

## Malena Rice

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CONTACT INFORMATION	Yale Department of Astronomy 219 Prospect St. New Haven, CT 06511	Email: malena.rice@yale.edu Web: www.astro.yale.edu/malenarice
RESEARCH INTERESTS	Orbital architectures; exoplanet demographics; planetary system evolution; outer solar system dynamics; exoplanet detection and characterization	
APPOINTMENTS	<p><b>Assistant Professor</b> <span style="float: right;">2023-present</span> Department of Astronomy, Yale University</p> <p><b>Research Faculty</b> <span style="float: right;">2022-2023</span> Department of Astronomy, Yale University</p> <p><b>51 Pegasi b Postdoctoral Fellow</b> <span style="float: right;">2022-2023</span> Department of Physics, Massachusetts Institute of Technology</p> <p><b>NSF Graduate Research Fellow</b> <span style="float: right;">2017-2022</span> Department of Astronomy, Yale University</p>	
EDUCATION	<p><b>Yale University</b>, New Haven, CT <span style="float: right;">2017-2022</span></p> <p style="padding-left: 20px;"><b>Ph.D.</b> in Astronomy with Distinction (February 2022) Dissertation: <i>A Dynamical Synthesis of Planetary Systems</i> Advisor: Greg Laughlin</p> <p style="padding-left: 20px;"><b>M.S., M.Phil.</b> in Astronomy (May 2020)</p> <p><b>University of California, Berkeley</b>, Berkeley, CA <span style="float: right;">2013-2017</span></p> <p style="padding-left: 20px;"><b>B.A.</b> in Physics; <b>B.A.</b> in Astrophysics with High Honors (May 2017) Distinction in General Scholarship Honors Thesis: <i>Debris Disk Analysis with the Gemini Planet Imager</i> Advisor: Gaspard Duchêne</p>	
FELLOWSHIPS & AWARDS	<ul style="list-style-type: none"> <li>● 2024 Scialog Fellow: Early Science with the LSST <span style="float: right;">2024</span></li> <li>● Yale Poorvu Center Rosenkranz Award for Pedagogical Advancement (\$10k) <span style="float: right;">2024</span></li> <li>● Yale Faculty of Arts and Sciences (FAS) Dean’s Leadership Fellowship <span style="float: right;">2024</span></li> <li>● 2023 Rising Talent: Women’s Forum for the Economy &amp; Society <span style="float: right;">2023</span></li> <li>● 2023 Scialog Fellow: Signatures of Life in the Universe <span style="float: right;">2023</span></li> <li>● Forbes 30 Under 30 (Science) <span style="float: right;">2023</span></li> <li>● IAU PhD Prize (Division F: Planetary Systems and Bioastronomy) <span style="float: right;">2022</span></li> <li>● 51 Pegasi b Postdoctoral Fellowship (\$385k) <span style="float: right;">2022-2023</span></li> <li>● NASA Hubble Fellowship Program - Sagan Fellowship (declined) <span style="float: right;">2022</span></li> <li>● NSF Graduate Research Fellowship (\$102k) <span style="float: right;">2017-2022</span></li> <li>● P.E.O. Scholar Award (\$20k) <span style="float: right;">2021-2022</span></li> <li>● Yale 3-Minute Thesis Competition “Best in STEM” Award <span style="float: right;">2021</span></li> <li>● DDA/AAS Raynor L. Duncombe Student Research Prize <span style="float: right;">2020</span></li> <li>● Pierazzo International Student Travel Award (\$2k) <span style="float: right;">2020</span></li> <li>● NASA CT Space Grant Graduate Research Fellowship (\$8k) <span style="float: right;">2019</span></li> <li>● Binary Asteroids 5 Workshop Travel Award <span style="float: right;">2019</span></li> <li>● UC Berkeley Regents’ and Chancellor’s Scholarship (\$10k) <span style="float: right;">2013-2017</span></li> </ul>	

	<ul style="list-style-type: none"> <li>• UC Berkeley Leadership Award (\$2k) 2013-2014, 2016-2017</li> <li>• UC Berkeley Regents' and Chancellor's Research Fellowship 2016, 2x</li> <li>• Society of Physics Students (SPS) Travel Award 2016, 2x</li> <li>• UCL International Students Dean's Summer Student Scholarship (£5k) 2016</li> <li>• NASA CA Space Grant Undergraduate Research Fellowship 2016</li> <li>• UC Berkeley Academic Opportunity Fund Award 2015, 2016</li> <li>• Berkeley Physics Undergraduate Research Scholarship 2015, 2016</li> </ul>
LARGE GRANTS AWARDED	<p>NASA XRP 2023 (CoI Rice, PI Songhu Wang; \$91.5k to Yale) 2024-2027 <i>3D Geometries of Exoplanetary Systems: Mapping Eccentricity, Obliquity, and the Inner-Outer Planet Relation</i></p> <p>Heising-Simons Foundation Research Grant (PI Rice; \$128.3k) 2023-2028 <i>Toward Cross-Disciplinary Exoplanet Studies</i></p> <p>Scialog Research Grant: Signatures of Life in the Universe (PI Rice; \$55k) 2023-2025 <i>Investigating the Biological Potential of Moons in the Uranus System</i></p> <p>TESS GI Proposal, Cycle 6 Large Program (PI Rice; \$250k) 2023-2024 <i>Expanding Outer Solar System Science With TESS</i></p> <p>Oracle for Research Project Award (PI Rice; \$86k in Cloud Credits) 2023-2024 <i>Unveiling the Mysteries of the Solar System with the NASA TESS Mission</i></p>
SMALL GRANTS AWARDED	<ul style="list-style-type: none"> <li>• Yale Univ. Art Gallery – Poorvu Center Curriculum Dev. Grant 2023-2024</li> <li>• AAS International Travel Grant 2022</li> <li>• DPS Education and Outreach Grant (awarded for astro[sound]bites) 2020, 2021</li> </ul>
NATIONAL LEADERSHIP	<p>NASA HWO Demographics and Architectures Sub-WG Co-Chair 2024-</p> <p>NASA ExoExplorers Steering Committee Member 2023-</p> <p>ExoPAG Representative, Cross-PAG SAG “New Great Observatories” Executive Committee Member, NASA ExoPAG 2023-2026</p> <p>TESS Users' Committee (TUC) Member, NASA TESS Mission 2023-2025</p>
PUBLICATIONS (*group member)	<p>First-author:</p> <ol style="list-style-type: none"> <li>10. <b>Rice, M.</b>, *Gerbig, K., &amp; Vanderburg, A. 2024 <i>AJ</i> 167, 126. <i>The Orbital Geometries and Stellar Obliquities of Exoplanet-Hosting Multi-Star Systems</i></li> <li>9. <b>Rice, M.</b>, Wang, X.-Y., Wang, S. et al. 2023 <i>AJ</i> 166, 266. <i>Evidence for Low-Level Dynamical Excitation in Near-Resonant Exoplanet Systems</i></li> <li>8. <b>Rice, M.</b>, Wang, S., *Gerbig, K., Wang, X.-Y. et al. 2023 <i>AJ</i> 165, 65. <i>The Orbital Architecture of Qatar-6: A Fully Aligned 3-Body System?</i></li> <li>7. <b>Rice, M.</b>, Wang, S., Wang, X.-Y., Isaacson, H., Howard, A. et al. 2022 <i>AJ</i> 164, 104. <i>A Tendency Toward Alignment in Single-Star Warm-Jupiter Systems</i></li> <li>6. <b>Rice, M.</b>, Wang, S., &amp; Laughlin, G. 2022 <i>ApJL</i> 926, L17. <i>Origins of Hot Jupiters from the Stellar Obliquity Distribution</i></li> <li>5. <b>Rice, M.</b>, Wang, S., Howard, A., Isaacson, H., Dai, F. et al. 2021 <i>AJ</i> 162, 182. <i>SOLES I: The Spin-Orbit Alignment of K2-140 b</i></li> <li>4. <b>Rice, M.</b> &amp; Laughlin, G. 2020 <i>PSJ</i> 1, 81. <i>Exploring Trans-Neptunian Space with TESS: A Targeted Search for Planet Nine and Distant TNOs in the Galactic Plane</i></li> <li>3. <b>Rice, M.</b> &amp; Brewer, J. 2020 <i>ApJ</i> 898, 119. <i>Stellar Characterization of Keck HIRES Spectra with The Cannon</i></li> <li>2. <b>Rice, M.</b> &amp; Laughlin, G. 2019 <i>ApJL</i> 844, L22. <i>Hidden Planets: Implications from 'Oumuamua and DSHARP</i></li> </ol>

