

EDUCATION

Postdoctoral research associate - Durham University Manager: Prof. Dr. Alis Deason	2024–present
PhD - Kapteyn Institute, University of Groningen Assembly history of the Milky Way using Gaia and spectroscopic surveys Supervisor: Prof. Dr. Amina Helmi	2020–2024
MPhys - Lancaster University Can we observe young globular clusters forming at high redshift? Supervisor: Dr. David Sobral	2016–2020

OTHER RESEARCH EXPERIENCE

Internship - Lancaster University, Dr. David Sobral Lyman alpha haloes across cosmic time	Summer 2019
Internship - ESA ESTEC/Leiden University, Dr. Alice Zocchi The dynamical origin of the flattening of globular clusters	Summer 2018
Internship - Lancaster University, Dr. David Sobral Using Hubble and ALMA to unveil the nature of CR7	Summer 2017

PUBLICATIONS

Author or co-author of 14 refereed publications in international journals. Approximately 291/303 citations and an H-index of 7/8 according to ADS/Google Scholar.

TEACHING

Lab Demonstrator at Durham University <i>Physics bachelors year one</i>	2025
Co-Supervision of MPhys student at Durham University <i>How did the Milky Way form? Using data-driven methods to uncover mergers in the Galaxy</i>	2024-2025
Co-Supervision of Honours students at Kapteyn Institute, University of Groningen <i>Multiple stellar populations with Gaia DR3 synthetic photometry</i>	2023-2024
Teaching Assistant at Kapteyn Institute, University of Groningen <i>Physics of Galaxies</i> Including assistance in the design of a computational project using galaxy data	Spring 2022, 2023, 2024
Teaching Assistant at Kapteyn Institute, University of Groningen <i>Numerical Methods</i>	Spring 2021

AWARDS AND FUNDING

- Durham PDDTA (Physics Department Developing Talent Award) Grant 2025
- MW-GAIA COST Action Grant 2023
- Research Academy Prize for Masters Thesis 2020
- DEX XVI Best Talk 2020
- Ogden Trust Intern of the Year 2017
- Ogden Trust Undergraduate Science Scholarship 2016-2020
- Ogden Trust Year 12 Physicist of the Year 2015

TALKS

Invited

- Invited seminar at Lancaster University October 2025
- Invited talk on the assembly of the Milky Way with Gaia GaiaNIR session, National Astronomy Meeting 2025
- Towards Real-Time Galactic Dynamics, Lorentz Centre, Leiden July 2022
- Invited seminar at Istanbul University March 2022

Contributed

- Auriga Superstars meeting contributed talk July 2025
- Stars II contributed talk June 2025
- Friday Lunch Talk at ICC Durham June 2025
- Colloquium at INAF Bologna May 2025
- Milky Way Assembly Tale May 2024
- Colloquium at INAF Bologna February 2024
- Group seminar at University of Chicago September 2023
- MODEST-23: Star Clusters in the Post Pandemic Era August 2023
- Group seminar at University of Granada March 2023
- Lunch talk at Kapteyn Institute March 2023
- IAUS 377: Early Disk-Galaxy Formation from JWST to the Milky Way February 2023
- Kapteyn science day 2022 December 2022
- Nova NW1 meeting 2022 September 2022
- Nova NW1 meeting 2021 October 2021
- Lunch talk at Kapteyn Institute September 2021
- Galaxy cookies, informal talk at Kapteyn Institute November 2020
- DEX XVI: 2020 vision: progress and tensions in astronomy January 2020
- LEAPS final presentations August 2018

Posters

- Bridging scales: star clusters and their host galaxies from the local to the high z Universe September 2025
- National Astronomy Meeting July 2025
- Milky Way Assembly Tale May 2024
- EAS 2022 June 2022
- EAS 2021 June 2021

SUCCESSFUL OBSERVING PROPOSALS

- **PI of ESO proposal** 0111.D-0263(A) Nature of accreted streams populating the local halo UVES/VLT (17.1 hrs)
- **Co-I on 4 other successful ESO proposals** from 2022 - 2025
- **Co-I on a successful HST proposal** 2025
- **Co-PI of INT proposal** TIHMPSS: The INT Halo Metal Poor Star Survey (40 nights 21B/22A, Calhau & Sobral)

OTHER ACADEMIC ACTIVITIES

- **Lead weekly Arxiv coffee discussion** Oct 2025 –ongoing
- **Chair and organisation of weekly lunch talks at the department** 2022 –2024
- **Young Minds Groningen:** secretary and vice president, organise scientific and outreach events 2021 –2024
- **Observing experience:** 2 nights experience observing with INT/WFC including full data reduction 2018
- **Outreach:** heavily involved with the XGAL outreach team during my undergraduate degree 2017 –2020

LANGUAGES AND SOFTWARE

- **Python** (including numpy, scipy, agama, vaex) : High level
- **Gadget Nbody:** Good level of experience

REFERENCES

Available upon request