

SCOTT WILKINSON

Education

PhD Physics with Concentration in Astronomy University of Victoria, Canada	Expected May 2026
MSc Physics with Concentration in Astronomy University of Victoria, Canada	May 2023
BSc Combined Major Physics and Astronomy (with distinction) University of Victoria, Canada	May 2021

Relevant Work Experience

Teaching Assistant: Physics Aid Service, University of Victoria	September 2022 – April 2023
Teaching Assistant: Physics Lab Instructor, University of Victoria	September – December 2022
Junior Research Assistant, National Research Council of Canada	May – August 2020

Community Engagement & Outreach Experience

Organizing Committee Member, UVic Astronomy Summer Seminar Series	April 2023 – present
Seminar Coordinator, Students in Physics and Astronomy Communication Enrichment	March 2023 – present
Academic Representative, UVic Physics and Astronomy Graduate Student Association	September 2022 – present
Student Affairs Officer, UVic Physics and Astronomy Graduate Student Association	January – August 2022
Member, UVic Physics and Astronomy Department Chair Selection Committee	January – May 2022
Narrator of Electronically Assisted Astronomy Observation, Friends of the DAO	April – August 2021
Astronomy Interpreter, UVic Observatory	April 2019 – August 2021

Peer-reviewed Publications

1. **Wilkinson S.**, et al. The efficacy of common merger identification methods (in prep.)
2. Bickley R. W., Ellison S. L., Patton D. R., and **Wilkinson S.** (2023) AGN in post-mergers from the Ultraviolet Near Infrared Optical Northern Survey. MNRAS, 519, 6149-6161
3. Ellison S. L., **Wilkinson S.**, Woo J., Leung H., Wild V., Bickley R. W., Patton D. R., Quai S., Gwyn S. (2022) Galaxy mergers can rapidly shut down star formation. MNRAS Letters, 517, L92-L96
4. **Wilkinson S.**, Ellison S. L., Bottrell C., Bickley R. W., Gwyn S., Cuillandre J.-C., and Wild V. (2022) The merger fraction of post-starburst galaxies in UNIONS. MNRAS, 516, 4354-4372
5. Bickley R. W., Bottrell C., Hani M., Ellison S. L., Teimoorinia H., Yi K. M., **Wilkinson S.**, Gwyn S., and Hudson M. J. (2021) Convolutional neural network identification of galaxy post-mergers in UNIONS with IllustrisTNG. MNRAS, 504, 372-392

Non-peer-reviewed Works

Wilkinson S., McKay A., Braam N., Secord C., and MacRae A. (2021) Portable Real-Time Polarimeter for Partially and Fully Polarized Light. arXiv e-prints, p. arXiv:2102.06114

Conference Presentations (oral)

Quantifying the Completeness of Detected Galaxy Mergers in Large Photometric Surveys – Surveys 2 Discoveries – May 2023, Montreal, Canada

Do Galaxy Mergers Quench Star Formation? – The Epoch of Galaxy Quenching – September 2022, Cambridge, United Kingdom (joint presentation with Sara Ellison)

The Merger Fraction of Post-Starburst Galaxies – CASCA General Assembly – May 2022, Virtual Conference (flash talk presentation)

Looking Deeper into Post-Starburst Galaxies with CFIS – UNIONS CFIS/Pan-STARRS/WISHES Collaboration General Assembly – August 2021, Virtual Conference

Poster Presentations

The Merger Fraction of Post-Starburst Galaxies – CASCA General Assembly – May 2022, Virtual Conference

Merger Fraction of Post-Starburst Galaxies – Jamie Cassels Undergraduate Research Award Poster Session – March 2020, University of Victoria

Seminar Presentations

Are post-starburst galaxies caused by mergers? An investigation into the triggering of rapid quenching. – UVic Astronomy Summer Seminar Series – August 2022, Victoria, Canada

The Early Bird Gets the Alpha-Elements: Re-Analyzing the IFU Spectroscopy of Virgo Dwarf Galaxies – National Research Council of Canada Student Seminar – August 2020, Virtual Seminar

Outreach Presentations (in the past year)

From Big to Biggest: The Brief Introduction to All Things Astronomy – Delta Secondary School, January 2023

From Big to Biggest: The Fields of Active Research in Astronomy – Delta Secondary School, June 2022

Press Coverage and Media Exposure

[*Playing hide-and-seek with colliding dying galaxies.*](#) Astrobites, July 2022 (article)

[*When two galaxies collide they often stop making stars.*](#) NewScientist, September 2022 (article and interview)

Academic Awards

❖ NSERC CGS-D – \$105,000	May 2023 – 2026
❖ President's Research Scholarship – \$ 5,000	May 2023
❖ John and Myrtle Tilley Graduate Scholarship – \$5,200	December 2022
❖ David F. Strong Research Scholarship – \$1,461	December 2022
❖ NSERC CGS-M – \$17,500	May 2022 – 2023
❖ President's Research Scholarship – \$5,000	May 2022
❖ Graduate Entrance Award – \$5,000	September 2022
❖ B. W. Pearse Science Scholarship – \$282	July 2021
❖ Robert S. Evans Memorial Scholarship in Astronomy – \$736	July 2021
❖ Jamie Cassels Undergraduate Research Award – \$1,500	September 2019
❖ UVic Faculty of Science Dean's List	July 2018 – 2021
❖ UVic Excellence Scholarship – \$20,000 (Fully renewed for four years)	September 2017 – 2020
❖ UBC Centennial Scholarship – \$10,000 (Declined)	September 2017
❖ SFU Major Entrance Scholarship – \$24,000 (Declined)	September 2017
❖ BC Achievement Scholarship – \$1,250	August 2017
❖ Delta Agriculture Award – \$1,000	June 2017
❖ Tom Fuchko Memorial Scholarship – \$700	June 2017
❖ Delta Grad Scholarship – \$750	June 2017