James Rice

Doctoral Researcher · Astronomy

Centre for Astronomy and Particle Theory, University of Nottingham

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Current Research Interests

- Environmental dependence of galaxy evolution
- The baryon cycle
- Cold gas and star formation in galaxies

Education & Career

University of Nottingham - CAPT — *PhD in Astronomy (in progress)*, *2025–Present*
Supervisors: Dr Yannick Bahé, Prof Meghan Gray, Dr Lucas Kimmig

University of Oxford - St. Edmund Hall — *PGCE in Secondary Mathematics*, *2021–2022*

University College London - Cosmoparticle Initiative — *MSc in Astrophysics & Research Experience*, *2017–2019*
Supervisor: Prof Benjamin Joachimi

Imperial College London - Blackett Laboratory — *BSc in Physics & Research Experience*, *2014–2017*
Supervisor: Dr Vijay Tymms

Publications

First publications pending

Talks

2026 **SWIFTcon**, Molecular gas in COLIBRE cluster satellites
2026 **ISSI Team Meeting**, Molecular gas in COLIBRE cluster satellites

Awards, Grants & Memberships

2026+ **The Three Hundred Project**, Group Member
2025+ **COLIBRE Project**, Group Member
2025+ **Fellow of the Royal Astronomical Society**, FRAS
2025+ **Member of the Institute of Physics**, MInstP
2025–2029 **PhD Stipend**, STFC-funded
2017+ **Associate of the Royal College of Science**, ARCS

Teaching

2026	**Harlaxton College**, Adjunct Lecturer of Astronomy	*Grantham*
2025–2026	**University of Nottingham**, Undergraduate Workshop Teaching Assistant	*Nottingham*
2024–2025	**Alderwood Senior School**, Teacher of Mathematics & Computing, Second in Mathematics	*Aldershot*
2022–2024	**Magdalen College School**, Teacher of Physics	*Oxford*
2021	**Farnham College**, Teacher of Mathematics	*Farnham*
2020	**Guildford College**, SEN Learning Support Assistant, Substitute Teacher	*Guildford*
2019+	**Private Tutor and Various Others**	