

# Richard Alexander

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Department of Physics & Astronomy  
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## Employment

- 2009–present **Department of Physics & Astronomy, University of Leicester**  
*Reader (Associate Professor) in Theoretical Astrophysics (2015–)*  
*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: Dr. Cathie Clarke.
- 1997–2002 **University of Edinburgh**  
*MPhys(Astrophysics) with First Class Honours*

## PhD Student Supervision

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

## Research Supervision

- 2017–present Rebecca Nealon, post-doctoral research associate.  
2017–present Cass Hall, post-doctoral research associate.  
2017–present Giovanni Dipierro, post-doctoral research associate.  
2016 Tom Hands, post-doctoral research associate.  
2014–2016 Stephen Fendyke, post-doctoral research associate.  
2010 Sarah Smedley, SURE summer student.  
2008–09 Daniel Harsono, MSc research project (Leiden University).

## Recent Teaching Experience

- 2015–present Lecturer (and module leader) for core first-year physics course *Waves & Quanta*.  
2014–2016 Undergraduate admissions tutor.  
2011–present Module leader for postgraduate course *Formation of Planetary Systems* (University of Leicester & Midlands Physics Alliance Graduate School).  
2011–2012 Completed PGC module on Academic Practice in Higher Education.

## Research Grants (as Principal Investigator)

- 2015 **European Research Council**  
ERC Consolidator Grant (€1.95M)
- 2013 **The Leverhulme Trust (UK)**  
Philip Leverhulme Prize (£70k).
- 2012 **Science & Technology Facilities Council (UK)**  
co-I on University of Leicester Consolidated Grant (total value £4.8M).  
Lead investigator of funded sub-project (£154k).
- 2009 **Science & Technology Facilities Council (UK)**  
Advanced Fellowship (£498k).

## Recent Awards & Honours

- 2013 **Philip Leverhulme Prize**
- 2009 **STFC Advanced Fellowship**
- 2009 **Visiting Fellowship**, Isaac Newton Institute for Mathematical Sciences, Cambridge.

## Professional Affiliations

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

## Service & Peer-Review

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

## Selected Invited Presentations

- 2018/05 Review speaker at Royal Society *Frontiers of Science* meeting, Buckinghamshire, UK.
- 2017/05 Review speaker at *The migration issue*, Cambridge, UK.
- 2016/08 Review speaker at *Star Formation 2016*, Exeter, UK.
- 2014/11 Review speaker at *Protoplanetary disks and the planets they form*, Santiago, Chile
- 2013/07 Lead author of review chapter at *Protostars & Planets VI*, Heidelberg, Germany.
- 2013/06 Review speaker at IAU Symposium 299, Victoria, BC, Canada.
- 2010/05 Invited speaker at *Dynamics of Astrophysical Disks*, Kavli Institute, Beijing, China.
- 2008/10 Review speaker at 5th Spitzer Conference, Pasadena, USA.
- 2007/06 Invited speaker at Ringberg Castle Galactic Centre conference, Munich, Germany.
- 2006/07 Review speaker at *The Disc-Planet Connection*, Cambridge, UK.

## Publication & Citation Summary

- 47 peer-reviewed papers (published or in press).
- 20 first-author peer-reviewed papers.
- >2000 total citations; *h*-index of 25.