1. **Rice, M.** & Laughlin, G. 2019 *AJ* 158, 19. *The Case for a Large-Scale Occultation Network*

Second- or third-author:

13. Wang, X.-Y., **Rice, M.**, Wang, S., et al. 2024 (*in review*).
12. \*Gerbig, K., **Rice, M.**, Zanazzi, J.J., Christian, S., & Vanderburg, A. 2024 (*in review*).
11. Radzom, B., Dong, J., **Rice, M.**, et al. 2024 (*in review, AJ*). *Evidence for Primordial Alignment: Insights from Stellar Obliquity Measurements for Compact Sub-Saturn Systems*
10. \*Hu, Q., **Rice, M.**, Wang, X.-Y., et al. 2024 *AJ* 167, 175. *The PFS view of TOI-677 b: A Spin-Orbit Aligned Warm Jupiter in a Dynamically Hot System*
9. \*Gussman, J. & **Rice, M.** 2024 *ApJL* 961, L24. *Inferring Stellar Parameters from Iodine-Imprinted Keck/HIRES Spectra with Machine Learning*
8. Lubin, J., Wang, X.-Y., **Rice, M.**, et al. 2023 *ApJL* 959, L5. *TOI-1670 c, a 40-day Orbital Period Warm Jupiter in a Compact System, is Well-Aligned*
7. \*Wright, J., **Rice, M.**, Wang, X.-Y., et al. 2023 *AJ* 166, 217. *SOLES VII: The Spin-Orbit Alignment of WASP-106 b, a Warm Jupiter Along the Kraft Break*
6. Dong, J., Wang, S., **Rice, M.**, et al. 2023 *ApJL* 951, L29. *TOI-1859b: A 64-Day Warm Jupiter on an Eccentric, Misaligned Orbit*
5. Hixenbaugh, K., Wang, X.-Y., **Rice, M.**, & Wang, S. 2023 *ApJL* 949, L35. *The Spin-Orbit Misalignment of TOI-1842b: The First Measurement of the Rossiter-McLaughlin Effect for a Warm Sub-Saturn around a Massive Star*
4. Wu, D.-H., **Rice, M.**, & Wang, S. 2023 *AJ* 165, 171. *Evidence for Hidden Nearby Companions to Hot Jupiters*
3. Wang, X.-Y., **Rice, M.**, et al. 2022 *ApJL* 926, L8. *The Aligned Orbit of WASP-148b, the Only Known Hot Jupiter with a Nearby Warm Jupiter Companion, from NEID and HIRES*
2. Duchêne, G., **Rice, M.**, et al. 2020 *AJ* 159, 251. *The Gemini Planet Imager View of the HD 32297 Debris Disk*
1. Edwards, B., **Rice, M.**, Zingales, T., Tessenyi, M., Waldmann, I., Tinetti, G. et al. 2018 *Experimental Astronomy* 47, 29. *Exoplanet Spectroscopy and Photometry with the Twinkle Space Telescope*

Other co-author:

48. Saunders, N., Grunblatt, S.K., Chontos, A., et al. (incl **Rice, M.**) 2024 (*in review*).
47. Pidhorodetska, D., Kane, S.R., Gilbert, E.A., et al. (incl **Rice, M.**) 2024 (*in review*).
46. Alqasim, A., Grieves, N., Rosario, N., et al. (incl **Rice, M.**) 2024 (*in review*).
45. Xiao, G.-Y., Feng, F., Shtetman, S.A., et al. (incl **Rice, M.**) 2024 (*in review*).
44. Radzom, B.T., Wang, S., Pu, B., **Rice, M.** & Wu, D.-H. 2024 (*in review*).
43. Polanski, A.S., Lubin, J., Beard, C., et al. (incl **Rice, M.**) 2024 (*in press, ApJS*). *The TESS-Keck Survey XX: 15 New TESS Planets and a Uniform RV Analysis of all Survey Targets*
42. Grunblatt, S.K., Saunders, N., Huber, D., et al. (incl **Rice, M.**) 2024 (*in press, AJ*). *TESS Giants Transiting Giants. IV. A low-density hot Neptune orbiting a red giant star*

