

# David M. Kipping

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RESEARCH INTERESTS Exoplanets, moons, rings, stellar hosts, astrostatistics

PUBLICATIONS 70 publications (38 first-authored),  $\gtrsim$  2300 citations,  $h$ -index = 32 [[Google Scholar](#)]

EMPLOYMENT **Columbia University**, New York, NY  
Assistant Professor of Astronomy, 09/2015 –  
Adjunct Professor of Astronomy, 05/2015 – 08/2015  
**American Museum of Natural History**, New York, NY  
Research Associate, 07/2015 –  
**Harvard College Observatory**, Cambridge, MA  
Menzel prize fellow, Advisor D. Sasselov, 09/2014 – 08/2015  
Sagan prize fellow, Advisor D. Sasselov, 09/2011 – 08/2014  
**Smithsonian Institute**, Cambridge, MA  
Postdoctoral fellow, Advisor R. Noyes, 03/2011 – 08/2011  
Predoctoral fellow, Advisor G. Bakos, 09/2009 – 12/2010

MAJOR AWARDS

- Science News “SN 10 Scientists to Watch” Award, 10/2017
- Popular Science Annual “Brilliant 10” Award, 09/2015
- Royal Astronomical Society Keith Runcorn Prize, 20/04/2012
- University College London Faculty of Mathematical and Physical Sciences Post-graduate Prize, 11/01/2012
- University College London Jon Darius Memorial Prize for Outstanding Post-graduate Research in Astrophysics, 28/10/2011
- Springer Thesis Prize for Outstanding PhD Research, 03/2011
- University of London Valerie Myerscough Prize for Physics & Astronomy, 10/2009

EDUCATION **University College London**, London, UK  
Ph.D. Astronomy 03/2011; Advisor G. Tinetti  
*The Transits of Extrasolar Planets with Moons*  
**University of Cambridge**, Cambridge, UK  
M.Sc. Natural Sciences (Physical), 06/2007  
**University of Cambridge**, Cambridge, UK  
M.A. Natural Sciences (Physical), 06/2006

GRANTS

- Admin PI of HST proposal 15149 in cycle 25: “Validating the Presence of a Moon Orbiting Kepler-1625b”, 26 orbits [[link](#)]
- PI of NASA NAS proposal, 5.2M CPU hours, equivalent value  $\sim$ \$0.5M [[link](#)]
- “Detection of Hidden Worlds in Kepler Data”, NASA ADAP proposal, \$300k evenly split between PI Nesvorný and Scientific-PI Kipping
- \$700k in fellowships (SI Scholarly Studies, NASA Sagan, Harvard Menzel)
- PI of the MOST proposal “The Case for Observing Proxima Centauri” [[link](#)]
- PI of the *Spitzer* proposal “The transiting planet with the longest year” [[link](#)]

**SERVICE**                    **Journal Reviewer:** Nature, ApJ, MNRAS, A&A, Astrobiology, PASJ, IJA, EM&P  
**Meeting Convenor:** *Pathways Towards Exomoons*, Bern, 2015 [[link](#)]

**Textbook Reviewer:** *EXOPLANETS*, University of Arizona Press, ed. S. Seager  
**Proposal Reviewer:** NASA, NSF, HARPS-N, Gemini

**TEACHING**                    ASTR3105, “Exoplanets & Astrobiology”, Columbia University, Spring 2017  
ASTR3986, “Astrostatistics” (developed the class), Columbia University, Fall 2016/17  
ASTR1753, “Life in the Universe”, Columbia University, Fall 2015  
Lecture series, Instituto de Astronomía, Universidad Católica del Norte, Chile, 03/2011

**MENTORING**                **thesis:** Jingjing Chen, Emily Sandford  
**graduate:** Alex Teachey, Moiya McTier, Tiffany Jansen, Bence Béky  
**bridge program:** Jorge Cortes, Ryan Diaz, Moiya McTier  
**undergrad research:** Chris Lam, Kanchana Raja, Prakruth Adari, David Sliski,  
William Dunn, Jamie Jasinski, Varun Manthri, Giammarco Campanella

**INVITED TALKS**             **Carnegie-Mellon University**, Pittsburgh, May 2017  
**Penn State University**, State College, Nov 2016  
**Yale University**, New Haven, Sep 2016  
**Vanderbilt University**, Nashville, Sep 2016  
**UCLA**, Los Angeles, Sep 2015  
**Southwest Research Institute**, Boulder, Apr 2015  
**Toronto University**, Toronto, ON, Canada, Feb 2015  
**UC Berkeley**, Berkeley, CA, Sep 2014  
**“Unsolved Problems in Astrophysics & Cosmology”**, Budapest, Jun 2014  
**Princeton University**, Princeton, NJ, Oct 2013  
**Frank N. Bash Symposium**, Austin, TX, Oct 2013  
**ExoLab**, Caltech, Pasadena, CA, Apr 2013  
**Keith Runcorn prize talk**, London, UK, Mar 2013  
**Brown University**, Providence, RI, Nov 2012  
**“Sagan Fellows Symposium”**, Caltech, Pasadena, CA, Nov 2012  
**Princeton University**, Princeton, NJ, Oct 2012  
**Institute of Advanced Study**, Princeton, NJ, Oct 2012  
**“Sagan Summer Workshop”**, Caltech, Pasadena, CA, Jul 2012  
**STScI**, Baltimore, MD, May 2012  
**Cavendish Laboratory**, University of Cambridge, Cambridge, UK, Apr 2012  
**American Museum of Natural History**, New York, NY, Feb 2012  
**Yale University**, Dept. of Physics & Astronomy, CT, Jan 2012  
**NExScI**, Caltech, Pasadena, CA, Nov 2011  
**“Next 40 Years of Exoplanets”**, MIT, MA, May 2011 [[watch](#)]

**SELECTED OUTREACH**        Numerous public lectures and interviews for documentaries, radio, etc.  
“Cool Worlds” YouTube channel [[link](#)]