MELINDA SOARES-FURTADO, PH.D.

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Professional Appointments

Assistant Professor of Astronomy & Physics, University of Wisconsin–Madison	2024–present
NASA Hubble Postdoctoral Fellow, University of Wisconsin–Madison	2021–2024
Postdoctoral Fellow, University of Wisconsin–Madison	2020–2021
Advanced Placement Math & Physics Instructor, Mount Madonna School	2012–2013

Education

Princeton University	Astrophysical Science	Ph.D., 2020
Princeton University	Astrophysical Science	M.S., 2016
University of California, Santa Cruz	Physics	B.S., 2014

Publications and Manuscripts — 57 Total

47 published or accepted; 10 submitted. Mentored students are underlined.

Submitted Manuscripts

57. Kenoly, L., Connor, I., **Soares-Furtado, M.**, et al. *r-Process Abundance Variations in Globular Clusters as Fossils of Turbulent Mixing*, submitted to ApJL. [2611.14472]
56. Kotten, B. et al. (including **Soares-Furtado, M.**) *Storms are Brewing in Orion IX*, submitted to ApJL.
55. **Soares-Furtado, M.** *Stellar Lithium Excess Correlates with Planetary Orbital Eccentricity*, submitted to ApJ.
54. Salinas, H. et al. (including **Soares-Furtado, M.**) *Single-Transit Parameter Estimation with Calibrated Uncertainties*, submitted to MNRAS. [2610.24882]
53. McCarthy, A. et al. (including **Soares-Furtado, M.**) *Storms are Brewing in Orion VIII: A First Look at Variability Results from a Sample of Young Substellar Worlds*, submitted to ApJL.
52. Zwicker, C., **Soares-Furtado, M.**, et al. *Stellar Rotation and Microturbulence as Key Predictors of Lithium in a Young Stellar Population: Multiple Linear Regression Analysis in Upper Scorpius*, submitted to ApJ.
51. Alvin, A., **Soares-Furtado, M.**, et al. *Young Hot Jupiter KELT-20 b Did Not Attain its Orbit Solely via Tidal Migration*, submitted to ApJ.
50. Sullivan, K., **Soares-Furtado, M.** et al. *Evidence for Separation-Dependent X-ray Emission for Young Binary Stars in the Upper Scorpius Star-Forming Region*, submitted to AJ.
49. Triantafillides, A. et al. (including **Soares-Furtado, M.**) *The Identification of CS2 and Evidence for Carbon-Sulfur Chemical Coupling in a Warm Giant Exoplanet Atmosphere*, submitted to Nature Astronomy. [2604.13168]
48. Kroft, M. et al. (including **Soares-Furtado, M.**) *GJ 523b is a Massive, 170 Myr-old Mega-Earth, Likely on a Polar Orbit*, submitted to AJ. [2603.24682]

Refereed Publications (Published or Accepted)

47. Ju, M., **Soares-Furtado, M.**, et al. *Storms are Brewing in Orion VII: The First Near-Infrared Catalog of Flaring Substellar Objects in the Orion Nebula Cluster*, accepted by ApJL (2026).
46. Garza, M. et al. (including **Soares-Furtado, M.**) *Storms are Brewing in Orion VI: Substellar Dipper Candidates in the Orion Nebula Cluster*, accepted by ApJL (2026).
45. Vanderburg, A. et al. (including **Soares-Furtado, M.**) *Storms are Brewing in Orion III*, accepted by ApJL (2026).
44. Ashtari, R. et al. (including **Soares-Furtado, M.**) *Storms are Brewing in Orion II*, accepted by ApJL (2026).
43. Limbach, M. et al. (including **Soares-Furtado, M.**) *Storms are Brewing in Orion I*, accepted by ApJL (2026).
42. Gaibor, Y. S. et al. (including **Soares-Furtado, M.**) *Planets surviving common envelope evolution should be rare, massive, and orbit very close to their host star*, accepted by AJ (2026). [2610.27055]
41. Livesey, J. et al. (including **Soares-Furtado, M.**) *Discovery and Characterization of the TOI-4468 Planetary System: A Transiting Hot Jupiter With a Lone Nearby Outer Companion*, in press with AJ. [2608.25208]
40. Dethe, A. & **Soares-Furtado, M.** *GyroNet: Well-calibrated Rotation-based Stellar Ages from a Machine Learning and Bayesian Framework with Gaia DR3 Features*, 2026, ApJS, 286, 39. [DOI]
39. Jenkins, S. et al. (including **Soares-Furtado, M.**) *Atmospheric Signatures of Common Envelope Evolution in White Dwarf Planets*, 2026, ApJ, 1006, 2. [2607.28717]
38. **Soares-Furtado, M.** et al. *Kepler Image-Subtracted Light Curves and Variable Star Catalog of NGC 6819*, 2026, AJ, 172, 3. [2606.24114]