41. Battley, M.P., Collins, K.A., Ulmer-Moll, S., et al. (incl. **Rice, M.**) 2024 (*in press, AJ*). *NGTS-30 b/TOI-4862 b: An  $\sim 1$  Gyr Old 98-day Transiting Warm Jupiter*
40. Lange, S., Akana Murphy, J.M., Batalha, N.M., et al. (incl. **Rice, M.**) 2024 (*in press, AJ*). *The TESS-Keck Survey. VII. A Superdense Sub-Neptune Orbiting TOI-1824*
39. Hord, B.J., Kempton, E. M.-R., Mikal-Evans, T., et al. (incl. **Rice, M.**) 2024 *AJ* 167, 233. *Identification of the Top TESS Objects of Interest for Atmospheric Characterization of Transiting Exoplanets with JWST*
38. Desai, A., Turtelboom, E., Dressing, C., et al. (incl. **Rice, M.**) 2024 *AJ* 167, 194. *The TESS-Keck Survey. XVIII.: A Sub-Neptune and Spurious Long-Period Signal in the TOI-1751 System*
37. Thomas, C.A., Weiss, L.M., Isaacson, H., et al. (incl. **Rice, M.**) 2024 *AJ* 167, 160. *A Tale of Two Peas-In-A-Pod: The Kepler-323 and Kepler-104 Systems*
36. Rubenzahl, R.A., Dai, F., Howard, A., et al. (incl. **Rice, M.**) 2024 *AJ* 167, 153. *The TESS-Keck Survey. XII. A Dense  $1.8 R_{\oplus}$  Ultra-Short-Period Planet Possibly Clinging to a High-Mean-Molecular-Weight Atmosphere After the First Gigayear*
35. Hom, J., Patience, J., Chen, C.H., et al. (incl. **Rice, M.**) 2024 *MNRAS* 528, 6959. *A Uniform Analysis of Debris Disks with the Gemini Planet Imager II: Constraints on Dust Density Distribution Using Empirically-Informed Scattering Phase Functions*
34. Dalba, P.A., Kane, S.R., Isaacson, H., et al. (incl. **Rice, M.**) 2024 *ApJS* 271, 16. *Giant Outer Transiting Exoplanet Mass (GOT ‘EM) Survey. IV. Long-term Doppler Spectroscopy for 11 Stars Thought to Host Cool Giant Exoplanets*
33. Crotts, K.A., Matthews, B.C., Duchêne, G., et al. (incl. **Rice, M.**) 2024 *ApJ* 961, 245. *A Uniform Analysis of Debris Disks with the Gemini Planet Imager I: An Empirical Search for Perturbations from Planetary Companions in Polarized Light Images*
32. Householder, A., Weiss, L., Owen, J.E., et al. (incl. **Rice, M.**) 2024 *AJ* 167, 84. *Investigating the Atmospheric Mass Loss of the Kepler-105 Planets Straddling the Radius Gap*
31. Beard, C., Robertson, P., Dai, F., et al. (incl. **Rice, M.**) 2024 *AJ* 167, 70. *The TESS-Keck Survey XVI: Precise Mass Measurements in a Young, High Multiplicity Transiting Planet System using Radial Velocities and Transit Timing Variations*
30. Thompson, W., Lawrence, J., Blakely, D., et al. (incl. **Rice, M.**) 2023 *AJ* 166, 164. *Octofitter: Fast, Flexible, and Accurate Orbit Modelling to Detect Exoplanets*
29. Akana Murphy, J.M., Batalha, N.M., Scarsdale, N., et al. (incl. **Rice, M.**) 2023 *AJ* 166, 153. *The TESS-Keck Survey. XVI. Mass Measurements for 12 Planets in Eight Systems*
28. MacDougall, M., Petigura, E., Gilbert, G., et al. (incl. **Rice, M.**) 2023 *AJ* 166, 33. *The TESS-Keck Survey. XV. Precise Properties of 108 TESS Planets and Their Host Stars*
27. Hon, M., Huber, D., Rui, N.Z., et al. (incl. **Rice, M.**) 2023 *Nature* 618, 917. *A Close-in Jovian Planet Orbiting a Helium-Burning Red Giant Star*

26. Zink, J.K., Hardegree-Ullman, K.H., Christiansen, J.L., et al. (incl. **Rice, M.**) 2023 *AJ* 165, 262. *Scaling K2. VI. Reduced Small Planet Occurrence in High Galactic Amplitude Stars*
25. Zhang, S.Y., Duchêne, G., Ansdell, M., et al. (incl. **Rice, M.**) 2023 *AJ* 165, 219. *Testing the Interaction Between a Substellar Companion and a Debris Disk in the HR 2562 System*
24. Brinkman, C.L., Weiss, L.M., Dai, F., et al. (incl. **Rice, M.**) 2023 *AJ* 165, 88. *TOI-561 b: A Low Density Ultra-Short Period “Rocky” Planet around a Metal-Poor Star*
23. Grunblatt, S.K., Saunders, N., Hattori, S., et al. (incl. **Rice, M.**) 2023 *AJ* 165, 44. *TESS Giants Transiting Giants III: An Eccentric Warm Jupiter Supports a Period-Eccentricity Relation for Giant Planets Transiting Evolved Stars*
22. Yang, Y., Yan, H., Wang, L., et al. (incl. **Rice, M.**) 2022 *ApJ* 939, 18. *Spectropolarimetry of the Thermonuclear Supernova SN 2021rhu - High Calcium Polarization 79 Days After Peak Luminosity*
21. MacDougall, M., Petigura, E., Fetherolf, T., et al. (incl. **Rice, M.**) 2022 *AJ* 164, 97. *The TESS-Keck Survey. XIII. An Eccentric Hot Neptune with a Similar-Mass Outer Companion around TOI-1272*
20. Polanski, A.S., Crossfield, I.J.M., Howard, A.W., Isaacson, H., & **Rice, M.** 2022 *RNAAS* 6, 155. *Chemical Abundances for 25 JWST Exoplanet Host Stars with KeckSpec*
19. LIFE Collaboration et al. (incl. **Rice, M.**) 2022 *A&A* 664, A21. *Large Interferometer for Exoplanets (LIFE): I. Improved Exoplanet Detection Yield Estimates for a Large Mid-Infrared Space-Interferometer Mission*
18. Turtelboom, E.V., Weiss, L.M., Dressing, C.D., et al. (incl. **Rice, M.**) 2022 *AJ* 163, 293. *The TESS-Keck Survey. XI. Mass Measurements for Four Transiting sub-Neptunes orbiting K dwarf TOI 1246*
17. Johnson, M.C., David, T.J., Petigura, E.K., et al. (incl. **Rice, M.**) 2022 *AJ* 163, 247. *An Aligned Orbit for the Young Planet V1298 Tau b*
16. Worku, K., Wang, S., Burt, J., **Rice, M.**, et al. 2022 *AJ* 163, 158. *Revisiting the Full Sets of Orbital Parameters for the XO-3 System: No Evidence for Temporal Variation of the Spin-Orbit Angle*
15. Grunblatt, S.K., Saunders, N., Sun, M., et al. (incl. **Rice, M.**) 2022 *AJ* 163, 120. *TESS Giants Transiting Giants (GTG) II: The Hottest Jupiters Orbiting Evolved Stars*
14. Lubin, J., Van Zandt, J., Holcomb, R., et al. (incl. **Rice, M.**) 2022 *AJ* 163, 101. *TESS-Keck Survey IX: Masses of Three Sub-Neptunes Orbiting HD 191939 and the Discovery of a Warm Jovian Plus a Distant Sub-Stellar Companion*
13. Dalba, P.A., Kane, S.R., Dragomir, D., et al. (incl. **Rice, M.**) 2022 *AJ* 163, 61. *The TESS-Keck Survey. VIII. Confirmation of a Transiting Giant Planet on an Eccentric 261-day Orbit with the Automated Planet Finder Telescope*
12. MacDougall, M.G., Petigura, E.A., Angelo, I., et al. (incl. **Rice, M.**) 2021 *AJ* 162, 265. *The TESS-Keck Survey. VI. Two Eccentric sub-Neptunes Orbiting HIP-97166*
11. Llop-Sayson, J., Wang, J., Ruffio, J.-B., et al. (incl. **Rice, M.**) 2021 *AJ* 162, 181. *Constraining the Orbit of  $\epsilon$  Eridani b with Radial Velocities, Hipparcos IAD-Gaia DR2 Astrometry, and Multi-epoch Vortex Coronagraphy Upper Limits*

