

Dr. Leslie A. Rogers

CONTACT INFORMATION	Department of Astronomy & Astrophysics University of Chicago 5640 S Ellis Ave, Chicago, IL 60637 USA	(617) 388-6153 larogers@uchicago.edu http://www.astro.caltech.edu/~larogers
EDUCATION	Ph.D., Physics , Massachusetts Institute of Technology Thesis: <i>Structure, Formation, and Habitability of Super-Earth and Sub-Neptune Exoplanets</i> Advisor: Sara Seager G.P.A.: 5.0/5.0 B.Sc., Honors Physics-Mathematics , University of Ottawa Thesis: <i>A Theoretical Determination of Meteor Width</i> Advisor: Robert Hawkes G.P.A.: 10.0/10.0	June 2012 June 2006
RESEARCH INTERESTS	Broad interests in astrophysics and planetary science. Recent work has focused on the formation, structure, composition, and evolution of super-Earth and sub-Neptune exoplanets. Additional interests include gravitational microlensing, interacting binary stars, and meteoroid ablation in the Earth's atmosphere.	
APPOINTMENTS	Assistant Professor , University of Chicago NASA Sagan Fellow , University of California, Berkeley Hubble Fellow , Caltech Postdoctoral Scholar , MIT Graduate Research Assistant , MIT Undergraduate Research Assistant , Mount Allison University	September 2016 - Present September 2015 - August 2016 September 2012 - August 2015 June 2012 - August 2012 September 2006 - June 2012 Summer 2003, 2004, 2005
TEACHING	Lecturer , University of Chicago ASTR 49900, Graduate Research Seminar Guest Lecturer Stanford University, GE221 What Makes a Habitable Planet? Florida Institute of Technology, SPS 5030 Planetary Sciences I: Interiors Caltech, Ge/Ay159 Planetary Evolution and Habitability Mount Allison University, PHYS 3021 Life in the Universe Teacher Training , Massachusetts Institute of Technology Completed Graduate Student Teaching Certificate Program Completed 8.395J Teaching College-Level Science and Engineering Teaching Assistant , Massachusetts Institute of Technology 8.901 Astrophysics I 12.815 Radiation in Atmospheres 12.690 Transiting Exoplanets Teaching Assistant , University of Ottawa PHY2004 Travaux pratiques en physique/Practical Physics Laboratory PHY2337 Mechanics II and PHY2737 Mécanique II	Fall 2016 Fall 2014 Fall 2013 Fall 2012 Fall 2011 2010-2011 Spring 2009 Spring 2012 Fall 2010 Spring 2008 Spring 2006 Spring 2005

RESEARCH
ADVISING

- Ellen Price, Summer Undergraduate Research Fellow, Caltech **Summer 2013-Present**
 Project: *How Low Can You Go? The Photoeccentric Effect for Planets of Various Sizes*
 Project: *Characterizing the Hot Kepler Objects of Interest*
 Project: *Tidal Distortions of Ultra-Short Period Rocky Exoplanets*
 Earned second place in the 2013 *Gee Family SURF Poster Competition*
 Now an NSF Graduate Research Fellow and Peirce Prize Fellow at Harvard University
- Howard Chen, UROP Fellow, Boston University **Spring 2014-Fall 2016**
 Project: *Expanding MESA to Simulate Low-Mass Planets with H/He Envelopes*
- Megan Barnett, UC Berkeley Undergraduate Student **Fall 2015-Present**
 Project: *Modeling Re-Inflated Sub-Neptune Planets around Evolved Stars*
- Sabrina Berger, UC Berkeley Undergraduate Student **January 2016-Present**
 Project: *Modeling the thermal expansion of ultra-short period rocky planets*
- Quang Tran, University of Chicago Undergrad Student **October 2016 - Present**
 Project: *Characterizing the Hot Kepler Objects of Interest*
- Andrew Neil, University of Chicago Graduate Student **August 2016 - Present**
 Project: *How does the planet composition distribution depend on host star mass?*

PROFESSIONAL
AFFILIATIONS AND
COLLABORATIONS

- Canadian Astronomical Society/Société Canadienne d'Astronomie (CASCA)
 American Astronomical Society (AAS)
 Division for Planetary Sciences (DPS)
 American Geophysical Union (AGU)
 Member, TESS Target Star Selection Working Group
 Collaborator, WFIRST Coronagraph Science Investigative Team (PI Bruce Macintosh)
 Member, SAMSI Bayesian Characterization of Exoplanet Populations Working Group
 Affiliate Member, *Kepler* Multibody/TTV Working Group
 Member, GHOST precision radial velocity science team
 Member, SPIRou Legacy Survey science team

