

# 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 (PDRA).  
2019–2021 Alison Young, PDRA.  
2019–2020 Andrew Winter, PDRA.  
2018–2021 Enrico Ragusa, PDRA.  
2017–2020 Rebecca Nealon, PDRA.  
2017–2020 Cass Hall, PDRA / Winton Exoplanet Fellow.  
2017–2019 Giovanni Dipierro, PDRA.  
2016 Tom Hands, PDRA.  
2014–2016 Stephen Fendyke, PDRA.  
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*.
- 2014–2016 Undergraduate admissions tutor.
- 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).

## Service & Peer-Review

- Grant panel membership: NASA *Origins of Solar Systems* (2010, 2013), PRACE–DECI (2020), 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

- 2023 Review speaker at *Cores to Disks III*, Paris, France.
- 2020 Lecturer at STFC summer school, Warwick, UK.
- 2018 Review speaker at *Where are the young planets?*, Madrid, Spain.
- 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

- 76 peer-reviewed papers (published or in press).
- 21 lead-author peer-reviewed papers.
- 23 peer-reviewed papers lead-authored by early-career researchers under my supervision.
- >4000 total citations; *h*-index of 37.