

# Richard Alexander

email: richard.alexander@leicester.ac.uk  
https://rdalexander.github.io  
Tel: +44 (0)116 252 3543

School of Physics & Astronomy  
University of Leicester  
Leicester, LE1 7RH, UK

## 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

- 71 peer-reviewed papers (published or in press).
- 20 first-author peer-reviewed papers.
- >4000 total citations; *h*-index of 33.