10. Dai, F., Howard, A.W., Batalha, N.M., et al. (incl. **Rice, M.**) 2021 *AJ* 162, 62. *TKS X: Confirmation of TOI-1444b and a Comparative Analysis of the Ultra-short-period Planets with Hot Neptunes*
9. Wang, S., Winn, J.N., Addison, B.C., Dai, F., **Rice, M.**, et al. 2021 *AJ* 162, 50. *The Aligned Orbit of the Eccentric Warm Jupiter K2-232 b*
8. Wang, X.-Y., Wang, Y.-H., Wang, S., Wu, Z.-Y., **Rice, M.**, et al. 2021 *ApJS* 255, 15. *Transiting Exoplanet Monitoring Project (TEMP). VI. The Homogeneous Refinement of System Parameters for 39 Transiting Hot Jupiters with 127 New Light Curves*
7. Crotts, K., Matthews, B., Esposito, T., et al. (incl. **Rice, M.**) 2021 *ApJ* 915, 58. *A Deep Polarimetric Study of the Asymmetrical Debris Disk HD 106906*
6. Kosiarek, M., Crossfield, I., Berardo, D., et al. (incl. **Rice, M.**) 2021 *AJ* 161, 47. *Physical Parameters of the Multi-Planet Systems HD 106315 and GJ 9827*
5. Esposito, T., Kalas, P., Fitzgerald, M.P., et al. (incl. **Rice, M.**) 2020 *AJ* 160, 24. *Debris Disk Results from the Gemini Planet Imager Exoplanet Survey's Polarimetric Imaging Campaign*
4. Blunt, S., Wang, J., Angelo, I., Ngo, H., et al. (incl. **Rice, M.**) 2020 *AJ* 159, 89. *orbitize!: A Comprehensive Orbit-Fitting Software Package for the High-Contrast Imaging Community*
3. Nixon, C.A., Ansty, T.M., Lombardo, N.A., Bjoraker, G.L., Achterberg, R.K., Annex, A., **Rice, M.**, et al. 2019 *ApJS* 244, 14. *Cassini Composite Infrared Spectrometer (CIRS) Observations of Titan 2004-2017*
2. Ren, B., Choquet, É., Perrin, M.D., Duchêne, G., Debes, J.H., Pueyo, L., **Rice, M.** et al. 2019 *ApJ* 882, 64. *An Exo-Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light*
1. Esposito, T.M., Duchêne, G., Kalas, P., **Rice, M.**, Choquet, É., Ren, B., Perrin, M.D. et al. 2018 *AJ* 156, 2. *Direct Imaging of the HD 35841 Debris Disk: A Polarized Dust Ring from Gemini Planet Imager and an Outer Halo from HST/STIS*

RESEARCH  
ADVISING

<b>Joseph Hand</b> , University of Kansas (undergraduate)	June 2024 - August 2024
<b>Kyra Bettwy</b> , Yale University (undergraduate)	May 2024 - July 2024
<b>Kenny Phan</b> , Yale University (undergraduate)	May 2024 - July 2024
<b>Emily Sanzone</b> , Yale University (undergraduate)	May 2024 - July 2024
<b>Lucas Zimmerman</b> , Yale University (undergraduate)	May 2024 - July 2024
<b>Thiago Ferreira</b> , Yale University (graduate)	Aug 2023-
<b>Yurou (Nina) Liu</b> , Yale University (undergraduate)	June 2023-
<b>Ben Cassese</b> , Columbia University (graduate)	Sep 2022-
<b>Konstantin Gerbig</b> , Yale University (graduate)	Aug 2022-
<b>Hanna Adamski</b> , Yale University (undergraduate)	Jan 2021-
<b>Qingru Hu</b> , Tsinghua University (undergraduate)	March 2023 - March 2024
<b>Jude Gussman</b> , Indiana University (undergraduate/postbacc)	Sep 2020 - Jan 2024
<b>Jeremiah Reynoso</b> , Morehouse College (undergraduate)	June 2023 - Oct 2023
<b>Josette Wright</b> , Indiana University (postbacc)	July 2023 - Oct 2023
<b>Mahderekal Regassa</b> , Wellesley College (undergraduate)	Oct 2022 - Dec 2022
<b>Ella Cassidy</b> , Wellesley College (undergraduate)	Oct 2022 - Dec 2022

