

David Kipping

ASSISTANT PROFESSOR · ASTRONOMER

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Research Interests

- Extrasolar Planets** Detection, Dynamics, Atmospheres, Exomoons, Rings
- Astrostatistics** Bayesian Inference, Machine Learning, Population Inference, Natural Language Processing
- Life in the Universe** Technosignatures, Astroengineering, Interstellar Communication, Astrobiostatistics

Publications

- Number** 90 peer-reviewed research publications, 44 as first-author, 19 as solo-author
- Journals** Nature, Science, PNAS, ApJ, MNRAS, AJ, Astrobiology, Phys. Letters
- Metrics** h -index = 36, m -index = 2.8, $tori$ -index = 31.6, riq -index = 468

Employment

- Columbia University** New York, NY, USA
ASSISTANT PROFESSOR Sep. 2015 - PRESENT
- American Museum of Natural History** New York, NY, USA
RESEARCH ASSOCIATE Sep. 2015 - PRESENT
- Flatiron Institute** New York, NY, USA
VISITING SCHOLAR Aug. 2019 - PRESENT
- Harvard College Observatory** Cambridge, MA, USA
SAGAN/MENZEL FELLOW Sep. 2011 - Aug. 2015
- Smithsonian Institute** Cambridge, MA, USA
POSTDOCTORAL FELLOW Mar. 2011 - Aug. 2011
- Smithsonian Institute** Cambridge, MA, USA
PREDOCTORAL FELLOW Sep. 2009 - Dec. 2010

Education

- University College London** London, United Kingdom
PH.D. IN ASTRONOMY Oct. 2007 - Mar. 2011
- Advisor: G. Tinetti, “The Transits of Extrasolar Planets with Moons”
 - Published by Springer, ISBN 978-3-642-22269-6
- University of Cambridge** Cambridge, United Kingdom
M.SC. NATURAL SCIENCES Sep. 2003 - Jun. 2007
- Robinson College, concentration in Physics

Honors & Awards

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|------|--|---------------|
| 2018 | Sloan Fellow , Alfred P. Sloan Foundation | New York, USA |
| 2017 | SN 10 Scientists to Watch , Science News | Wash. DC, USA |
| 2015 | Brilliant 10 , Popular Science | New York, USA |
| 2012 | Keith Runcorn Prize , Royal Astronomical Society | London, UK |
| 2012 | Postgraduate Thesis Prize , UCL Faculty of Mathematical and Physical Sciences | London, UK |
| 2011 | Jon Darius Memorial Prize for Outstanding Postgraduate Research in Astrophysics , UCL | London, UK |
| 2011 | Thesis Prize for Outstanding PhD Research , Springer | New York, USA |
| 2011 | Valerie Myerscough Prize for Physics & Astronomy , University of London | London, UK |

Service

EXTERNAL

Jul 2020 **Exoplanets 3**, Scientific Organizing Committee
Jul 2020 **The First Penn State SETI Symposium**, Scientific Organizing Committee
Jan 2020 **Panel Member**, NASA Hubble Fellowship Program
Mar 2018 **Diversis Mundi**, Scientific Organizing Committee
June 2015 **Meeting Convenor**, Pathways Towards Exomoons
ongoing **Journal Reviewer**, Nature, ApJ, MNRAS, A&A, Astrobiology, PASJ, IJA, EM&P
ongoing **Proposal Reviewer**, NASA, NSF, HARPS-N, Gemini
2009 **Textbook Reviewer**, *EXOPLANETS*, University of Arizona Press, ed. S. Seager

Heidelberg
Penn State
New Orleans, USA
Santiago, Chile
Bern, Germany

INTERNAL

2015/19 **Graduate Admissions**, Committee Member
2019 **Graduate Visits**, Co-Organizer
2018/19/20 **Faculty/Student Hangouts**, Organizer
2017/18/19 **Advisory Council**, Speaker
2015 **Habanero Committee**, Committee Member
2015/16/19 **Colloquium Committee**, Chair/Committee Member

Teaching

ASTR1753

LIFE IN THE UNIVERSE

Columbia University

Fall 15

ASTR1453

ANOTHER EARTH

Columbia University

Spring 18/19

ASTR3105

EXOPLANETS

Columbia University

Spring 17

ASTR3986/4303

ASTROSTATISTICS

Columbia University

Fall 16/17/19