37. Narayan, R., **Soares-Furtado, M.** & Townsend, R. *The Tale of a Hungry Subgiant and its Brown Dwarf: Interior Radiative Damping Dominates the Tidal Evolution of TOI-5882*, 2026, ApJL, 1005, 2. [2605.04141]

36. Kotten, B., **Soares-Furtado, M.** et al. *Lithium Enrichment in a Subgiant Star with a Brown Dwarf Companion: A Planetary Engulfment Candidate*, 2026, ApJ, 1004, 1. [2605.21407]

35. Lane, K., Stephan, A., **Soares-Furtado, M.** et al. *Observable Metal Pollution in Main-Sequence Stars: Simulations of Rocky Planets Engulfed by Stars in the 0.5 to 2.0 $M_\odot$ Range*, 2026, ApJ, 1003, 1. [2601.00949]

34. Narayan, R., **Soares-Furtado, M.** et al. *Twinkle Twinkle Little Star, Roman Sees Where You Are: Predicting Exoplanet Transit Yields in the Rosette Nebula with the Nancy Grace Roman Space Telescope*, 2026, AJ, 171, 5. [2510.23708]

33. Distler, A., **Soares-Furtado, M.** et al. *TESS Hunt for Young and Maturing Exoplanets (THYME) XIV: A Comoving-Based Age Constraint for KELT-20*, 2026, AJ, 171, 4. [2603.01313]

32. Sheffler, J., Clark, M., **Soares-Furtado, M.** et al. *A Multi-Method Age Determination for the Ursa Major Moving Group*, 2026, AJ, 171, 3. [2601.08985]

31. Rosselli-Calderon, A. et al. (including **Soares-Furtado, M.**) *Chemical Enrichment of Metal-Poor Stars Orbiting Massive Black Hole Companions*, 2026, ApJ, 997, 1. [2508.14163]

30. O'Shea, T., Heinz, S., **Soares-Furtado, M.** et al. *Shooting for the Stars: Jet-mode feedback and AGN Jet Deceleration from Stellar Mass-loading*, 2025, ApJ, 995, 1. [2510.26881]

29. Aloisi, R., Vanderburg, A., **Soares-Furtado, M.** et al. *Searching for Exoplanets Born Outside the Milky Way: VOYAGERS Survey Design*, 2025, PASP, 137, 11. [2511.07632]

28. Aldarondo Quiñones, N. et al. (including **Soares-Furtado, M.**) *Reassessing the Relationship Between Stellar X-ray Luminosity and Age with eROSITA Data Release 1*, 2025, PASP, 137, 11. [2511.07630]

27. Schulte, J. et al. (including **Soares-Furtado, M.** and Kotten, B.) *Migration and Evolution of giant ExoPlanets (MEEP) II: Super-Jupiters and Lithium-rich Host Stars*, 2025, MNRAS, 543, 1. [2509.02666]

26. Vowell, N. et al. (including **Soares-Furtado, M.** and Kotten, B.) *11 New Transiting Brown Dwarfs and Very Low Mass Stars from TESS*, 2025, AJ, 170, 2. [2501.09795]

25. Jankowski, A., Becker, J., **Soares-Furtado, M.** et al. *The Ambiguous Age and Tidal History for the Ultra-Hot Jupiter TOI-1937Ab*, 2025, PASP, 137, 3. [2503.15802]

24. Distler, A., **Soares-Furtado, M.** et al. *TESS Hunt for Young and Maturing Exoplanets (THYME) XII: A Young Mini-Neptune on the Upper Edge of the Radius Valley in the Hyades Cluster*, 2025, AJ, 169, 3. [2410.11990]

23. Limbach, M. et al. (including **Soares-Furtado, M.**) *The MIRI Exoplanets Orbiting White Dwarfs (MEOW) Survey: Mid-Infrared Excess Reveals a Giant Planet Candidate around a Nearby White Dwarf*, 2024, ApJL, 973, 1. [2408.16813]