SELECTED HONORS
AND AWARDS

- NASA Sagan Fellowship**, UC Berkeley **September 2015 - August 2016**
Hubble Fellowship, Caltech **September 2012 - August 2015**
Sponsored Young Researcher, Lindau Nobel Laureate Meeting **June 2012**
NSERC Post-Graduate Scholarship, Massachusetts Institute of Technology **2007-2010**
NSERC Julie Payette Research Scholarship, MIT **2006-2007**
Whiteman Fellowship, Massachusetts Institute of Technology **2006-2007**
Governor General's Silver Academic Medal, University of Ottawa **2006**
University Gold Medal - Faculty of Science, University of Ottawa **2006**
Thomas F. Lapierre Award, University of Ottawa **2006**
Faculty Plaque in Physics, University of Ottawa **2006**
D.K.C. MacDonald Memorial Prize in Physics, University of Ottawa **2006**
Fisher Scientific Scholarship, University of Ottawa **2006**
D.K.C. MacDonald Memorial Award in Physics, University of Ottawa **2004**
NSERC Undergraduate Student Research Award, Mount Allison University **2004**
Meteorological Service of Canada NSERC Supplement, Mount Allison University **2004**
Armen Manooagian Memorial Scholarship, University of Ottawa **2003**
Rector's Scholarship, University of Ottawa **2002-2006**
Queen Elizabeth II Academic Medal, Yarmouth Consolidated Memorial High **2002**
Governor General's Bronze Academic Medal, Yarmouth Consolidated Memorial High **2002**
Lieutenant Governor's Academic Medal, Yarmouth Consolidated Memorial High **2001**

