

Erik J. Wasleske, Ph.D.

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| Contact Information | Department of Astronomy University of Illinois 125 Astronomy Building 1002 W Green St Urbana, IL 61801 | wasleske@illinois.edu orcid.org/0000-0003-3986-9427 |
| | | <i>Last Updated:</i> December 15, 2025 |

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| Research Interests | Active galactic nuclei, dwarf galaxies, galaxy evolution, time-domain astronomy | |
| Education | PhD in Physics Department of Physics and Astronomy, Washington State University Thesis: <i>Construction and Analysis of an Active Dwarf Galaxies Database</i> Advisor: Vivienne Baldassare | April 2025 |
| | MS in Physics Department of Physics and Astronomy, Washington State University Advisor: Vivienne Baldassare | Dec. 2021 |
| | BS in Physics - Professional Studies School of Physics and Astronomy, University of Minnesota Minor in Mathematics | May 2019 |
| | BS in Astrophysics School of Physics and Astronomy, University of Minnesota Thesis: <i>Lensed Supernova Polarimetry</i> Advisor: Patrick Kelly | May 2019 |
| Professional Experience | Department of Astronomy, University of Illinois Postdoctoral Research Associate Supervisor: Xin Liu | 2025–present |
| | Department of Physics and Astronomy, Washington State University Graduate Research Assistant Supervisor: Vivienne Baldassare | 2021–2025 |
| | Minnesota Institute for Astrophysics, University of Minnesota Undergraduate Teaching Assistant | 2018–2019 |
| Awards | NASA Space Grant Fellowship in Physics, Washington State University, \$2,500 | 2023 |
| | NASA Space Grant Fellowship in Physics, Washington State University, \$2,500 | 2022 |
| | Ralph F. Simmons, Jr. Graduate Fellowship in Physics, Washington State University, \$1,500 | 2020 |
| First-Author Publications | 4. Wasleske, Erik J. , Baldassare, Vivienne F., Carroll, Christopher M. 2025, ApJ, 995, 160. “Active Dwarf Galaxy Database II: Investigating the | |

- Connection between Host Galaxy Parameters and Black Hole Accretion Signatures”.
3. **Wasleske, Erik J.** and Baldassare, Vivienne F. 2024, ApJ, 971, 68. “Active Dwarf Galaxy Database I: Overlap between active galactic nuclei selected by different techniques”.
 2. **Wasleske, Erik J.** and Baldassare, Vivienne F. 2023, AJ, 166, 64. “X-ray Emissions of Ultraviolet Variable Active Galactic Nucleus Candidates”.
 1. **Wasleske, Erik J.**, Baldassare, Vivienne F., Carroll, Christopher M. 2022, ApJ, 933, 37. “Variable Active Galactic Nuclei in the Galaxy Evolution Explorer Time Domain Survey”.

Co-Author Publications

3. Danieli, Shany et al. *including Wasleske, Erik J.* 2025, ApJ, 993, 110. “First Data Release of the Merian Survey: A Wide-Field Imaging Survey of Dwarf Galaxies at $z \sim 0.06 - 0.1$ ”.
2. Luo, Yei, et al. *including Wasleske, Erik J.* 2024, MNRAS 530, 4. “The Merian Survey: Design, Construction, and Characterization of a Filter Set Optimized to Find Dwarf Galaxies and Measure their Dark Matter Halo Properties with Weak Lensing”.
1. Kehoe, Emily, Baldassare, Vivienne F., Geha, Marla, **Wasleske, Erik J.**, Reines, Amy E., Hainline, Kevin 2022, ApJ submitted. “Active galactic nuclei in two star-forming dwarf galaxies with persistent broad lines”.

Presentations

Contributed Talks

The Formation and Early Evolution of Supermassive Black Holes
November 2024, Baltimore, MD, USA

Northwest Section of the APS 24th Annual Meeting
June 2024, Bothell, WA, USA

Massive Black Holes in the First Billion Years
April 2024, Kinsale, Ireland

Three Minute Thesis (3MT)[®] Competition
March 2024, Pullman, WA, USA

Northwest Section of the APS 23th Annual Meeting
October 2023, Nampa, ID, USA

Origin, Growth, and Feedback of Black Holes in Dwarf Galaxies
September 2022, San Sebastian, Spain

Intermediate-Mass Black Holes: New Science from Stellar Evolution to Cosmology
April 2022, San Juan, Puerto Rico

Posters

Graduate and Professional Student Association Academic Showcase
March 2024, Washington State University

Graduate and Professional Student Association Research Exposition
March 2023, Washington State University

Graduate and Professional Student Association Academic Showcase
March 2022, Washington State University

Teaching & Mentoring Experience**Graduate Student Mentor**

Research Experience for Undergraduates (REU) — Washington State University
Summer 2021, Summer 2022

Served as the first contact point for advising the summer research project of two students.

Teaching Assistant

AST 2001, Introduction to Astrophysics — University of Minnesota 2018–19
Tutoring and grading for undergraduate students.

Observing Experience**Observer**

Merian Survey - Cerro Tololo Inter-American Observatory, Blanco 4-m Telescope
Part of a remote team collecting imaging data using custom medium band filters.

Service & Outreach

Volunteer - Astronomy Conversations, Adler Planetarium Fall 2025 - present
Reviewer - The Astrophysical Journal 2025 - present

Session Chair - Astronomy I June 2024
Northwest Section of the APS 24th Annual Meeting

Member of Graduate Recruitment Committee Fall 2023 - Fall 2024
Physics & Astronomy Department
Washington State University

Treasurer Fall 2020 - Fall 2022
Optica - Washington State University Student Chapter
SPIE - Washington State University Student Chapter

Professional Development

LINCC Frameworks Workshop and Hackathon July 2025
LSST Discovery Alliance
University of Arizona

Summer School in Astroinformatics II June 2022
Center for Astrostatistics
Penn State University

Summer School in Statistics for Astronomers XVII
Center for Astrostatistics
Penn State University

June 2022

Arecibo Observatory Single Dish Summer School
Arecibo Observatory
Arecibo, Puerto Rico

May 2022

**Professional
Membership**

AAS - American Astronomical Society
APS - American Physical Society
LSST AGN Science Collaboration - Large Synoptic Survey Telescope

References

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|---------------------|---|
| Vivienne Baldassare | <p>Assistant Professor Department of Physics and Astronomy Washington State University 1245 Webster Hall Pullman, WA 99164</p> <p>vivienne.baldassare@wsu.edu +1 (509) 335-9179</p> |
| Christopher Carroll | <p>Postdoctoral Fellow Department of Physics and Astronomy Washington State University 1245 Webster Hall Pullman, WA 99164</p> <p>christopher.carroll@wsu.edu +1 (509) 335-1698</p> |
| Guy Worthey | <p>Associate Professor Department of Physics and Astronomy Washington State University 1245 Webster Hall Pullman, WA 99164</p> <p>gworthey@wsu.edu +1 (509) 335-7816</p> |