22. Hinkel, N., Youngblood, A., **Soares-Furtado, M.** *Host Stars and How Their Compositions Influence Exoplanets*, 2024, RMG, 90, 1. [2404.15422]

21. Schulte, J. et al. (including **Soares-Furtado, M.**) *Migration and Evolution of Giant Exoplanets (MEEP) I: Nine Newly Confirmed Hot Jupiters from the TESS Mission*, 2024, AJ, 168, 1. [2401.05923]

20. Ong, J., Hon, M., **Soares-Furtado, M.** et al. *Gasing Pangkah I: Asteroseismology and Preliminary Characterisation of a Rapidly-Rotating Red Giant in the TESS SCVZ*, 2024, ApJ, 966, 1. [2402.16971]

19. Soares-Furtado, M., Capistrant, B. et al. *TESS Hunt for Young and Maturing Exoplanets (THYME) XI: An Earth-sized Planet Orbiting a Nearby, Solar-like Host in the 400 Myr Ursa Major Moving Group*, 2024, AJ, 167, 2. [2401.04785]

18. Howell, S., Howell, A., Street, R., **Soares-Furtado, M.** et al. *The Dynamic Universe: Realizing the Potential of Classical Time Domain and Multimessenger Astrophysics*, 2024, Front. Astron. Space Sci., 11. [2024.1304616]

17. Yarza, R. et al. (including **Soares-Furtado, M.**) *Hydrodynamics and Survivability During Post-Main-Sequence Planetary Engulfment*, 2023, ApJ, 954, 2. [2203.11227]

16. Kolborg, A. et al. (including **Soares-Furtado, M.**) *Constraints on the Frequency and Mass Content of R-Process Events Derived from Turbulent Mixing in Galactic Disks*, 2023, ApJ, 949, 100. [2304.01144]

15. Limbach, M., **Soares-Furtado, M.** et al. *The TEMPO Survey I: Predicting Yields of Transiting Moons, Planets, and Satellites from a 30-day Survey of Orion with the Roman Space Telescope*, 2023, PASP, 135, 1043. [2209.12916]

14. Limbach, M. et al. (including **Soares-Furtado, M.**) *A New Method for Finding Nearby White Dwarf Exoplanets and Detecting Biosignatures*, 2022, MNRAS, 517, 2. [2209.12914]

13. Capistrant, B., **Soares-Furtado, M.** et al. *A Population of Dipper Stars from the Transiting Exoplanet Survey Satellite Mission*, 2022, ApJS, 263, 1. [2209.03379]

12. Tayar, J., Moyano, F., **Soares-Furtado, M.** et al. *Spinning up the Surface: Evidence for Planetary Engulfment or Unexpected Angular Momentum Transport*, 2022, ApJ, 940, 1. [2208.01678]

11. Vigna-Gómez, A. et al. (including **Soares-Furtado, M.**) *Mergers Prompted by Dynamical Resonances in Compact, Multiple-Star Systems*, 2022, MNRAS Lett., 515, 1. [2204.10600]

10. Kolborg, A. et al. (including **Soares-Furtado, M.**) *Supernova-Driven Turbulent Metal Mixing in High Redshift Galactic*

Disks: Metallicity Fluctuations in the Interstellar Medium and its Imprints on Metal Poor Stars in the Milky Way, 2022, ApJL, 936, 2. [2111.02619]

9. Grunblatt, S. et al. (including **Soares-Furtado, M.**) *Planets Orbiting Evolved TESS Stars (POETS) II: The Hottest Jupiters Orbiting Evolved Stars*, 2022, AJ, 163, 3. [2201.04140]

8. Soares-Furtado, M. et al. *Lithium Enrichment Signatures of Planetary Engulfment Events in Evolved Stars*, 2021, AJ, 162, 6. [2002.05275]

7. Soares-Furtado, M. et al. *A Catalog of Periodic Variables in Open Clusters M35 and NGC 2158*, 2020, ApJS, 246, 1. [1911.00832]

6. Naiman, J., **Soares-Furtado, M.**, Ramirez-Ruiz, E. *Modeling Gas Evacuation Mechanisms in Present-Day Globular Clusters: Stellar Winds from Evolved Stars & Pulsar Heating*, 2019, MNRAS, 491, 4. [1310.8301]