	<b>Divya Kumari</b> , Hillsborough High School	March 2022 - July 2022
	<b>Rachel Feng</b> , Central Bucks High School	Jun 2021 - Sep 2021
	<b>Kaitlyn Sarkissian</b> , Royal High School	Jun 2021 - Aug 2021
	<b>Alexandra Cruz</b> , Saint Pedro Poveda College (high school)	Jun 2020 - Aug 2020
SELECT	<b>Simran Dhillon</b> , Royal High School	2022-2023
NON-RESEARCH	Mentorship on preparation for an astrophysics career	
MENTORSHIP	<b>Denyz Melchor</b> , UCLA	2022-2023
	Mentored through DDA Mentoring Program	
	<b>Grace Burton</b> , Yale University	2021-2022
	Mentored through Yale's Astro Sibs program	
	<b>Kidus Dawit</b> , High School (now undergraduate, Yale University)	2021
	Mentored through Yale Young Global Scholars	
	<b>Abby Mintz</b> , Yale University (now PhD student, Princeton University)	2018-2019
	Mentored through Yale's Astro Sibs program	
SEMINARS & COLLOQUIA	Weizmann Institute Astronomy & Astrophysics Seminar ( <i>Rehovot, Israel</i> ) [postponed]	
	Canadian Inst. for Theoretical Astrophysics Seminar ( <i>Toronto - Canada</i> )	April 2024
	University of Maine Physics and Astronomy Colloquium ( <i>Orono, ME</i> )	March 2024
	Columbia University Astronomy Colloquium ( <i>New York, NY</i> )	Nov 2023
	Observatório Nacional (Brazil) Astrophysics Seminar ( <i>webinar</i> )	May 2023
	Indiana University Astronomy Colloquium ( <i>Bloomington, IN</i> )	March 2023
	Five College Astronomy Department Colloquium ( <i>Amherst, MA</i> )	Dec 2022
	University of Washington Bothell Colloquium ( <i>webinar</i> )	Nov 2022
	University of Cambridge Exoplanet Seminar ( <i>webinar</i> )	Nov 2022
	MIT EAPS Department Lecture Series ( <i>Cambridge, MA</i> )	Nov 2022
	McGill Space Institute Astronomy Seminar ( <i>Montreal - Canada</i> )	Nov 2022
	Harvard CfA Exoplanet Pizza Lunch ( <i>Cambridge, MA</i> )	Nov 2022
	University College London Special Seminar ( <i>London - England</i> )	Oct 2022
	Harvard CfA Exoplanet Pizza Lunch ( <i>Cambridge, MA</i> )	March 2022
	Yale Astronomy Colloquium ( <i>webinar</i> )	Jan 2022
	Ohio State Exoplanet Talk Series ( <i>webinar</i> )	Dec 2021
	Caltech Planetary Science Seminar ( <i>Pasadena, CA</i> )	Nov 2021
	UCLA Tuesday Lunch Talk ( <i>webinar</i> )	Oct 2021
	University of Michigan Star and Planet Formation Seminar ( <i>webinar</i> )	Oct 2021
	Penn State CEHW Seminar ( <i>webinar</i> )	Oct 2021
	MIT Brown Bag Seminar ( <i>Cambridge, MA</i> )	Sep 2021
	Princeton Exoplanet Discussion Group Seminar ( <i>Princeton, NJ</i> )	Sep 2021
	Univ. of Pennsylvania Astronomy Seminar ( <i>Philadelphia, PA</i> )	Sep 2021
	UIUC Center for Astrophysical Surveys (CAPS) Seminar ( <i>webinar</i> )	April 2021
	NASA JPL Exoplanet Seminar ( <i>webinar</i> )	April 2021
	Harvard ITC Colloquium ( <i>webinar</i> )	March 2021
	STScI Exoplanet, Star, and Planet Formation Seminar ( <i>webinar</i> )	March 2021
	Indiana University Astronomy Lunch Talk ( <i>webinar</i> )	Feb 2021
	MIT TESS Science Group Seminar ( <i>webinar</i> )	Dec 2020
	CCA Stars & Exoplanets Meeting ( <i>webinar</i> )	July 2020
	Columbia University Seminar ( <i>webinar</i> )	April 2020
	San Francisco State University Colloquium ( <i>San Francisco, CA</i> )	Feb 2020
	UC Berkeley CIPS Seminar ( <i>Berkeley, CA</i> )	Feb 2020
	Keck Observatory Seminar ( <i>Waimea, HI</i> )	Nov 2019
	NASA Astrobiology Institute Extended Science Talk ( <i>webinar</i> )	Oct 2019
	University of Hong Kong Seminar ( <i>Pok Fu Lam - Hong Kong</i> )	Aug 2019

	University of Chicago Exoplanet Seminar ( <i>Chicago, IL</i> )	April 2019
	Yale Exoplanet Seminar ( <i>New Haven, CT – USA</i> )	March 2019
	UC Berkeley Astronomy Lunch Talk ( <i>Berkeley, CA – USA</i> )	April 2017
INVITED JOURNAL CLUB/RESEARCH GROUP PRESENTATIONS	Chen Research Group Meeting (Florida Institute of Technology)	July 2023
	Virtual Solar System Minor Bodies Journal Club	Nov 2020
	Paper: <i>Exploring Trans-Neptunian Space with TESS: A Targeted Search for Planet Nine and Distant TNOs in the Galactic Plane</i> (Rice & Laughlin 2020)	
	Princeton Institute for Advanced Study Astro-Coffee	Nov 2020
	Paper: <i>Exploring Trans-Neptunian Space with TESS: A Targeted Search for Planet Nine and Distant TNOs in the Galactic Plane</i> (Rice & Laughlin 2020)	
CONFERENCE RESEARCH TALKS (*INVITED; **REVIEW)	*IAU General Assembly, Division F Days ( <i>Cape Town, South Africa</i> )	Aug 2024
	**AAS DDA Meeting #55 ( <i>Toronto, Canada</i> )	May 2024
	Extreme Solar Systems V ( <i>Christchurch, New Zealand</i> )	March 2024
	*Small Bodies Assessment Group Meeting # 30 ( <i>Tucson, AZ</i> )	Feb 2024
	AAS General Meeting #243 ( <i>New Orleans, LA</i> )	Jan 2024
	**Open Problems in the Astrophysics of Gas Giants ( <i>Puerto Natales, Chile</i> )	Dec 2023
	*51 Pegasi b Summit 2023 ( <i>San Francisco, CA</i> )	Aug 2023
	AAS DDA Meeting #54 ( <i>East Lansing, MI</i> )	May 2023
	AAS General Meeting #241 ( <i>Seattle, WA</i> )	Jan 2023
	*AAS #241 – Science from the TESS Extended Mission ( <i>Seattle, WA</i> )	Jan 2023
	*Lowell Discovery Telescope Partners Meeting ( <i>Boston, MA</i> )	Nov 2022
	*TESS Science Team Meeting #29 ( <i>Cambridge, MA</i> )	Oct 2022
	*51 Pegasi b Summit 2022 ( <i>San Francisco, CA</i> )	Aug 2022
	*CT Exoplanet Picnic 2022 ( <i>Middletown, CT</i> )	Aug 2022
	AAS General Meeting #240 ( <i>Pasadena, CA</i> )	June 2022
	Exoplanets IV ( <i>Las Vegas, NV</i> )	May 2022
	AAS DDA Meeting #53 ( <i>New York, NY</i> )	April 2022
	*Science from the TESS Extended Mission ( <i>virtual</i> )	Feb 2022
	*Twinkle and the Next Generation of Exoplanet Scientists ( <i>virtual</i> )	Sep 2021
	Bay Area Exoplanets #28 ( <i>virtual</i> )	Sep 2021
	2021 Keck Science Meeting ( <i>San Diego, CA</i> )	Sep 2021
	TESS Science Conference II ( <i>virtual</i> )	Aug 2021
	AAS DDA Meeting #52 ( <i>virtual</i> )	May 2021
	AAS General Meeting #237 ( <i>virtual</i> )	Jan 2021
	DPS 52 Conference ( <i>virtual</i> )	Oct 2020
	Europlanet Science Congress (EPSC) 2020 ( <i>virtual</i> )	Sep 2020
	AAS DDA Meeting #51 ( <i>virtual</i> )	Aug 2020
	Binary Asteroids V ( <i>Fort Collins, CO</i> )	Sep 2019
	Extreme Solar Systems IV ( <i>Reykjavík, Iceland</i> )	Aug 2019
	Great Barriers in Planet Formation Disc-ussion ( <i>Melbourne, Australia</i> )	July 2019
	Emerging Researchers in Exoplanet Science V ( <i>Ithaca, NY</i> )	June 2019
	Large Surveys with Small Telescopes ( <i>Bamberg, Germany</i> )	March 2019
	Boston Area Exoplanets #5 ( <i>Boston, MA</i> )	Jan 2019
	AAS General Meeting #233 ( <i>Seattle, WA</i> )	Jan 2019
RESEARCH POSTERS	Exoplanets III ( <i>virtual</i> )	July 2020
	Asia Oceania Geosciences Society Meeting 2019 ( <i>Singapore</i> )	July 2019
	Great Barriers in Planet Formation ( <i>Palm Cove, Australia</i> )	July 2019
	2018 International HPC Summer School ( <i>Ostrava, Czech Republic</i> )	July 2018
	Exoplanets II ( <i>Cambridge, UK</i> )	July 2018
	Emerging Researchers in Exoplanet Science IV ( <i>State College, PA</i> )	July 2018

