

Mithi Alexa C. de los Reyes

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<https://mdlreyes.github.io> | <https://bobalab.space>

Employment	<i>Assistant Professor of Physics and Astronomy</i>	Jul. 2023 - present
	Department of Physics and Astronomy, Amherst College, Amherst, MA	
	<i>Postdoctoral Researcher</i>	Aug. 2022 - Jul. 2023
	Kavli Institute of Particle Astrophysics and Cosmology, Palo Alto, CA	
Education	<i>California Institute of Technology, Pasadena, CA</i>	Sep. 2017 - Jun. 2022
	PhD in Astrophysics (Jun. 2022)	
	Advisor: Evan Kirby	
	Thesis: <i>Dwarf Galaxies in the Local Universe as Probes of Stellar and Galactic Evolution</i>	
	MS in Astrophysics (Jun. 2019)	
	<i>Institute of Astronomy, University of Cambridge, UK</i>	Oct. 2016 - Jul. 2017
	MPhil in Astronomy (August 2017)	
	Advisor: Rob Kennicutt	
	Thesis: <i>The Integrated Star Formation Law in Nearby Galaxies</i>	
	<i>North Carolina State University, Raleigh, NC</i>	Aug. 2012 - May 2016
	BS Physics (summa cum laude), BS Mathematics (summa cum laude)	
Awards and Honors	LSST Scialog Fellow	2024
	Stanford Science Fellowship	2022
	Caltech Three Minute Thesis, First Prize and People's Choice winner	2021
	Ford Foundation Dissertation Fellowship, Honorable Mention	2021
	NSF Graduate Research Fellowship	2016
	Winston Churchill Scholarship	2016
	Astronaut Scholarship	2014 & 2015
	Barry M. Goldwater Scholarship	2014
	Park Scholarship (full-tuition merit scholarship to NCSU)	2012
Teaching	Instructor of record , Amherst College	
	• Observational Techniques (ASTR 337): Fall 2023, Fall 2024, Fall 2025 • Introductory Astrophysics (ASTR 235): Fall 2024, Fall 2025 • Advanced Astrophysics (ASTR 352): Spring 2024, Spring 2025, Spring 2026 • Intro to Data Science with Astronomical Applications (ASTR 200): Spring 2024, Spring 2025 • Physics and Astronomy in Sociocultural Context (PHYS/ASTR 255): Spring 2026	
	Pedagogical Partner Program member , Amherst College	
	• Worked with student partner Ha Dong '26 to develop teaching practices for ASTR 352 (Spring 2024)	
	Teaching assistant , Caltech	

- Assisted, guest lectured for, and developed course materials for Ay123 (graduate-level Stars), Ay124 (graduate-level Galaxies), Ay126 (graduate-level Interstellar Medium), Ay101 (undergraduate-level Stars)

Mentorship

Undergraduate honors thesis students

- Meghan McBride (class of 2025): “Hunting for Milky Ways with Massive Satellite Companions”
 - Winner of the David Van Blerkom Research Scholarship in Astronomy at UMass Amherst
- Kinsey Cronin (class of 2025): “Determining the Dominant Type Ia Supernovae Progenitor in Dwarf Spheroidal Galaxies”
 - Winner of the Mary Dailey Irvine Award for a distinguished thesis in the Five College Astronomy Department
- Elizabeth Hillenkamp (class of 2024): “BRIDGE-ing the Intermediate-Mass Black Hole Gap: Analysis of a Candidate Wandering Black Hole in a Dwarf Galaxy”

Undergraduate advising

- Primary undergraduate research supervisor (thesis students italicized):
 - Current:

* <i>Will Grant</i> (Amherst '27)	Fall 2023 - present
* Valentina Guerrero (Amherst '27)	Summer 2024 - present
* Vanshika Gupta (Amherst '28)	Summer 2025 - present
* Bibi Hanselman (Amherst '27)	Fall 2025 - present
* <i>Sam Kleiman</i> (Amherst '27)	Fall 2023 - present
* Joe Leckie (Amherst '28)	Summer 2025 - present
* Varsha Palaniyandy (Amherst '28)	Summer 2025 - present
 - Former:

* Damien Algernon (Amherst '25E)	Fall 2024
* Sam Johar (Amherst '27)	Summer 2024
* Shea Stabila (Amherst '28)	Summer 2025
* <i>Meghan McBride</i> (UMass '26)	
* <i>Kinsey Cronin</i> (Amherst '25) → New Mexico State University	
* <i>Eliza Hillenkamp</i> (Amherst '24) → UC San Diego (NSF Graduate Research Fellow)	
* Ouyanatu Maina (Amherst '24) → Lawrence Berkeley National Laboratory	
- Undergraduate research co-advisor (thesis students italicized):
 - Current:

* <i>Josie Carrillo</i> (Amherst '26)	Fall 2024 - present
* <i>Alec Treadway</i> (Amherst '26)	Spring 2025 - present
 - Former:

* <i>Bea Cajandig</i> (University of the Philippines Diliman) → National Tsing Hua University, Taiwan
* <i>Azana Queen</i> (Stanford University) → Princeton University
* <i>Maria Lourdes Balane</i> (University of the Philippines Diliman) → University of Victoria, Canada
- Amherst Summer Undergraduate Research Fellowship (SURF): research supervisor for 7 students (2024, 2025)
- Co-organizer of Amherst STEM Incubator program, dedicated to introducing students from underrepresented backgrounds to research (2024, 2025)

Graduate advising

- Leonardo Barba (UMass PhD student)
 - Initial Research Project: “Stellar-Gas Kinematics in Void Dwarf Galaxies”
 - Thesis project (in progress): “The Dynamical Evolution of Extreme Dwarf Galaxies”

Refereed Publications

Names of trainees directly supervised by MdLR are underlined. Amherst undergraduates are indicated with a star ($\star$), non-Amherst undergraduates are indicated with a diamond ($\diamond$), graduate students are indicated with a square ($\square$), and postdocs are indicated with a circle ($\circ$).

Byler, N. and **de los Reyes, M.A.** (co-first authors), Telford, O.G., Dalcanton, J.J., Weisz, D.R., et al. “Star formation history recovery from resolved photometry vs. integrated spectroscopy.” (in prep. for submission to *The Open Journal of Astrophysics*)

Bhattacharyya, J. $\circ$, Herron, G., Asali, Y., Mintz, A., **de los Reyes, M.A.**, et al. “Morphologies of SAGAbg Low-mass Galaxies in Legacy Survey Multi-band Imaging: Dependence on Stellar Masses, Star Formation Rates and Low-redshift Evolution.” (submitted to *AAS Journals*, [arXiv:2607.16170](#))

Cronin, K.R. $\star$, **de los Reyes, M.A.**, Kirby, E.N., Henderson, L.E., Ji, A.P., et al. “Manganese Production in Supernovae in Dwarf Spheroidal Galaxies.” (submitted to *AAS Journals*)

Barba, L.A. $\square$, **de los Reyes, M.A.**, Ruan, D., Brooks, A., Westfall, K. “Dwarfs in Void Environments (DIVE) II: Stellar-Gas Kinematics.” (submitted to *AAS Journals*)

Ruan, D., Brooks, A., Barba, L.A. $\square$, **de los Reyes, M.A.**, et al. “ V/σ Trends with Mass for Dwarf Galaxies from the Marvelous Massive Dwarfs Suite.” (submitted to *AAS Journals*, [arXiv:2605.06893](#))

Heiger, M., et al. (including **de los Reyes, M.A.**) “It’s a matter of time: Empirical Constraints on Supernova Yields and Delay Times from Dwarf Spheroidal Galaxies.” *The Astrophysical Journal*, 1007.139 (2026). [doi:10.3847/1538-4357/ae88f8](#)