5. Rappaport, S. et al. (including **Soares-Furtado, M.**) *Deep Long Asymmetric Occultation in EPIC 204376071*, 2019, MNRAS, 485, 2. [1902.08152]

4. MacLeod, M., Cantiello, M., **Soares-Furtado, M.** *Planetary Engulfment in the Hertzsprung-Russell Diagram*, 2018, ApJL, 853, 1. [1801.04274]

3. Zhu, W., Huang, C. X., Udalski, A., **Soares-Furtado, M.** et al. *Extracting Microlensing Signals from K2 Campaign 9*, 2017, PASP, 129, 980. [1704.08692]

2. Soares-Furtado, M. et al. *Image Subtraction Reduction of Open Clusters M35 & NGC 2158 in the K2 Campaign 0 Super Stamps*, 2017, PASP, 129, 974. [1703.00030]

1. Aliu, E. et al. (including **Soares-Furtado, M.**) *Long Term Observations of B2 1215+30 with VERITAS*, 2013, ApJ, 779, 2. [1310.6498]

Other Publications — *Mentored students are underlined*

4. Rogers, L. et al. (including **Soares-Furtado, M.**) *From Hubble to HWO: Bridging the Frontier of White Dwarf Exoplanet Science*, 2026. [2605.26142]

3. Soares-Furtado, M. et al. *The TEMPO Survey II: Science Cases Leveraged from a Proposed 30-Day Time Domain Survey of the Orion Nebula with the Nancy Grace Roman Space Telescope*, 2024. [2406.01492]

2. Clark, M., Sullivan, K., **Soares-Furtado, M.** *Moderate-Separation Binary Companions May Influence Young Stellar X-ray Luminosity*, 2024, RNAAS, 8, 318. [DOI]

1. Soares-Furtado, M., Kubiak, S. *Aging Ungracefully*, 2023, Sky & Telescope, 145, 1, p.14. [link]

Selected Fellowships, Grants, & Awards

Heising-Simons Mentorship Network, Co-PI, $276,800 allocation ($2,350,000 total award)	2026
TESS Guest Investigator Program (2 awards), PI, $180,000	2026
NASA Topical Workshops, Symposia, and Conferences Award, PI, $39,999	2025
NRAO Equitable Pathways Program, Co-PI, $388,823	2025–2026
JWST Cycle 4 Program, Co-I, $40,000 allocation	2025
Postdoctoral Excellence in Mentoring Award, University of Wisconsin–Madison	2023
NASA Topical Workshops, Symposia, and Conferences Award, Science PI, $69,550	2023
NASA Hubble Fellowship, $364,527	2021–2024
NASA Postdoctoral Program Fellowship (*declined*), $237,162	2020
First Place Poster, Kepler & K2 Science Conference V	2019
TESS Cycle 1 Guest Investigator Program, Co-I	2018
Permanent Exhibit Selection, Art of Science, Princeton University	2017
National Science Foundation Graduate Research Fellowship, $102,000	2015–2018
Kenneth & Ann Thimann Scholarship, UCSC	2014
SLUG Fellowship, UCSC	2013
Lamat Fellowship, UCSC	2013
First Place Oral Presentation, AAAS National ERN Conference	2012
Steven Chu Award for Undergraduate Research, APS Annual Conference	2011
Ron Ruby Memorial Scholarship for Teaching Excellence, UCSC	2010
Regents Scholarship, UCSC	2008–2010

Awarded Telescope Time:

WIYN/NEID (2025A, 2025B, 2026A, 2026B, 2027A)	2025–2027
SALT (2024A, 2024B, 2025B, 2026A, 2026B)	2024–2026
TESS DDT, PI (2×)	2021

Research Leadership & Mentoring Programs

Peter Livingston Scholars Program, Program Lead. Shaped program strategy, managed operations, and secured funding for paid undergraduate astrophysics research. Secured 19 years of funding in total (two initial years plus 17 additional years) to support approximately 10 students annually; 18 students served to date. Alumni accomplishments include publications, NSF GRFP and Hertz fellowships, and admission to leading research universities.

Open-source research software mentorship. Mentored Amit Dethe through a Spring 2026 OSPO internship developing GyroNet, a pip-installable stellar-age framework combining stellar rotation and Gaia features with machine learning and Bayesian inference. Accompanying first-author student paper accepted by *ApJS*.