TELESCOPE TIME AWARDED	<p>Co-I, (Heather Knutson, PI) Hubble Space Telescope, Cycle 24: <i>A Search for Methane, Ammonia, and Water on Two Habitable Zone Super-Earths</i>, (78 orbits)</p> <p>Co-I, (Andrew Howard, PI) W.M. Keck Observatory Telescope, NASA TAC (2016A-2017B): <i>Exploring the Compositional Diversity of Small Exoplanets from K2</i>, Keck-1 HIRESr, 40 nights</p> <p>PI, W.M. Keck Observatory Telescope, Caltech TAC (2015B): <i>Measuring the fraction of high and low density close-in exoplanets</i>, Keck-1 HIRESr, 1 night</p> <p>Co-I, (Roberto Sanchis-Ojeda, PI) W.M. Keck Observatory Telescope, NASA TAC (2015B): <i>Measuring the fraction of high and low density close-in exoplanets</i>, Keck-1 HIRESr, 2 nights</p> <p>PI, W.M. Keck Observatory Telescope (2014B): <i>Glimpsing the Origins of the Shortest-Period Earth-Size Planets</i>, Keck-1 HIRESr, 2 nights</p> <p>PI, W.M. Keck Observatory Telescope (2014A): <i>Refining the Fundamental Plane for Sub-Jovian Exoplanets while Searching for Puff-ball Planets</i>, Keck-1 HIRESr, 1 night</p> <p>Co-I, (Simon Albrecht, PI) ESO La Silla Paranal Observatory Period 95: <i>Measuring the internal structures of Close-in Rocky Planets detected by K2</i>, HARPS, 8 nights</p> <p>Co-I, (Simon Albrecht, PI) Nordic Optical Telescope Period 51: <i>Characterizing host stars and transiting planets from the K2 mission</i>, FIES, 6 nights</p>
FUNDED PROPOSALS	<p>PI, NSF FY2016 AAG Solicitation 12-589, <i>Collaborative Research: Masses and architectures of (potentially habitable) exoplanet systems</i>, \$210,159, Sept 1, 2016 – August 31, 2019</p> <p>UChicago Institute-PI, (Eric B. Ford, PI) NASA Exoplanet Research Program: <i>Bulk Properties of Small Transiting Planets and Implications for their Formation</i>, \$47,250, Jan 1, 2015 – Dec 31, 2017</p>
SERVICE	<p>Member, HabEx Science and Technology Definition Team March 2016 - Present</p> <p>Member, SOC, Nexus for Exoplanet System Science Conference September 2016 - Present</p> <p>Member, Hubble Space Telescope Exoplanet Advisory Committee October 2015 - April 2016</p> <p>Member, Canadian Time Allocation Committee September 2014 - September 2017</p> <p>Review Panelist, NASA Astrophysics Data Analysis Program 2015</p> <p>Co-Convener, AGU Fall Meeting Session P2314 on “Planetary magnetic fields” 2014</p> <p>Review Panelist, NASA Astrophysics Theory Program 2014</p> <p>Referee for <i>ApJ</i>, <i>ApJL</i>, for <i>Earth, Moon, and Planets</i>, CanTAC, and for <i>Exoplanets</i> (ed. S. Seager)</p> <p>Proofreader for <i>Exoplanet Atmospheres</i> by Sara Seager and <i>Astrophysical Processes</i> by Hale Bradt</p> <p>Member, Caltech Astronomy Colloquium Committee 2013 - 2014</p> <p>Session Chair, 221st AAS Meeting January 2013</p> <p>Scribe, Bayesian Characterization of Exoplanet Populations Telecons 2013 - Present</p> <p>Organizer, Caltech Exolab Group Meetings 2013 - 2014</p> <p>Mentor, Caltech Women Mentoring Women Program 2012 - 2015</p> <p>Moderator, Caltech Morning astro-ph Discussion 2012 - 2015</p> <p>Co-Organizer, Caltech Planetary Discussion Group (Ge194) 2012 - 2013</p> <p>Panelist, Fellowship Application Tips Panel, CASCA Graduate Student Workshop May 2013</p> <p>Coordinator, MIT Exoplanet Discussion Group 2011 - 2012</p> <p>Peer Mediator, MIT Physics Resources for Easing Friction and Stress 2008 - 2012</p> <p>Co-President, MIT Graduate Women in Physics 2008 - 2012</p> <p>Mentor, MIT Women in Physics Undergraduate-Graduate Mentoring Program 2008 - 2012</p> <p>Co-Organizer, MIT School of Science Poster Contest for Mentoring in Research 2009 - 2010</p> <p>Trustee (Elected), Sidney Pacific Graduate Community 2009 - 2012</p> <p>Chair of the Halls (Elected), Sidney Pacific Executive Council 2008 - 2009</p> <p>Hall Councilor (Elected), Sidney Pacific Graduate Community House Council 2007 - 2008</p> <p>Undergraduate Representative, University of Ottawa Physics Department Council 2003 - 2006</p>
OUTREACH	<p>Workshop Leader, Expanding Your Horizons Symposium for middle school girls March 2017</p> <p>Guest Speaker, UChicago Life Long Learning Speaker Program December 2016</p> <p>Guest Speaker, Talk Nerdy Podcast October 2015</p> <p>Guest Speaker, Pixar Animation Studios, Special Seminar September 2015</p>

Guest Speaker , Yarmouth Rotary Club	August 2014
Volunteer Science Teacher , Pasadena Villa-Park Summer Enrichment Camp	June 2014
Volunteer , Road to Success Academy at Camp Scott Juvenile Detention Facility	Spring 2013
Science from the Source Talk , MIT 150th Anniversary Astronomy Open House	April 2011
Guest Speaker , Mount Allison Astronomy Outreach Night (via video)	June 2010