AAS General Meeting #231 ( <i>National Harbor, MD</i> )	Jan 2018
2017 BPURS Poster Presentation ( <i>Berkeley, CA</i> )	March 2017
AAS General Meeting #229 ( <i>Grapevine, TX</i> )	Jan 2017
Conference for Undergraduate Women in Physics ( <i>Los Angeles, CA</i> )	Jan 2017
DPS 48 / EPSC 11 Conference ( <i>Pasadena, CA</i> )	Oct 2016
Exoplanets I ( <i>Davos, Switzerland</i> )	July 2016
UC Berkeley Undergrad. Astr. Research Showcase ( <i>Berkeley, CA</i> )	April 2016
2016 BPURS Poster Presentation ( <i>Berkeley, CA</i> )	March 2016
NASA GSFC Poster Session ( <i>Greenbelt, Maryland</i> )	July 2015

AWARDED TELESCOPE TIME	Keck Observatory (KPF) – 6 nights (PI), 3 nights (CoI)	IfA 2023A, Yale 2023B-
	Keck Observatory (HIRES) – 10 nights (PI), 8 nights (CoI)	Yale 2019B-2024A
	CTIO (Blanco/DECam) – 3 nights (CoI)	NOIRLab 2024A
	JWST (NIRCam) – 7.42 hours (CoI)	JWST Cycle 2
	Magellan Observatory (PFS) – 5 nights (PI)	MIT 2022B-2023B
	Palomar Observatory (WaSP) – 9 nights (PI)	Yale 2023B, 2024B
	Gemini Observatory (Subaru) – 1 night (CoI)	NOIRLab 2023B
	Perkins Telescope Observatory – 4 nights (CoI)	FCAD 2023B
	WIYN Observatory (NEID) - 2 nights (PI)	NNExplore 2023A
	Lick Observatory (Nickel) – 1 night (CoI) UCSC	2021A

OBSERVING EXPERIENCE	• Hale Telescope (5.1 m), WaSP - Palomar Observatory, California: 5 nights
	• Magellan II (6.5 m), PFS - Las Campanas Observatory, Chile: 8 nights
	• Keck I (10 m), HIRES - W.M. Keck Observatory, Hawaii: 53 nights
	• Nickel Telescope (1 m) - Lick Observatory, California: 1 night
	• Leuschner Telescope (30 inch) - Leuschner Observatory, California: 1 night

TEACHING APPOINTMENTS	ASTR 575/375, Yale University (Instructor of record)	Spring 2025
	⇒ <i>Exoplanets</i> ; graduate-level overview of the physics of planet formation and evolution.	
	ASTR 050, Yale University (Instructor of record)	Spring 2024
	⇒ <i>The Ethics of Space Exploration</i> ; newly designed freshman seminar examining the ethical implications of space exploration, aerospace endeavors, and astronomical research.	
	ASTR 255/PHYS 295, Yale University (Instructor of record)	Fall 2023, 2024
	⇒ <i>Research Methods in Astrophysics</i> ; designed for astronomy and astrophysics majors. Provides an overview of instrumentation, spectroscopy, photometry, radio astronomy, and relevant tools in Python.	
	Yale Young Global Scholars (Instructor of record)	Summer 2022, Summer 2021
	⇒ Program for high school students to explore university-level topics. Served as the instructor of record for custom-designed astrophysics seminars as part of the Innovations in Science & Technology track. Led discussions, simulations, and mentoring groups.	
	ASTR 105, Yale University (Graduate Teaching Fellow)	Spring 2018, Fall 2018
	⇒ Introductory order-of-magnitude class, led by Prof. Greg Laughlin.	
ASTR 130, Yale University (Graduate Teaching Fellow)	Fall 2017	
⇒ Introductory exoplanets/astrobiology class, led by Prof. Debra Fischer.		
ASTR 120, UC Berkeley (Undergraduate Student Instructor)	Fall 2016	
⇒ Upper-division optical and infrared astronomy laboratory, led by Dr. Gaspard Duchêne.		
ScoreBeyond Tutor	2016-2018	
⇒ SAT/ACT tutoring with <i>ScoreBeyond</i> ; developed lesson plans and guided students through problems and test-taking skills. 600+ tutoring hours completed.		
Academic Tutor - Independent	2011-2018	
⇒ Volunteer and paid positions tutoring students in a variety of topics.		

