

Cian O'Toole

📍 Dublin, Ireland ✉ cotoole3@tcd.ie

Education

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|---|------------------------------|
| Trinity College Dublin
<i>PhD in Astrophysics</i>
<i>Supervisor: Prof. Johanna Vos</i> | <i>Sept 2023 – Sept 2027</i> |
| Trinity College Dublin
<i>BA in Physics and Astrophysics</i>
◦ Grade: 2.1 | <i>Sept 2019 – May 2023</i> |

Conferences and Talks

- Poster at the Institute of Physics Ireland Spring Conference, February 2025
- Invited Talk at the DUBlin STar formation, deBris dIsks and plaNets (DUSTBIN) meeting, October 2024.
- Contributed Talk at Irish National Astronomical Meeting, August 2024.
- Talk at Dublin-Belfast Exoplanet meeting, August 2024.
- Poster at Carl Sagan Summer School, July 2024.
- Poster at Cool Stars 22, San Diego, California, USA, [June 2024](#) [↗](#).

Grants and Awards

- NASA JPL travel grant, Cool Stars 22, \$900, June 2024.
- Runner up in TCD School of Physics Tercentenary *3 Minute Thesis* competition, €100, April 2024.
- Runner up poster in Atomic Science exhibition, €250, March 2023.

Peer Reviewed Publications

- *The JWST Weather Report from the Isolated Exoplanet Analog SIMP 0136+0933: Pressure-Dependent Variability Driven by Multiple Mechanisms*, The Astrophysical Journal Letters
Allison McCarthy, Johanna Vos, Philip Muirhead et al.; + 17 other co-authors, incl. **O'Toole, C.**
- *Disentangling Auroral and Cloud Variability in Early L Dwarfs*
O'Toole et al. (in prep).

Outreach

- Pint of Science, Dublin, May 2025
- Space Week talk at Explorium, Dublin, Ireland, [October 2024](#) [↗](#)
- SFI Curious Minds for National Science Week, [October 2024a](#) [↗](#) [October 2024b](#) [↗](#)
- TCD Astrophysics Seminar Organiser, September 2024 - present.

Teaching

- Teaching Assistant in the 3rd year undergraduate experimental labs, September 2023 - Present