Selected Scientific Presentations

Invited Colloquia:

Yale University	2026
Pontificia Universidad Católica de Chile	2026
New Mexico State University	2026
University of Texas at El Paso	2026
University of Wisconsin–La Crosse	2025
University of Virginia	2024
Minnesota Institute for Astrophysics	2024
University of Colorado, Boulder	2023
University of Nevada, Las Vegas	2023
University of Illinois Urbana–Champaign (2x)	2022 & 2023
Harvard Institute for Theory & Computation	2023
University of Wisconsin–Madison, Department of Physics	2022
MIT Kavli Institute for Astrophysics & Space Research	2022
University of California, Los Angeles	2022
NASA Goddard Space Flight Center	2021
Astrophysics Research Centre, Queen's University Belfast	2021
Kavli Institute for Theoretical Physics, UC Santa Barbara	2021
University of Wisconsin–Madison, Department of Astronomy (2x)	2019 & 2020
Pomona College	2019
University of the Virgin Islands	2019

Recent Invited Seminars:

Roman Science Collaboration Exoplanet & Solar System Working Group	2025
Princeton University Extrasolar Planet Discussion Group	2025
CIERA, Northwestern University Observational Astronomy Meetings (2x)	2021 & 2024
NASA Hubble Fellowship Program Symposium (3x)	2021, 2022, & 2023
MIT Planetary Lunch Colloquium Series	2022
Penn State Center for Exoplanets & Habitable Worlds	2022
Harvard University Exoplanet Lunch Series (3x)	2016, 2019, & 2022
Probes of Transport in Stars, Kavli Institute for Theoretical Physics	2021
Michigan State University	2021
Carnegie Earth & Planets Laboratory	2021
Division on Dynamical Astronomy of the AAS	2021
UCLA–UCSC Joint Astrophysics Seminar Series	2021
American Museum of Natural History	2020
Carnegie Department of Terrestrial Magnetism	2019
Harvard University Stars & Planets Seminar Series	2019
Princeton University Envision Conference, Ethics & Space Policy	2019
Harvard University Institute for Theory & Computation	2017

Recent Invited Conference Presentations & Panels:

Plenary Speaker, Planets in the Galactic Context, Flatiron Center for Computational Astrophysics	2026
Annual Meeting of the Prairie Section of the American Physical Society	2026
Sagan Summer Workshop: *Exoplanets with Roman Surveys*	2026
American Physical Society's April Meeting: *Quarks to Cosmos*	2024

33rd Annual Wisconsin Space Conference 2023
NASA's Kepler & K2 SciCon V 2019

Teaching Experience

Instructor, *Stellar Astrophysics* (ASTRON 310), UW–Madison 2026
Instructor, *Our Exploration of the Solar System* (AST 104), UW–Madison 2024, 2025
Guest Instructor, *The Physical Universe* (AST 200), UW–Madison 2024
Guest Instructor, *Stellar Interiors and Evolution* (AST 715), UW–Madison 2023
Summer Instructor, Lamat REU Program (NSF #1852393) 2021–2023
Guest Instructor, *Stellar Structure & Evolution* (AST 123), Pomona College 2019
Assistant Instructor, *The Universe* (AST 205), Princeton University 2015
Head Instructor, *AP Physics, AP Calculus, & Python Programming*, Mount Madonna School 2012–2013
Physics Section Leader & Lecturer, UC Santa Cruz Academic Excellence Program 2009–2011

Advising Experience — * co-advised; [P] published or accepted together

Postdoctoral Scholars:

Robert Aloisi[P] (UW–Madison) 2026–present

Graduate Students:

Erin Motherway* (UW–Madison; NSF GRFP Fellow) 2026–present
Maggie Ju[P] (UW–Madison) 2025–present
Claire Zwicker[P] (UW–Madison) 2024–present
Julia K. Sheffler[P] (UW–Madison; GAANN Fellow) 2023–present
Amit Dethe[P] (UW–Madison CS master's; OSPO intern; graduated 2026) Spring 2026
Robert Aloisi*[P] (UW–Madison; PhD 2026) 2024–2026
Ricardo Yarza*[P] (UC Santa Cruz; FINESST Fellow) 2021–2025
Andrew Nine*[P] (UW–Madison) 2022–2023
Anne Noer Kolborg*[P] (UC Santa Cruz) 2021–2023
Rachel McClure*[P] (UW–Madison; NSF GRFP Fellow) 2020–2022