Asali, Y., et al. (including **de los Reyes, M.A.**) “The SAGA Survey. VI.: The Size–Mass Relation for Low-Mass Galaxies Across Environments.” *The Astrophysical Journal*, 995.79 (2025). [doi:10.3847/1538-4357/ae147d](#)

Kado-Fong, E., et al. (including **de los Reyes, M.A.**) “SAGAbg III: Environmental Stellar Mass Functions, Self-Quenching, and the Stellar-to-Halo Mass Relation in the Dwarf Galaxy Regime.” *The Astrophysical Journal*, 994.231 (2025). [doi:10.3847/1538-4357/ae102d](#)

de los Reyes, M.A., Asali, Y., Wechsler, R., Geha, M., Mao, Y.-Y., et al. (including Grant, W. $\star$) “Stellar Mass Calibrations for Local Low-Mass Galaxies.” *The Astrophysical Journal*, 989.91 (2025). [doi:10.3847/1538-4357/ade4c5](#)

Yuan, S., Wechsler, R.H., Wang, Y., **de los Reyes, M.A.**, et al. “Unraveling Emission Line Galaxy Conformity at $z \sim 1$ with DESI Early Data.” *Monthly Notices of the Royal Astronomical Society* 583.1216 (2025). [doi:10.1093/mnras/staf368](#)

- Henderson, L.E., Kirby, E.N., **de los Reyes, M.A.**, et al. “Neutron-capture Element Abundances of 491 Stars in Milky Way Dwarf Satellite Galaxies from Medium-Resolution Spectra” *The Astrophysical Journal* 983.117 (2025). doi:10.3847/1538-4357/adbe7d
- Kado-Fong, E., Geha, M., Mao, Y.-Y., **de los Reyes, M.A.**, et al. “SAGAbg II: the Low-Mass Star-Forming Sequence Evolves Significantly Between $0.05 < z < 0.21$.” *The Astrophysical Journal* 976.83 (2024). doi:10.3847/1538-4357/ad8137
- Wang, Y., et al. (including **de los Reyes, M.A.**) “The SAGA Survey. V. Modeling Satellite Systems around Milky Way-mass Galaxies with Updated UniverseMachine.” *The Astrophysical Journal* 976.119 (2024). doi:10.3847/1538-4357/ad7f4c
- Geha, M., et al. (including **de los Reyes, M.A.**) “The SAGA Survey. IV. The Star Formation Properties of 101 Satellite Systems around Milky Way-mass Galaxies.” *The Astrophysical Journal* 976.118 (2024). doi:10.3847/1538-4357/ad61e7
- Mao, Y.Y., et al. (including **de los Reyes, M.A.**) “The SAGA Survey. III. A Census of 101 Satellite Systems around Milky Way-mass Galaxies.” *The Astrophysical Journal* 976.117 (2024). doi:10.3847/1538-4357/ad64c4
- Zhuang, Z., Kirby, E.N., Steidel, C.C., **de los Reyes, M.A.**, et al. “Metals in Star-Forming Galaxies with KCWI. I. Methodology and First Results on the Abundances of Iron, Magnesium, and Oxygen.” *The Astrophysical Journal* 972.182 (2024). doi:10.3847/1538-4357/ad5ff8
- Kado-Fong, E., Geha, M., Mao, Y.-Y., **de los Reyes, M.A.**, et al. “SAGAbg I: A Near-Unity Mass Loading Factor in Low-Mass Galaxies via their Low-Redshift Evolution in Stellar Mass, Oxygen Abundance, and Star Formation Rate.” *The Astrophysical Journal* 966.129 (2024). doi:10.3847/1538-4357/ad3042
- Wang, S., et al. (including **de los Reyes, M.A.**) “High-Resolution Chemical Abundances of the Nyx Stream.” *The Astrophysical Journal* 955.129 (2023). doi:10.3847/1538-4357/acec4d
- de los Reyes, M.A.**, Kirby, E.N., Zhuang, Z., Steidel, C.C., Chen, Y., Wheeler, C. “Dwarfs in Void Environments (DIVE): The Stellar Kinematics of Void Dwarf Galaxies Using the Keck Cosmic Web Imager.” *The Astrophysical Journal* 951.52 (2023). doi:10.3847/1538-4357/acd189
- de los Reyes, M.A.**, Kirby, E.N., Ji, A.P., Nuñez, E.H. “Simultaneous Constraints on the Star Formation History and Nucleosynthesis of Sculptor dSph.” *The Astrophysical Journal* 925.66 (2022). doi:10.3847/1538-4357/ac332b
- Zhuang, Z., Kirby, E.N., Leethochawalit, N., & **de los Reyes, M.A.** “NGC 147 Corroborates the Break in the Stellar Mass-Stellar Metallicity Relation for Galaxies.” *The Astrophysical Journal* 920.63 (2021). doi:10.3847/1538-4357/ac1340
- Kennicutt, R.C. & **de los Reyes, M.A.** “Revisiting the Integrated Star Formation Law. Paper II: Starbursts and the Combined Global Schmidt Law.” *The Astrophysical Journal* 908.61 (2021). doi:10.3847/1538-4357/abd3a2
- Shin, K., et al. (including **de los Reyes, M.A.**) “Metal Abundances across Cosmic Time (MACT) Survey. III. The Relationship between Stellar Mass and Star