INVITED  
CLASSROOM/  
WORKSHOP  
LECTURES

Yale University ( <i>New Haven, CT</i> )	July 2024
<i>Workshop: Yale Young Global Scholars (high school level)</i>	
<i>Lecture: Frontiers in Exoplanetary System Studies</i>	
Yale University ( <i>New Haven, CT</i> )	July 2023, 2024
<i>Workshop: Yale Summer Program in Astrophysics (high school level)</i>	
<i>Lecture: Frontiers in Exoplanetary System Studies</i>	
Lake Como School of Advanced Studies ( <i>Como, Italy</i> )	June 2023
<i>Workshop: Brave New Worlds II - Understanding the Planets of Other Stars</i>	
<i>Lecture Series: Orbital Architectures of Planetary Systems</i>	
Williams College Winter Study ( <i>Williamstown, MA</i> )	Jan 2024, Jan 2023
<i>Course: Exoplanets and the Search for Life</i>	
<i>Lecture: Exoplanet Orbits: Implications for Habitability</i>	
Ohio State University ( <i>virtual</i> )	Sep 2022
<i>Course: Topics in Astrophysics (ASTRON 2895)</i>	
<i>Lecture: An Overview of the Planet Nine Hypothesis</i>	

SELECTED  
OUTREACH

Smithsonian Journeys Expert – Total Solar Eclipse Tour	April 2024
Accompanied the Astronomy & Nature in the Texas Hill Country Solar Eclipse Tour; delivered two 1-hour talks and participated on an eclipse panel as part of the Smithsonian Journeys program.	
Co-author, <i>Astronomy as a Field: A Guide for Aspiring Astrophysicists</i>	Dec 2023
Guide for women and girls interested in astronomy, developed as part of the SIRIUS B VERGE program to support aspiring astronomers from underrepresented backgrounds.	
Astro[sound]bites Podcast - Co-Founder/Co-Host	2019-2022
The official audio spinoff of the Astrobites blog. Graduate students discuss recently published astronomy research results and life in academia. Co-host on 56 episodes (Episodes 0 through 55).	
Astronomy on Tap New Haven - Head Coordinator	2018-2021
Primary organizer of the New Haven branch of Astronomy on Tap, an outreach program designed to engage the local community by conveying current astronomy research through informal talks.	
Yale Girls' Science Investigations - Regular Volunteer	2017-2021
Program designed to empower local middle schools girls to develop skills for success in STEM through hands-on science experiments. Events ~4x/year.	
Open Labs at Yale - Regular Volunteer	2017-2021
Outreach group that organizes “Science Cafés”, virtual <i>Exploring Science</i> evenings, and other educational events geared towards local middle school students.	
Leitner Family Observatory and Planetarium - Presenter	2017-2020
Regular presenter for weekly public planetarium shows at Yale’s campus planetarium, the LFOP.	

INVITED  
OUTREACH &  
SERVICE TALKS

SIRIUS B VERGE Exoplanets Guest Lecture (1 hr)	Jan 2024
Mexborough & Swinton Astronomical Society Lecture Series (1 hr)	Jan 2024
Pathways to Science New Student Orientation (5 min; 900+ audience)	Sep 2023
International School of Boston Guest Lecture (1 hr)	April 2023
The Garden: “The Bright Night Sky” series (50 min)	Oct 2022
Westchester Amateur Astronomers Lecture Series (1 hr)	Oct 2022
Yale/NASA Symposium: Astrobiology & Human Exploration (20 min)	April 2022
Yale Scientific Magazine Careers Talk (30 min)	April 2022
Bridgeport Public Schools Guest Lecture (1 hr)	March 2022
Ask-An-Astronomer: Planet Nine Edition (1 hr)	Dec 2021
Leitner Family Observatory & Planetarium Guest Lecture (1 hr)	May 2021
Indiana University Astronomy Club (1 hr)	Feb 2021

	Astronomy on Tap State College (30 min)	Jan 2021
	Royal High School Visiting Speaker (30 min)	Dec 2020
	Lakeside School Women in STEM Lecture Series (20 min)	Nov 2020
	Las Cruces Public Schools Scientist Highlight (1 hr)	Oct 2020
	Yale Exploring Science (30 min)	June 2020
	MathCounts Girls' Science Day (30 min; keynote speaker)	Dec 2018
	Yale Open Labs (30 min)	Nov 2018
	Astronomy on Tap New Haven (30 min)	Sep 2018
EDUCATION & OUTREACH CONFERENCE CONTRIBUTIONS	Workshop for Astronomy Beyond the Common Senses ( <i>online</i> )	Aug 2022
	Conference Proceedings: Astronomy for Accessibility and Inclusion. <i>Astro[sound]bites: An audio resource for informal education</i> (Saunders, W.R., Rice, M., & Gagliano, A.)	
	AAS General Meeting #237 ( <i>online</i> )	Jan 2021
	iPoster Plus (poster + oral presentation). <i>Astro[sound]bites: A new audio resource for conveying recent astronomy research</i>	
	DPS 52 Conference ( <i>online</i> )	Oct 2020
	Oral presentation. <i>Astro[sound]bites: A new audio resource for conveying recent astronomy research</i>	
EDUCATION & OUTREACH CERTIFICATIONS	• Kavli Foundation SciComm Essentials Certificate	2022
	• Yale Poorvu Center Public Communication Certificate	2021
	• Yale Certificate of College Teaching Preparation (CCTP)	2018
DEPARTMENT & UNIVERSITY LEADERSHIP	Yale Equity-Minded Teaching Seminar	2023-2024
	Competitively selected for participation in the inaugural Yale Equity-Minded Teaching Seminar for faculty members across the university, as the sole representative from the physical sciences.	
	Yale Astronomy Time Allocation Committee (TAC)	2023-2024
	Ranked proposals for observing time allocated by Yale (for the Palomar and Keck Observatories).	
	Co-Director of Graduate Admissions (DGA), Yale Astronomy	2023-2024
	MIT/Magellan Time Allocation Committee (TAC)	2022-2023
	Ranked proposals for observing time allocated by MIT for the Magellan telescopes at Las Campanas Observatory.	
	McDougal/Poorvu Graduate Teaching Fellow	2018-2022
	Developed and led 36 pedagogy workshops for Yale graduate students and postdocs. Read and discussed recent literature in pedagogical studies; provided constructive feedback for instructors.	
	Yale ACDC – Co-Founder/Board Member	2018-2022
Founded the Yale Astronomy Climate and Diversity Committee (ACDC) to support inclusivity and address structural climate-related concerns in the department. Co-lead of the Sub-Committee for Undergraduate-Based Affairs (SCUBA).		
Fall Teaching at Yale Day Coordinator	Fall 2021	
Primary organizer of the Fall 2021 Teaching at Yale Day for incoming Yale graduate instructors.		
Granville Academy Leadership Team	Summer 2021	
Co-organizer and co-lead of the week-long Granville Academy program of diversity and inclusion workshops designed for summer undergraduate research students in physics and astronomy.		
Yale Spring Teaching Forum Coordinator	Spring 2021	
Member of the core leadership team organizing the 2021 Yale Spring Teaching Forum, “Looking Back and Pushing Forward: Reflecting on Remote Learning at Yale”.		
Yale Exoplanets & Stars Seminar Coordinator	2020-2021	

