; Emig, K. L. , Bolatto, A. D.; Levy, R. C.; Leroy, A. K.; Ginsburg, A.; Henshaw, J. D.; Zschaechner, L. K.; Veilleux, S.; Tanaka, K.; Meier, D. S.; Walter, F.; Krieger, N.; Ott, J. *"Clustered Star*

- Formation in the Center of NGC 253 Contributes to Driving the Ionized Nuclear Wind*". 2021 ApJ 919 105.
49. Walker, Daniel L.; Longmore, Steven N.; Bally, John, Ginsburg, Adam, Kruijssen, J. M. Diederik; Zhang, Qizhou; Henshaw, Jonathan D.; Lu, Xing, Alves, João, Barnes, Ashley T.; Battersby, Cara; Beuther, Henrik, Contreras, Yanett A.; Gómez, Laura, Ho, Luis C.; Jackson, James M.; Kauffmann, Jens; **Mills, Elisabeth A. C.**, Pillai, Thushara. "*Star formation in 'the Brick': ALMA reveals an active protocluster in the Galactic centre cloud G0.253+0.016*". 2021 MNRAS 503 77.
48. Levy, R. C.; Bolatto, A. D.; Leroy, A. K.; Emig, K. L.; Gorski, M.; Krieger, N.; Lenkic, L.; Meier, D. S.; **Mills, E. A. C.**; Ott, J.; Rosolowsky, E.; Tarantino, E.; Veilleux, S.; Walter, F.; Weiss, A.; Zwaan, M.A. "*Outflows from Super Star Clusters in the Central Starburst of NGC 253*". 2021 ApJ 912 4.
47. Lu, Xing, Li, Shanghao, Ginsburg, Adam, Longmore, Steven N.; Kruijssen, J. M. Diederik; Walker, Daniel L.; Feng, Siyi; Zhang, Qizhou; Battersby, Cara; Pillai, Thushara; **Mills, Elisabeth A. C.**; Kauffmann, Jens; Cheng, Yu; Inutsuka, Shu-ichiro. "*ALMA Observations of Massive Clouds in the Central Molecular Zone: Ubiquitous Protostellar Outflows*". 2021 ApJ 909 177.
46. Hatchfield, H.P.; Battersby, C.; Keto, E.; Walker, D.; Barnes, A.; Callanan, D.; Ginsburg, A.; Henshaw, J.D.; Kauffmann, J, Kruijssen, J.M.D.; Longmore, S.N.; Lu, X.; **Mills, E.A.C.**, Pillai, T.; Zhang, Q.; Bally, J.; Butterfield, N.; Contreras, Y.; Ho, L.C.; Ott, J.; Patel, N.; Tolls, V. "*CMZoom II: Catalog of Compact Submillimeter Dust Continuum Sources in the Milky Way's Central Molecular Zone*". 2021 ApJS 251 14.
45. Emig, K.; Bolatto, A.D.; Leroy, A.K.; **Mills, E.A.C.**, Jimenez Donaire, M.J.; Tielens, A.G.G.M.; Ginsburg, A.; Gorski, M.; Krieger, N.; Levy, R.C.; Meier, D.S.; Ott, J.; Rosolowsky, E.; Thompson, T.A.; Veilleux, S. "*Super Star Clusters in the Central Starburst of NGC 4945*". 2020 ApJ 903 50.
44. Battersby, C.; Keto, E.; Walker, D.; Barnes, A.; Callanan, D.; Ginsburg, A.; Hatchfield, H.P.; Henshaw, J.D.; Kauffmann, J, Kruijssen, J.M.D.; Longmore, S.N.; Lu, X.; **Mills, E.A.C.**, Pillai, T.; Zhang, Q.; Bally, J.; Butterfield, N.; Contreras, Y.; Ho, L.C.; Ott, J.; Patel, N.; Tolls, V. "*CMZoom: Survey Overview and First Data Release*". 2020 ApJ 249 35.
43. Krieger, N.; Bolatto, A.D.; Koch, E.W.; Leroy, A.K.; Rosolowsky, E.; Walter, F.; Weiss, A.; Eden, D.J.; Levy, R.C.; Meier, D.S.; **Mills, E.A.C.**, Moore, T.; Ott, J.; Su, Y.; Veilleux, S. "*The Turbulent Gas Structure in the Centers of NGC 253 and the Milky Way*". 2020 ApJ 899 158.
42. Krieger, N.; Bolatto, A.D.; Leroy, A.K.; Levy, R.C.; **Mills, E.A.C.**, Meier, D.S.; Ott, J.; Veilleux, S.; Walter, F.; Weiss, A. "*The Molecular Interstellar Medium in the Super Star Clusters of the Starburst NGC 253*". 2020 ApJ 897 176.
41. Hankins, M.J.; Lau, R.M.; Radomski, J.T.; Cotera, A.S.; Morris, M.R.; Mills, E.A.C.; Walker, D.L.; Barnes, A.T.; Simpson, J.P.; Herter, T.L.; Longmore, S.N.; Bally, J.; Kasliwal, M.M.; Sabha, N.B.; García-Marin, M. "*SOFIA/FORCAST Galactic Center Legacy Survey: Overview*". 2020 ApJ 894 55.
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