	Formation Rate in Extremely Low-Mass Galaxies.” <i>Monthly Notices of the Royal Astronomical Society</i> 502.2 (2021). doi:10.1093/mnras/staa3307	
	de los Reyes, M.A. , Kirby, E.N., Seitzenzahl, I.R., Shen, K.J. “Manganese Indicates a Transition from Sub- to Near-Chandrasekhar Type Ia Supernovae in Dwarf Galaxies.” <i>The Astrophysical Journal</i> 891.85 (2020). doi:10.3847/1538-4357/ab736f	
	Kirby, E.N., et al. (including de los Reyes, M.A.) “Evidence for Sub-Chandrasekhar Type Ia Supernovae from Stellar Abundances in Dwarf Galaxies.” <i>The Astrophysical Journal</i> 881.45 (2019). doi:10.3847/1538-4357/ab2c02	
	de los Reyes, M.A. & Kennicutt, R.C. “Revisiting the Integrated Star Formation Law. Paper I: Non-Starbursting Galaxies.” <i>The Astrophysical Journal</i> 872.16 (2019). doi:10.3847/1538-4357/aafa82	
	Kneller, J.P. & de los Reyes, M.A. “The Effect of Core-Collapse Supernova Accretion Phase Turbulence on Neutrino Flavor Evolution.” <i>Journal of Physics G: Nuclear and Particle Physics</i> 44.8 (2017). doi:10.1088/1361-6471/aa7bc8	
	Ly, C., et al. (including de los Reyes, M.A.) “The Metal Abundance Across Cosmic Time (MACT) Survey I: Optical Spectroscopy in the Subaru Deep Field.” <i>The Astrophysical Journal Supplement Series</i> 226.5 (2016). doi:10.3847/0067-0049/226/1/5	
	de los Reyes, M.A. , Ly, C., Lee, J.C., et al. “The Relationship Between Stellar Mass, Gas Metallicity, and Star Formation Rate for H α -selected Galaxies at $z \approx 0.8$ from the NewH α survey.” <i>The Astronomical Journal</i> 149.79 (2015). doi:10.1088/0004-6256/149/2/79	
Additional Publications	de los Reyes, M.A. “Astronomers Need to Rename the Magellanic Clouds.” <i>Physics</i> 16.152 (2023). doi:10.1103/Physics.16.152	
	Kahanamoku, S., et al. (including de los Reyes, M.A.) “A Native Hawaiian-led summary of the current impact of constructing the Thirty Meter Telescope on Maunakea.” Astro2020 white paper (2020). arXiv:2001.00970	
	Khullar, G., et al. (including de los Reyes, M.A.) “Astrobites as a Community-led Model for Education, Science Communication, and Accessibility in Astrophysics.” Astro2020 white paper (2019). arXiv:1907.09496	
Successful Observing Proposals	“Finding Nearby Reionization Fossils with LSST” de los Reyes, M.A. , <u>Bhattacharyya, J.</u> [◦] , Wu, J.C. Rubin/LSST compute resources (60 GPU hours + 10.5 TB storage)	2026B
	“HI kinematics of dwarf galaxies in cosmic voids” de los Reyes, M.A. , <u>Barba, L.</u> [◻] , Yun, M. Very Large Array (60.3 hours)	2026B
	“The Environments of Dwarf Galaxies in Cosmic Voids” de los Reyes, M.A. , <u>Barba, L.</u> [◻] , Yun, M. Very Large Array (48.55 hours)	2026A
	“Deep H α Imaging of a Morphologically Disturbed Galaxy Merger”	2026Q2