INVITED SEMINARS AND COLLOQUIA	Physics & Astronomy Colloquium, University of Western Ontario	March 2017
	Enrico Fermi Institute Colloquium, University of Chicago	February 2017
	Astronomy/Geology Colloquium, University of Wyoming	October 2016
	WFIRST Coronagraph Science Investigation Team Meeting, STScI	August 2016
	Bay Area Exoplanet Science Meeting, NASA Ames	June 2016
	STScI Star and Planet Formation Seminar	April 2016
	Canadian Institute of Theoretical Astrophysics (CITA), Seminar	March 2016
	BITS Pilani, BITS Embryo Lecture	February 2016
	University of Central Arkansas, Google Hangout Seminar	February 2016
	University of California at Davis, Geology Seminar	February 2016
	University of British Columbia, Astronomy Colloquium	November 2015
	Notre Dame University, Astrophysics Seminar	October 2015
	Harvard-Smithsonian Center for Astrophysics, Colloquium	October 2015
	Harvard Institute for Theory and Computation, Lunch Seminar	October 2015
	MIT, Planetary Lunch Colloquium Series	September 2015
	Boston University, Astronomy Colloquium	September 2015
	University of California, Los Angeles, iPLEX Lunch Talk	May 2015
	JPL, Exoplanet Seminar	April 2015
	Arizona State University, Astronomy Seminar	March 2015
	McGill University, Astronomy Colloquium	February 2015
	University of California, Berkeley, Astronomy Colloquium	February 2015
	University of Chicago, Astronomy Colloquium	January 2015
	Columbia University, Astronomy Colloquium	January 2015
	KITP Long Program, Opening Seminar	January 2015
	University of Bern, Seminar	November 2014
	University of Cambridge, Exoplanets Seminar	November 2014
	UC Berkeley, CIPS Seminar	November 2014
	Pennsylvania State University, Astronomy Colloquium	October 2014
	University of Arizona, Lunar and Planetary Laboratory Colloquium	October 2014
	University of Illinois Urbana-Champaign, Astronomy Colloquium	October 2014
	Stanford University, KIPAC Tea Talk	September 2014
	LCOGT, Seminar	May 2014
	University of Washington, Astrobiology Colloquium	April 2014
	Caltech, Kliegel Lectures in Planetary Science	April 2014
	Université de Montréal, Astrophysics Colloquium	April 2014
	McGill, Astrophysics Seminar	April 2014
	Harvey Mudd College, Physics Colloquium	January 2014
	Lowell Observatory, Colloquium	December 2013
	Keck Institute for Space Studies, Workshop on Planetary Magnetic Fields	August 2013
	Modern Statistical and Computational Methods for Analysis of Kepler Data, SAMSI	June 2013
	Caltech, TAPIR Seminar	May 2013
	UC Berkeley, Planetary Science Seminar	April 2013
Northwestern University, Astrophysics Colloquium	February 2013	
University of California, Los Angeles, iPLEX Lunch Talk	November 2012	
Max Planck Institute for Astronomy, Lecture	February 2012	
Canadian Institute of Theoretical Astrophysics (CITA), Seminar	January 2012	
Yale University, Seminar	January 2012	
Institute for Advanced Study, Seminar	January 2012	
University of California, Santa Cruz, Lunch Time Astrophysics Seminar	August 2011	
NASA Ames, Center for Exoplanet Studies Seminar	August 2011	
Caltech, Astronomy Lunch Seminar	July 2011	

INVITED
CONFERENCE
TALKS

- 2017 MESA Summer School, Santa Barbara, CA, August 2017
- The Composition of Exoplanets and Exoplanetary Materials*, Gordon Conference on the Origins of Solar Systems, South Hadley, MA, June 2017
- 21st International Conference on Microlensing, Pasadena, CA, February 2017
- Exoplanet Bulk Compositions: Boosting the Dataset Available to Planet Formation Models*, Linking Exoplanet and Disk Compositions, Baltimore MD, September 2016
- Super-Earth Interiors: A vision for the Next Decade*, Exo-Frontiers Kavli Symposium on the Future of Exoplanetary Science, Cambridge, UK, September 2017
- Workshop on Young Solar Systems, 4th Session of the Sant Cugat Forum on Astrophysics, Spain, April 2016
- Current Best Estimates of Planet Populations*, SPIE Defense, Security, & Sensing, Baltimore, MD, April 2016
- How Models of Planet Interior Structure and Evolution Inform the Search for Life*, Nothrop Grumman Search for Life Workshop, Redondo Beach, CA, March 2016
- HST Exoplanet Advisory Committee*, Exoplanet Exploration Program Analysis Group (ExoPAG), Kissimmee, FL, January 2016
- Current Best Estimates of Planet Populations*, SPIE Photonics+Optics, San Diego, CA, August 2015
- Combining transits and RVs to infer the planet mass-radius distribution*, IAU Focus Meeting on “Statistics and Exoplanets,” August 2015
- The Diversity and Demographics of Distant Rocky Worlds*, TIARA Workshop on Astrobiology, ASIAA, Taipei, July 2015
- The Diversity and Demographics of Distant Rocky Worlds*, Biocomplex2015, ASIAA, Taipei, June 2015
- Kavli Institute of Theoretical Physics Conference on “Physics of Exoplanets: From Earth-sized to Mini-Neptunes,” Santa Barbara, CA, February 2015
- The Transition Between Rocky and Gaseous Planets*, Special Session on Short-Period Exoplanets, AAS 225th Meeting, Seattle, WA, January 2015
- The Transition Between Rocky and Gaseous Planets*, “Getting ready for Planetology beyond the Solar System,” Ringberg Castle Workshop, Germany, November 2014
- Glimpsing the Composition Distribution of Sub-Neptune-Size Exoplanets*. “Exoplanets in the Post Kepler Era,” Harvard/SAO CfA, May 2013
- How Precise do we need radii, masses and T_{eff} of M dwarfs to properly characterize planets?* Cool Stars 17 Splinter Session “M Dwarf Stars in the Light of (Future) Exoplanet Searches,” Barcelona, Spain, June 2012, (Invited Speaker and Panelist)