Undergraduate & Postbaccalaureate Students:

Norah Farley (OSPO undergraduate intern) 2026–present
Jasmine François (Florida State University) 2026–present
Ayaan Gupta (UW–Madison; transferred to Vanderbilt University) 2026–present
Dhiv Iyer (UW–Madison) 2026–present
Maille Miller (UW–Madison) 2026–present
Ashley Liu (UW–Madison; Peter Livingston Scholar) 2025–present
Amaya Pereira (UW–Madison) 2025–present
Mihir Manna (UW–Madison) 2026
Annelise Alvin*[P] (UW–Madison) 2025–2026
Jenna Karcheski[P] (UW–Madison; NSF GRFP Fellow) 2025–2026
Ritvik Sai Narayan[P] (UW–Madison; Peter Livingston Scholar) 2024–2026
Brooke Kotten[P] (UW–Madison; now NSF Graduate Research Fellow) 2023–2026
Nadja Aldarondo Quiñones*[P] (U. Puerto Rico; NSF GRFP Fellow) 2024–2025
Max Clark[P] (UW–Madison) 2023–2025
Adam Distler[P] (UW–Madison; Peter Livingston Scholar; NSF GRFP Fellow; Hertz Fellow) 2023–2025
Nicholas Marston[P] (UW–Madison) 2023–2025
Alyssa Jankowski[P] (UW–Madison) 2022–2024
Sara Kubiak[P] (UW–Madison) Summer 2022
Lily Robinthal* (UW–Madison; NSF GRFP Fellow) Summer 2022
Benjamin Capistrant[P] (UW–Madison) 2021–2022
Rianna Kuenzi[P] (UW–Madison) 2021–2022
Tyler Barna[P] (Rutgers) 2018–2019

Observational Experience

Australian National University 2.3-m telescope at Siding Spring Observatory
Magellan Telescopes (Walter Baade 6.5-m) at Las Campanas Observatory
Southern African Large Telescope at the South African Astronomical Observatory
VERITAS (Very Energetic Radiation Imaging Telescope Array System) at Whipple Observatory
WIYN 3.5-m telescope at Kitt Peak National Observatory

Selected Professional Service Experience

Conference & Workshop Organization:

Science Organizing Committee, Planets in the Galactic Context Workshop, Flatiron CCA	2026
Co-organizer, Exoplanets 6, Porto, Portugal	2025–present
Co-organizer, IAU Symposium 408: Unraveling the Joint Lives of Stars and Exoplanets	2025–present
Science Organizing Committee, Great Lakes Exoplanet Area Meeting	2025
Session Chair, Extreme Solar Systems V	2024
Lead Organizer, Aspen Center for Physics Winter Conference [website]	2022–2023
Co-organizer, TESS (TSC2) Splinter Session	2021

Panel & Board Service:

Member, NASA Hubble Fellowship Program Review Committee	2026
Member, NASA/IPAC Infrared Science Archive User Panel	2025–present
Member, AURA Future Leaders Program	2024
Member, Advisory Board, LAMAT Institute	2021–present
Member, TESS Follow-Up Working Group	2021–present
Member, LAMAT REU Admissions Committee	2021–2022

Review & Other:

External Ph.D. Thesis Examiner, University of Tasmania	2026
Reviewer, National Science Foundation Panel	2024
Reviewer, NASA Panels (3×)	2023–2024
Referee: *AJ*, *ApJ*, *MNRAS*, *Nature*, *Nature Astronomy*, *Nature Communications*	2021–present
Media Fellow, University of Wisconsin–Madison	2024

Selected Departmental/University Service Experience

Graduate Admissions Chair, Department of Astronomy, UW–Madison	2025–present
L&S Community of Graduate Research Scholars (CGRS) Advisory Committee	2025–2026
UW–Madison Colloquium Organizer	2024–2025
UW–Madison Southern African Large Telescope Allocation Committee	2023–present
UW–Madison Board of Visitors, Presenter	2022, 2024, & 2026
UW–Madison Graduate Admissions Committee	2021–2024
UW–Madison Graduate Application Advice Panel	2021–2024
UW–Madison Sherry Hour, Co-Organizer	2021–2024
UW–Madison Monday Science Seminar, Co-Organizer and Coordinating Support & Backup Host	2020–2023, 2026
SACNAS & NSBP Conferences, Graduate Applicant Recruiter	2020–2021