	de los Reyes, M.A. , Barba, L. [□] Perkins Telescope Observatory: PRISM (0.5 nights)	
	“Broad-line AGN Feedback in Dwarf Galaxies” Barba, L. [□] , de los Reyes, M.A. Gemini: GMOS (7.6 hours)	2025A
	“Star Formation in Massive Satellites around Milky Way Analogs” de los Reyes, M.A. , Kleiman, S.* Perkins Telescope Observatory: PRISM (4 nights)	2024Q3, 2025Q1
	“Star Formation in Dwarf Galaxies as a Function of Environment” de los Reyes, M.A. , Hillenkamp, E.*, Asali, Y. Perkins Telescope Observatory: PRISM (4 nights)	2023Q4
	“Nucleosynthesis in Degenerate Objects” Kirby, E.N., de los Reyes, M.A. , Duggan, G.E. Keck II: DEIMOS (7 nights)	2018A, 2018B, 2019A, 2020A, 2021A
	“Chemical Abundances of Nyx Stars” Necib, L., Ji, A., Strom, A.E., de los Reyes, M.A. Keck I: HIRES (4 nights)	2020A
	“Spatially Resolved Metallicities in Void Dwarf Galaxies” Kirby, E.N., de los Reyes, M.A. , Steidel, C.S. Keck II: KCWI (3 nights)	2019B
Successful Funding Proposals	Research Corporation for Science Advancement (Scialog) seed funding de los Reyes, M.A. , Palmese, A., Villar, V. A. <i>Tiny Galaxies, Big Waves: Discovering the First Dwarf Binary AGN Using Early Rubin Data</i> \$66,000	2026
	Research Corporation for Science Advancement (Scialog) seed funding de los Reyes, M.A. , Olsen, C., McQuinn, K. <i>First Light in the Void</i> \$66,000	2026
	George I. Alden Trust de los Reyes, M.A. , Hanneke, D., Follette, K. \$225,000 for an observing dome and 28-inch telescope for Amherst College	2025
	Amherst College Serving the Greater Good Initiative de los Reyes, M.A. , Follette, K. \$18,000 for course development	2024
Invited Research Presentations	<i>Physics Colloquium</i> , Elon University	Jan. 2027
	<i>Physics Colloquium</i> , NC State University	Jan. 2027
	<i>HugNayan</i> , Philippine Space Agency, Manila, Philippines	Oct. 2026
	<i>International Conference on Particles, Astronomy, and Radiation</i> , Ateneo de Davao University, Davao City, Philippines	Oct. 2026
	<i>High Energy/Astro/Particle Physics Seminar</i> , University of Utah	Oct. 2026
	<i>Astro Lunch Talk</i> , New Mexico State University	Sep. 2026

