

Richard Alexander

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School of Physics & Astronomy
University of Leicester
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Employment

- 2009–present **School of Physics & Astronomy, University of Leicester**
Professor of Theoretical Astrophysics (2019–)
Reader (Associate Professor) in Theoretical Astrophysics (2015–19)
Lecturer in Theoretical Astrophysics (2009–2015)
STFC Advanced Fellow (2009–2015)
[Includes three months' paternity leave, March–June 2012.]
- 2007–2009 **Sterrewacht Leiden, Leiden University**
Postdoctoral Fellow
- 2005–2007 **JILA, University of Colorado**
Postdoctoral Research Associate

Education

- 2002–2005 **Institute of Astronomy, University of Cambridge**
PhD in Astrophysics
Supervisor: Prof. Cathie Clarke.
- 1997–2002 **University of Edinburgh**
MPhys (Astrophysics) with First Class Honours

PhD Student Supervision

- 2022–present Simin Tong, University of Leicester.
- 2017–2020 Giulia Ballabio, University of Leicester.
- 2012–2016 Tom Hands, University of Leicester.
- 2010–2013 Alex Dunhill, University of Leicester.

Research Supervision

- 2022–present Sahl Rowther, post-doctoral research associate.
- 2019–2021 Alison Young, post-doctoral research associate.
- 2019–2020 Andrew Winter, post-doctoral research associate.
- 2018–2021 Enrico Ragusa, post-doctoral research associate.
- 2017–2020 Rebecca Nealon, post-doctoral research associate.
- 2017–2020 Cass Hall, post-doctoral research associate / Winton Exoplanet Fellow.
- 2017–2019 Giovanni Dipierro, post-doctoral research associate.
- 2016 Tom Hands, post-doctoral research associate.
- 2014–2016 Stephen Fendyke, post-doctoral research associate.
- 2010 Sarah Crick (née Smedley), SURE summer student.
- 2008–09 Daniel Harsono, MSc research project (Leiden University).

Recent Teaching Experience

- 2022–present Lecturer for fourth-year course *Supermassive Black Holes & Large-scale Structure*.
- 2021–present Departmental postgraduate tutor (i.e., PhD programme director).
- 2021–present Lecturer and module lead for third-year course *Quasars & Cosmology*.
- 2015–present Lecturer and module lead for core first-year physics course *Waves & Quanta*.
- 2011–present Lecturer / organiser of postgraduate course *Formation of Planetary Systems*

Research Grants (as Principal Investigator)

- 2022–25 **Science & Technology Facilities Council (UK)**
co-I of departmental Consolidated Grant (£1.5M); PI of funded sub-project (£525k).
- 2016–21 **European Research Council**
ERC Consolidator Grant (€1.95M)
- 2014–17 **The Leverhulme Trust (UK)**
Philip Leverhulme Prize (£70k).
- 2013–16 **Science & Technology Facilities Council (UK)**
co-I of departmental Consolidated Grant (£4.8M); PI of funded sub-project (£154k).
- 2009–15 **Science & Technology Facilities Council (UK)**
Advanced Fellowship (£498k).

Professional Affiliations

- Fellow of the Royal Astronomical Society.
- Fellow of the Higher Education Academy.

Service & Peer-Review

- Grant panel membership: NASA *Origins of Solar Systems* (2010, 2013), STFC Ernest Rutherford Fellowships (2021–present).
- Referee for *Science*, *Nature*, *ApJ*, *ApJL*, *ApJS*, *MNRAS*, *A&A*, *New Astronomy Reviews*, *Astrophysics & Space Science*, *Space Science Reviews*: typically 4–6 papers per year.
- Review of grant applications for STFC, Royal Society, Leverhulme Trust, RAS (UK), NASA (USA), NWO (Netherlands), FWF (Austria), CSCS (Switzerland), CONICYT (Chile).

Selected Invited Presentations

- 2020 Lecturer at STFC summer school, Warwick, UK.
- 2018 Review speaker at Royal Society *Frontiers of Science* meeting, Buckinghamshire, UK.
- 2017 Review speaker at *The migration issue*, Cambridge, UK.
- 2016 Review speaker at *Star Formation 2016*, Exeter, UK.
- 2014 Review speaker at *Protoplanetary disks and the planets they form*, Santiago, Chile
- 2013 Lead author of review chapter at *Protostars & Planets VI*, Heidelberg, Germany.
- 2013 Review speaker at IAU Symposium 299, Victoria, BC, Canada.

Publication & Citation Summary

- 72 peer-reviewed papers (published or in press).
- 20 first-author peer-reviewed papers.
- >4000 total citations; *h*-index of 34.