

# Alex James Cameron

**Email:** alex.cameron@nbi.ku.dk

**Number of years since PhD:** 4.8

**Number of refereed journal publications:** 59 (plus 15 pre-prints under review)

**h-index:** 42 (including pre-prints under review; NASA ADS, 5/12/2025)

**First-author refereed publications:** 8 with a combined total of 591 citations (NASA ADS, 5/12/2025)

## EDUCATION

### Doctor of Philosophy – Science (Astrophysics)

Feb 2017 – Feb 2021

School of Physics, University of Melbourne

Supervisor: Prof. Michele Trenti

### Master of Science

Feb 2014 – Dec 2015

University of Melbourne

## ACADEMIC POSITIONS

### DAWN Fellow

Nov 2025 – present

Cosmic Dawn Center, Niels Bohr Institute, University of Copenhagen

### Gianturco Junior Research Fellow

Sep 2022 – Oct 2025

Linacre College, University of Oxford

### Postdoctoral Research Assistant

Feb 2021 – Oct 2025

Department of Physics, University of Oxford

## AWARDS

### Faculty of Science Postgraduate Writing-Up Award

2020

### Dr Alan Kenneth Head Travelling Scholarship

2018

### Australian Government Research Training Program (RTP) Scholarship

2017 – 2020

### Ronald Riseborough Prize for best thesis in Applied Chemistry

2015

## RECENT & UPCOMING INVITED TALKS

### From Dust till Dawn

Feb 2026

Workshop in Leiden, Netherlands

Invited speaker

### Exploring the Evolution of CNOPS Elements from Earth and Space

Feb 2026

Workshop in Sexten, Italy

Invited keynote speaker: “CNO abundances at low Z and high z”

### 2nd IAA-CSIC Severo Ochoa Advanced School on Galaxy Evolution

May 2025

Granada, Spain

Invited lecturer on nebular emission in galaxies

### Seminar at University of Warwick

Feb 2025

### Seminar at University College London

Nov 2024

### Connecting Simulations and Observations in 3D Across Cosmic Time

Jun 2024

Workshop in Barossa Valley, Australia

*Title: Nebular emission and massive stars in the early Universe*

### Seminar at Armagh Observatory

Apr 2024

### Seminar at Queen's University Belfast

Apr 2024

### IV Workshop of Chemical Abundances in Gaseous Nebulae

May 2024

Conference in Sao Jose dos Campos, Brazil  
*Title: Nitrogen abundances and massive stars in the early Universe*

**Cosmic Threads: Interlinking the Stellar Initial Mass Function from Star-birth to Galaxies** Mar 2024  
Workshop in Sexten, Italy  
*Title: Nebular-dominated galaxies? Possible probe of top-heavy initial mass functions at high redshift*

**Pan-Survey SED Fitting Forum** Jan 2024  
Online discussion forum  
*Title: What emission lines can (and can't) tell us about galaxies*

**Seminar at University of Manchester** Nov 2023

**BRIDGCE Annual meeting** Sep 2023  
Conference in Edinburgh, United Kingdom  
*Title: Chemical abundances in galaxies: Tracing galaxy assembly and the star formation history of the Universe*

**Seminar at ICRAR (Curtin), Perth, Australia** Aug 2023  
**Seminar at ICRAR (UWA), Perth, Australia** Aug 2023  
**Seminar at Australian National University, Canberra, Australia** Jul 2023

## **SUPERVISION**

**Co-supervisor to doctoral student** 2025 – present  
University of Oxford (DPhil)

**Primary supervisor to Master of Physics student** 2024 – 2025  
University of Oxford (MPhys)

**Primary supervisor to undergraduate research student** 2024  
University of Oxford (Summer Research Program)

## **TEACHING**

**2nd IAA-CSIC Severo Ochoa Advanced School on Galaxy Evolution** May 2025  
Granada, Spain  
Invited lecturer on nebular emission in galaxies

**Tutor, University of Oxford** 2023 – 2024  
C1 Astrophysics (final year undergraduate course)

**Guest lecturer, University of Melbourne** Aug 2019  
First year undergraduate astronomy

**Laboratory coordinator, University of Melbourne** 2018 – 2019  
First year undergraduate astronomy

**Laboratory demonstrator, University of Melbourne** 2017 – 2019  
First year undergraduate astronomy

**SERVICE**  
**Co-lead: Target Selection Working Group** 2021 – 2025  
JWST Advanced Deep Extragalactic Survey (JADES)

**Chair of Scientific Organising Committee** Jul 2024  
SS6: “Chemical evolution in the era of JWST: from stars to galaxies”  
Special session at European Astronomical Society Annual Meeting 2024, Padova, Italy

**Organiser: Galaxies Journal Club** 2021 – 2024

**Member of Scientific Organising Committee and session chair**

**Jul 2022**

“Bridging stellar interactions with galactic chemical evolution, nucleosynthesis and dust”

Parallel session at National Astronomy Meeting 2022, Warwick, United Kingdom

**TELESCOPE TIME AWARDED (PI)**

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**ESO Very Large Telescope (KMOS)** – Program ID: 0104.B-0566

Oct 2019

Awarded 2 nights, Visitor Mode

**ESO Very Large Telescope (X-SHOOTER)** – Program ID: 109.23E3

Mar 2022

4 hours, Service Mode

**PRESS RELEASES**

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**“In Odd Galaxy, NASA’s Webb Finds Potential Missing Link to First Stars”**

Sep 2024

Press release based on first-author paper.

**Selected articles:** [\[1\]](#) and [\[2\]](#).

**“Galaxies pump out contaminated exhausts”**

Sep 2021

Press release based on first-author paper.

**Selected articles:** [\[3\]](#) and [\[4\]](#).

**RECENT OUTREACH ACTIVITIES & PUBLIC TALKS**

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**Public talk at ATOM Society, Abingdon, UK**

Nov 2024

**Public talk at Newbury Astronomical Society, Newbury, UK**

Dec 2023

**Linacre College Seminar Series, Oxford, UK**

Oct 2023

**Public talk at Abingdon Astronomical Society, Abingdon, UK**

Apr 2023

**Public talk at British Amateur Astronomical Society, Winchester, UK**

Apr 2023

**Station leader at “Into the Cosmos”, Department of Physics, Oxford, UK**

Jan 2023