	<i>Galactic Metal Cycles Workshop</i> , Kylemore, Ireland	May 2026
	<i>Data Science Initiative</i> , Amherst College	Feb. 2026
	<i>Astronomy Colloquium</i> , Yale University	Oct. 2025
	<i>Faculty Colloquium</i> , Amherst College	Oct. 2025
	<i>Philippine Space Science and Astronomy Research Conference</i> , Adamson University, Manila, Philippines	Aug. 2025
	<i>Astronomy Colloquium</i> , CUNY City Tech	May 2025
	<i>Astronomy Colloquium</i> , University of Toronto	Apr. 2025
	<i>Astronomy Colloquium</i> , Boston University	Feb. 2025
	<i>Physics & Astronomy Colloquium</i> , Williams College	Jan. 2025
	<i>Physics & Astronomy Colloquium</i> , Bates College	Dec. 2024
	<i>Astronomy Colloquium</i> , Wesleyan College	Dec. 2024
	<i>Astronomy Colloquium</i> , Dartmouth College	Oct. 2024
	<i>Physics & Astronomy Colloquium</i> , Williams College	Apr. 2024
	<i>Astronomy Colloquium</i> , University of Michigan	Mar. 2024
	<i>Astronomy Colloquium</i> , Eastern Michigan University	Mar. 2024
	<i>FCAD Colloquium</i> , UMass Amherst	Feb. 2024
	<i>Galaxies Science Interest Group Meeting</i> , NASA (link)	Nov. 2023
	<i>Samahang Pisika ng Pilipinas 41st Meeting</i> , Siargao, Philippines	Jul. 2023
	<i>CIERA Observers Seminar</i> , Northwestern University Center for Interdisciplinary Exploration and Research in Astrophysics (CIERA)	May 2023
	<i>GANAP Seminar</i> , University of the Philippines Diliman	Mar. 2023
	<i>Cosmology & Astronomy Seminar</i> , UC Davis	Jan. 2023
	<i>Physics Colloquium</i> , Davidson College	Nov. 2022
	<i>AAS Journal Author Series</i> , American Astronomical Society (link)	Jul. 2022
	<i>Astronomy Seminar</i> , Departamento de Astronomia IAG-USP	Jun. 2022
	<i>Astro/Space Seminar</i> , University of Kansas	Nov. 2021
	<i>Physics & Astronomy Colloquium</i> , Pomona College	Nov. 2021
	<i>Theoretical Astrophysics Center Seminar</i> , UC Berkeley	Nov. 2021
	<i>Astro Lunch</i> , University of Pittsburgh/Carnegie Mellon University	Oct. 2021
	<i>Astronomy Seminar</i> , Michigan State University	Oct. 2021
	<i>Galaxy Hour</i> , Ohio State University	Oct. 2021
	<i>Science Happy Hour</i> , Northwestern University CIERA	Oct. 2021
	<i>Lunch Talk</i> , Carnegie Observatories	Sep. 2021
	<i>CfA Seminar</i> , Center for Astrophysics Harvard & Smithsonian	Sep. 2021
	<i>Physics & Astronomy Colloquium</i> , Cal Poly Pomona	Oct. 2019
Contributed Research Presentations	<i>Santa Cruz Galaxy Workshop</i> (Santa Cruz, CA)	Aug. 2026
	<i>Rubin Community Workshop</i> (Palo Alto, CA)	Jul. 2026
	<i>247th AAS Meeting</i> (Phoenix, AZ)	Jan. 2026
	<i>Galactic Frontiers II</i> (Dartmouth, NH)	Jun. 2025
	<i>56th AAS Division on Dynamical Astronomy meeting</i> (Atlanta, GA)	May 2025
	<i>Dwarf Galaxies, Star Clusters, and Streams in the LSST Era</i> (KICP)	Jul. 2024
	<i>243rd AAS Meeting</i> (New Orleans, LA)	Jan 2024
	<i>Dwarf Galaxies in the Local Volume and Beyond</i> (Flatiron/CCA)	Jul. 2023
	<i>Keck Science Meeting</i> (UCSD)	Sep. 2021
	<i>235th AAS Meeting</i> (Honolulu, HI)	Jan. 2020
	<i>Keck Science Meeting</i> (UCLA)	Sep. 2019
	<i>233rd AAS Meeting; Chambliss Student Award Winner</i> (Seattle, WA)	Jan. 2019
	<i>Stellar Archaeology as a Time Machine</i> (Kavli IPMU, Tokyo, Japan)	Dec. 2018
	<i>Laws of Star Formation</i> (Institute of Astronomy, Cambridge, UK)	Jul. 2018
	<i>232nd AAS meeting</i> (Denver, CO)	Jun. 2018
	<i>The Scales of Star Formation in Galaxies</i> (Sexten, Italy)	Jul. 2017
	<i>223rd AAS meeting</i> (Washington, DC)	Jan. 2014