CONTRIBUTED
CONFERENCE
PRESENTATIONS

- (*Student Advised)
- Rogers, L.A.**, *Price, E. (2015) *Exo-Mercury Analogues and the Roche Limit for Close-Orbiting Rocky Planets*. Exoplanets I, Davos, Switzerland.
- Rogers, L.A.** (2015) *How Many Exoplanets Does it Take to Constrain the Origin of Mercury?*. AAS 227th Meeting, Orlando, FL.
- Rogers, L.A.** (2015) *How Many Exoplanets Does it Take to Constrain the Origin of Mercury?*. AGU Fall Meeting, San Francisco, CA. (Poster)
- Rogers, L.A.**, *Price, E. (2015) *Exo-Mercury Analogues and the Roche Limit for Close-Orbiting Rocky Planets*. Extreme Solar Systems III, Waikoloa, HI.
- Rogers, L.A.**, Deck, K., Lissauer, J.J., Carter, J. (2015) *Compositional Constraints on the Best Characterized Rocky Exoplanet, Kepler-36 b*. AAS 225th Meeting, Seattle, WA.

- Rogers, L.A.**, Deck, K., Lissauer, J.J., Carter, J. (2014) *Compositional Constraints on the Best Characterized Rocky Exoplanet, Kepler-36 b*. AGU Fall Meeting, San Francisco, CA. (Poster)
- Rogers, L.A.**, *Price, E., Johnson, J., Shporer, A., Morton, T., Crepp, J., Swift, J., Muirhead, P. (2014) *Characterizing the Hot Kepler Objects of Interest*. Bay Area Exoplanet Meeting, SETI Institute, Mountain View, CA
- Rogers, L.A.**, *Price, E., Johnson, J., Shporer, A., Morton, T., Crepp, J., Swift, J., Muirhead, P. (2014) *Characterizing the Hot Kepler Objects of Interest*. Characterizing Planets Across the HR Diagram, Cambridge, UK
- Rogers, L.A.** (2014) *Most 1.6 Earth-Radius Planets Are Not Rocky*. Characterizing Planets Across the HR Diagram, Cambridge, UK. (Poster)
- Rogers, L.A.** (2014) *Hierarchical Bayesian Models applied to the Planet Mass-Radius-Flux Distribution*. ExoStats2014, Pittsburgh, PA.
- Rogers, L.A.** (2014) *Glimpsing the Composition Distribution of Sub-Neptune-Size Exoplanets*. Exoclines III, Davos, Switzerland. (Poster)
- Rogers, L.A.** (2013) *Glimpsing the Composition Distribution of Sub-Neptune-Size Exoplanets*. Kepler Science Conference II, NASA Ames, CA.
- Rogers, L.A.** (2013) *Characterizing the Demographics of Exoplanet Bulk Compositions*. Division for Planetary Sciences 45th Annual Meeting, Denver, CO.
- Rogers, L.A.** (2013) *Characterizing the Demographics of Exoplanet Bulk Compositions*. “Exploring the Formation and Evolution of Planetary Systems”, IAU Symposium No.299, Victoria, Canada
- Rogers, L.A.** (2013) *Characterizing the Demographics of Exoplanet Bulk Compositions*. CASCA Annual Meeting, Vancouver, Canada.
- Rogers, L.A.** (2013) *Formation, Structure and Habitability of Super-Earth and Sub-Neptune Exoplanets*. AAS 221st Meeting, Long Beach, CA.
- Rogers, L.A.** (2012) *Which Sub-Neptune Exoplanets could have Liquid Water Oceans?* Characterizing and Modeling Extrasolar Planetary Atmospheres, MPIA, Heidelberg, Germany.
- Rogers, L.A.** (2012) *Low-Density Low-Mass Planets*. Modeling Atmospheric Escape Workshop, University of Virginia, Charlottesville, VA.
- Rogers, L.A.**, Seager, S., Sasselov, D., Marcy, G., Isaacson, H., Howard, A. and the *Kepler* Team (2011), *RV Follow-Up of Small Planets from Kepler: Planet Bulk Composition and Interior Structure*. Kepler Science Conference, NASA Ames, CA.
- Rogers, L.A.**, and Seager, S. (2011), *Liquid Water Oceans on Super-Earths*. Extreme Solar Systems II, Moran, WY.
- Rogers, L.A.**, and Schechter, P.L. (2011), *A Visual Guide to Microlensing*. “Exploring Exoplanets with Microlensing” Sagan Exoplanet Summer Workshop, NExSci, CA. (Poster)
- Rogers, L.A.**, Bodenheimer, P., Lissauer, J.J., and Seager, S. (2011), *The Low-Density Limit of the Mass-Radius Relation for Exo-Neptunes*. AAS 218th Meeting, Boston, MA.
- Rogers, L.A.**, and Seager, S. (2010), *GJ 1214b and the Prospects for Liquid Water on Super Earths*. “The Astrophysics of Planetary Systems” IAU Symposium No.276, Torino, Italy.
- Rogers, L.A.**, and Schechter, P.L. (2010), *A Visual Guide to Microlensing*. “The Astrophysics of Planetary Systems” IAU Symposium No.276, Torino, Italy. (Poster)
- Rogers, L.A.**, and Seager, S. (2010), *GJ 1214b and the Prospects for Liquid Water on Super Earths*. “The Delivery of Volatiles & Organics”, STScI, Baltimore, MD.
- Rogers, L.A.**, and Seager, S. (2010), *Constraints on the Interior Compositions of Low-Mass Transiting Exoplanets*. AAS 215th Meeting, Washington, DC.
- Rogers, L.A.**, and Seager, S. (2008), *A Method to Quantify the Uncertainties in the Interior Composition of Super-Earth and Super-Neptune Exoplanets*. Extra-Solar Super-Earths, Nantes, FR.