McDougal/Poorvu Graduate Writing Fellow	2020-2021
For 1.5 years, served as a scientific writing consultant for graduate students and postdocs at the Yale Graduate Writing Lab. Ran oral and written communication workshops, led NSF GRFP peer review groups, and conducted one-on-one consulting sessions for abstracts, grant/fellowship proposals, and other academic writing.	
Yale Astro Sibbs Program – Co-Founder/Coordinator	2018-2021
Developed and led a mentorship program between graduate students/postdocs and undergraduates in the Yale Astronomy Department.	
Yale Poorvu Center Student Advisory Committee Member	2019-2020
UC Berkeley Undergrad. Astronomy Society – Founder/Head Coordinator	2015-2017
Founded and developed the undergraduate society for astrophysics majors at UC Berkeley. Provided professional development events and networking opportunities for all undergraduate astronomy majors. Programs included an annual UC Berkeley undergraduate astronomy research showcase, bi-weekly undergraduate socials, monthly departmental socials, graduate school/internship application workshops, and visiting scientist events.	
UC Berkeley Study Abroad Student Ambassador	2015-2017
Advocated study abroad programs with a focus on STEM majors and international collaboration.	
UC Berkeley Astronomy Mentoring Program – Undergraduate Coordinator	2016-2017
Developed and led a mentorship program between graduate students/postdocs and undergraduates in the UC Berkeley Astronomy Department.	
UC Berkeley AstroCDS – Undergraduate Coordinator	2016-2017
Revived and led the UC Berkeley Astronomy Career Development Seminar (AstroCDS) program, which organizes informal talks and dinners with Berkeley Astronomy PhDs in industry.	

PROFESSIONAL  
SERVICE:  
REVIEWS

Reviewer, NSF NOIRLab Time Allocation Committee (2 cycles)  
 Reviewer, NSF Astronomy and Astrophysics Research Grants (AAG)  
 Reviewer, Yale Undergraduate Admissions Committee  
 Exoplanets and Disks Discussion Panelist, JWST  
 Reviewer, Yale Center for Astronomy & Astrophysics Postdoctoral Fellowship  
 Reviewer, Yale Marshall/Mitchell/Rhodes Scholarship Committee  
 Reviewer, NASA Postdoctoral Program  
 Panel Chair, NASA FINESST Program (Planetary Science Division)  
 Reviewer, NASA FINESST Program (Astrophysics Division)  
 Reviewer, NSF A&A Postdoctoral Fellowship (AAPF) Program  
 Reviewer, NASA Astrophysics: Pioneers Program  
 Reviewer, Yale Undergraduate Research Journal (YURJ)  
 Reviewer, Nat. Fund for Sci. and Tech. Dev., Chile (FONDECYT)  
 Judge, AAS Chambliss Poster Competition  
 Executive Secretary, NASA Exoplanets Research Program (XRP)

PROFESSIONAL  
SERVICE:  
JOURNALS

Review Editor, <i>Frontiers in Astronomy and Space Sciences - Exoplanets</i>	2024-
Guest Editor, <i>Nature Scientific Reports</i> Collection on Exoplanets	2022-
Editorial Board Member, <i>Nature Scientific Reports</i>	2022-
Reviewer for PNAS, PASP, Nat. Astron., PSJ, ApJS, A&A, MNRAS, P&SS	2021-

CONFERENCE  
LEADERSHIP

TESS Science Conference III – Scientific Organizing Committee	2024
Building the AstroCodEx – Hack Day Conference Co-Organizer	2024
New meeting to build effective activities to teach astronomy research methods in the classroom.	
New York Area Exoplanets Meeting (NYAEM) – Scientific Organizing Committee	2024
Co-developed meeting concept; first iteration planned for May 2024	

DDA Special Session – Co-organizer (joint with Songhu Wang) 2024  
 Session title: *On the Formation and Dynamical Evolution of Hot Jupiters*

INVITED PANELS Yale McDougal Graduate Teaching Fellows Tenure-Track Career Panel April 2024  
 Women’s Forum USA: Women’s Ladder to Success in STEM March 2023  
 NSF A&A Postdoctoral Fellows Symposium: Mentoring Students Panel Jan 2023  
 P.E.O. Panel Discussion: Today’s Women, Today’s Challenges April 2022  
 Yale 3-Minute Thesis Competition: How to Present Engagingly Jan 2022  
 Yale Young Global Scholars: Womxn in STEM July 2021  
 Yale Astronomy Summer Undergraduate Program: Graduate School Panel July 2020  
 Wellesley College: Graduate School Panel May 2020  
 Yale Graduate Writing Lab: Writing a Prospectus in the Sciences Feb 2020  
 Yale SACNAS/STARS II: Applying to Graduate School Oct 2019

PROFESSIONAL SOCIETIES American Astronomical Society (AAS; divisions DPS and DDA) 2016-  
 Yale Women in Physics (WiP) 2019-2022  
 American Physical Society (APS) 2016-2017  
 UC Berkeley Society of Women in the Physical Sciences (SWPS) 2014-2017  
 UC Berkeley Society of Physics Students (SPS) 2014-2017  
 UC Berkeley Regents’ and Chancellor’s Scholars Association (RCSA) 2013-2017

SELECTED MEDIA *Nature Masterclasses Writing a Research Paper: 2nd Edition (2024)*: Partic-  
 COVERAGE ipated as a featured expert offering insights throughout a five-module online course.

**TESS Shift-Stacking Survey** (Rice & Laughlin 2020) featured in Scientific American, National Geographic, Space.com, EarthSky, Inverse, Scientias.nl, Yale News, DPS 2020 press conference.

**Interstellar Object Origins** (Rice & Laughlin 2019b) featured in New York Times, Washington Post, Discover Magazine, PBS Nova, Nature, CNN, Scientific American, Yale News.