Other Invited Presentations	<i>Astronomy on Tap: Manila</i>	Oct. 2026
	<i>Rubin Lightning Story</i>	Jul. 2026
	<i>24th Annual Symposium for the NSF Astronomy and Astrophysics Postdoctoral Fellows</i>	Jan. 2026
	<i>Astronomy on Tap: Western Mass</i>	Oct. 2025
	<i>40th Research Symposium keynote (NC School of Science and Math)</i>	Apr. 2025
	<i>(Un)Timely Narratives symposium (Amherst College)</i>	Apr. 2025
	<i>SciTech Cafe</i>	Oct. 2024
	<i>Committee On Inclusiveness in SDSS</i>	May 2024
	<i>Mount Holyoke College Astronomy Club</i>	Apr. 2024
	<i>Amherst College HPC Celebration</i>	Apr. 2024
	<i>XMC Workshop: Milky Clouds over Manhattan (Flatiron/CCA)</i>	Feb. 2024
	<i>Lamat AstroTalk (UCSC)</i>	Jun. 2023
	<i>KIPAC Community Day</i>	Apr. 2023
	<i>Open Cultural Astronomy Forum Seminar</i>	Feb. 2023
	<i>San Diego Astronomy Association</i>	Oct. 2020
	<i>California Academy of Sciences Virtual NightLife series</i>	Jul. 2020
	<i>Caltech Astronomy Stargazing and Lecture series</i>	May 2020
	<i>Astronomy on Tap: Los Angeles</i>	Jan. 2018

Outreach and Professional Service

College service

- Faculty Housing Committee Dec. 2024 - Jul. 2026
- Amherst American Association of University Professors (AAUP)
Executive Committee Member At Large Aug. 2025 - Jul. 2026
- Amherst College Observatory Director Aug. 2024 - present
 - Manages and maintains 5 rooftop telescopes
 - Hires and coordinates with student observatory managers
 - Runs outreach events for Amherst College community, admissions events, and general public
- Department Climate and Community Committee Aug. 2023 - Dec. 2025
- Other service and outreach
 - Academic advisor for 17 Amherst undergraduates (6 first-year advisees, 11 physics/astronomy majors)
 - Invited panelist at 2025 Access to Amherst program
 - Invited panelist at 2024 Amherst College New Faculty Orientation
 - Organized Solar Week (4 days of tabling and science demos leading up to total solar eclipse in Apr. 2024, handed out >1000 eclipse glasses)

Professional service

- Reviewer (within past 5 years) for *NASA*, *European Research Council*
- Journal referee (within past 5 years) for *Astronomy & Astrophysics*, *Astronomical Journal*, *Astrophysical Journal*, *Monthly Notices of the Royal Astronomical Society*, *Nature*
- Professional membership: American Astronomical Society, International Astronomical Union