Selected Outreach Service Experience

Invited Service

Invited Speaker, *Secrets of the Universe*, Women's Leadership Center, Williams Bay	2026
Panelist, UW–Madison L&S Graduate Research Scholars	2024–2025
Speaker, UW Space Place (3x)	2023–2025
Speaker, Lamat REU Mentor Speaker Series	2020–2024
Presenter, *Learn With An Expert*, Milwaukee Public Museum	2023
Presenter, *Science on Tap*, Milwaukee Public Museum	2023
Instructor, Lamat REU Professional Development Workshops	2021–2023

Presenter, *Astronomy on Tap*, UNLV, UPenn, Princeton, UW–Madison (4x)	2018–2023
Speaker, Society of Physics Students, UNLV, UCSC (2x)	2015–2023
Speaker, Madison Astronomical Society	2022
Panelist for the Committee on the Status of Women in Astronomy	2021
Speaker, European Astronomical Society Annual Meeting	2021
Speaker, NSF NoirLab DEI Seminar	2021
Speaker, AeroSTEM Academy	2021
Speaker, The National Society of Black Physicists, University of the Virgin Islands	2019
Keynote Speaker & Co-organizer, National Chemistry Week, *"Life Beyond Earth"* (932 attendees)	2018

Contributed Service

SETI Institute NASA Community College Network, Committee Member	2022–present
Astronomy & Physics Graduate School Applicant Discord Server, Founder & Moderator	2021–present
Mastering the Graduate School Application Process, Organizer & Mentor	2018–present
The Astrono-Mom Conversation Series, Founder & Organizer	2020–2025
Solar System Annual Science Workshop, Lincoln Elementary School, Organizer & Speaker	2022
NASA Hubble Fellowship Program Symposium, Committee Member	2021
NASA Hubble Fellowship Program Application Workshop, Panelist	2021
Astronomy on Tap Trenton Chapter, Co-Founder & Co-Organizer	2019–2020
Young Women's Conference in STEM, Princeton University, Co-Organizer	2017

Selected Media & Press

The New York Times, *This Star Just Ate a Planet, and It's Not Done Yet*, B. Ferreira, 2026.
Universe Today, *Astronomers Find Stellar Evidence of an Engulfed Planet*, C. Collins Petersen, 2026.
University of Michigan News, *You Just Ate that Planet, Didn't You?*, M. Davenport, 2026.
AAS Nova, *Now That's Metal: How to Spot Stars That Have Swallowed Their Planets*, K. Hensley, 2026.
Defector, *Team Fiery Sun Death Or Team Lifeless Husk*, B. Ferreira, 2025.
On Wisconsin, *How to Study a Star*, M. Provost, 2024.
BBC, *The Mysterious Pairs of Planets We Still Can't Explain*, J. O'Callaghan, 2024.
Scientific American, *Don't Panic, But A Lot of Stars Seem to Eat Their Own Planets*, R. G. Andrews, 2024.
New Scientist, *Where are all the exomoons?*, J. O'Callaghan, 2024.
Astronomy Magazine, *Nearest young Earth-sized Planet Could Shed Light on How Terrestrial Worlds Evolve*, S. Kuthunur, 2024.
Inside UW, *Earth-sized planet discovered in 'our solar backyard'*, C. Barncard, 2024.
The Independent, *Scientists find Earth-sized planet shockingly nearby*, A. Griffin, 2024.
Ars Technica, *Astronomers found ultra-hot, Earth-sized exoplanet with a lava hemisphere*, J. Ouellette, 2024.
The Atlantic, *A Different Vision for Earth's Demise*, J. O'Callaghan, 2024.
Planetarium Film, *Lights Out! Eclipses: Whys, Wonders, & Wows*, Directed by B. Bonadurer, 2023.
Quanta Magazine, *New Clues for What Will Happen When the Sun Eats the Earth*, J. O'Callaghan, 2023.
Badger Talks, *Devoured Worlds: Lessons From Planet-Ingesting Stars*, 2023.
AAS YouTube Series, *Lithium Enrichment Signatures of Planetary Engulfment Events in Evolved Stars*, 2022.
The New York Times, *The Juicy Secrets of Stars That Eat Their Planets*, B. Ferreira, 2022.
Scientific American, *Women Are Creating a New Culture for Astronomy*, A. Finkbeiner, 2022.
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