

Daniel J. Lyon

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📄 [daniel-lyon.github.io](https://github.com/daniel-lyon)

H-Index: 2 (3 papers, 7 citations)

Last Updated: September 24, 2025

Education

Jul 2025 – **Swinburne University of Technology**,
Present Doctor of Philosophy (Astrophysics).

The first galaxies and supermassive black holes with the James Webb Space Telescope

Mar 2023 – **Queensland University of Technology**,
Mar 2025 Master of Philosophy (Astrophysics).

The Evolution of the Bolometric AGN Luminosity Function via ZFOURGE

Feb 2020 – **Queensland University of Technology**,
Nov 2022 Bachelor of Science (Physics)

GPA: 6.3/7.

Research Experience

Nov 2022 – **Summer Research Scholar**, Centre for Astrophysics and Supercomputing (CAS-Swinburne),
Feb 2023 *Understanding Ultra Diffuse Galaxy Formation with the Keck Telescopes.*

Supervisors: Duncan Forbes & Jonah Gannon

Nov 2022 – **Summer Research Scholar**, International Centre for Radio Astronomy Research (ICRAR-Curtin),
Feb 2023 *Monster Black Holes at the Dawn of Time.*

Supervisors: Nick Seymour & Jess Broderick

Nov 2021 – **Summer Research Scholar**, Queensland University of Technology,
Feb 2022 *Investigating Obscured Active Galactic Nuclei Detection Techniques with Infrared Light.*

Supervisors: Michael Cowley

Teaching Experience

2025 **Teaching Assistant**, IFB104: Building IT Systems,

QUT.

2025 **Teaching Assistant**, SEB122: Physics in the Real World,

QUT.

2025 **Teaching Assistant**, SEB108: Foundations of Data Analysis and Visualisation,

QUT.

2024, 2025 **Teaching Assistant**, PVB210: Stellar Astrophysics,

QUT.

2024 **Teaching Assistant**, SEB104: Grand Challenges in Science,

QUT.

2023 **Teaching Assistant**, PVB220: Cosmology,

QUT.

Awards and Recognition

Apr 2025 Swinburne University of Technology PhD Scholarship

Oct 2024 QUT HDR allowance top-up AU\$2,500

Nov 2023 CAS-Swinburne Summer Scholarship AU\$6,000

Oct 2023 Experiential Development Fund AU\$2,000 travel grant

Sep 2023 School of Chemistry & Physics AU\$1,500 travel grant

Mar 2023 Queensland University of Technology RTP Scholarship

Nov 2022 ICRAR-Curtin Summer Scholarship AU\$10,200

Nov 2021 QUT Vacation Research Scholarship AU\$2,000

2020 – 2022 Dean's Commendation for Excellent Academic Performance ×3

Publications [ADS]

- Jul 2025 Muzzin, A., Suess, K. A., Marchesini, D., et al. (Including **Lyon, D**) (arXiv), <https://ui.adsabs.harvard.edu/abs/2025arXiv250719706M>
- Oct 2024 **Lyon, D. J.**, Cowley, M. J., Pye, O., & Hopkins, A. M. 2024 (arXiv), <http://arxiv.org/abs/2410.08541>
- May 2024 Forbes, D. A., **Lyon, D.**, Gannon, J., Romanowsky, A. J., & Brodie, J. P. 2024, Publications of the Astronomical Society of Australia, 41, e044

Presentations

- Sep 2025 **Talk:** *How to use Mophongo* presented at "MINERVA Team Meeting" (Toronto, Canada).
- Dec 2024 **Poster:** *Infrared Luminosity Functions of High Redshift Galaxies & AGN* presented at "Evolution of Dust and Gas throughout Cosmic Time" (Hiroshima, Japan).
- Oct 2024 **Talk:** *Infrared Luminosity Functions of High Redshift Galaxies & AGN* presented at "MPhil Seminars 2024" (Brisbane, Australia).
- Sep 2024 **Talk:** *Infrared Luminosity Functions of High Redshift Galaxies & AGN* presented at "Mount Stromlo Student Seminars" (Canberra, Australia).
- Jul 2024 **Poster & Sparkler:** *Infrared Luminosity Functions of High Redshift Galaxies & AGN* presented at "ASA Annual Science Meeting 2024" (Online, Australia).

Service

- 2024 **Scientific Organising Member** for the *Harley Wood School of Astronomy*
- 2024 **Scientific Organising Member** for the *QUT Under/Post-graduate Science Fair*

Observing Experience

- Nov 2023 *Keck: 1x Full night of science* (remote: Swinburne)
- Sep 2023 *ATCA: Tutorial* (onsite: Narrabri)

Memberships

- 2023 *Astronomical Society of Australia*
- 2022 *Australian Insititute of Physics*

References

Ivo Labbè,
Associate Professor,
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Michael Cowley,
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Queensland University of Technology,
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