Rogers, L.A., and Seager, S. (2008), *Exploring the Possible Interior Compositions of Super Earths and Super Neptunes of Measured Mass and Radius*. “Transiting Planets” IAU Symposium No.253, Cambridge, Massachusetts. (Poster)

Rogers, L.A. (2004), *Numerical Ablation Models for High Geocentric Velocity Meteors*. Meteoroids 2004, London, Ontario.

REFEREED
PUBLICATIONS

(*Student Advised)

35. Sinukoff, E., Howard, A.W., Petigura, E.A., and 19 co-authors including **Rogers, L.A.** (2017) *Mass Constraints of the WASP-47 Planetary System from Radial Velocities*. AJ, **153**, 70.
34. Suzuki, D., Bennett, D.P, Sumi, T., Bond, I.A., **Rogers, L.A.**, and 25 coauthors (2016) *The Exoplanet Mass Ratio Function from the MOA-II Survey: Discovery of a Break and Likely Peak at a Neptune-Mass*. ApJ, **833**, 145.
33. *Chen, H. and **Rogers, L.A.** (2016) *Examining the Evolution of Gaseous Sub-Neptune-Mass Planets with MESA*. ApJ, **831**, 180.
32. Van Eylen, V., Albrecht, S., Gandolfi, D. and 31 coauthors including **Rogers, L.A.** *The K2-ESPRINT Project V: a short-period giant planet orbiting a subgiant star*. AJ, **152**, 143.
31. MacDonald, M.G., Ragozzine, D., Fabrycky, D.C. and 10 coauthors including **Rogers, L.A.** *A Dynamical Analysis of the Kepler-80 System of Five Transiting Planets*. AJ, **152**, 105.
30. Wolfgang, A., **Rogers, L.A.**, and Ford, E.B. *Probabilistic Mass-Radius Relationship for Sub-Neptune-Sized Planets*. ApJ, **825**, 19.
29. Beaulieu, J.P., Bennett, D.P., Batista, V., Fukui, A., Marquette, J.-B., Brilliant, S., Cole, A. A., **Rogers, L. A.**, and 10 coauthors. (2016) *Revisiting the microlensing event OGLE 2012-BLG-0026: A solar mass star with two cold giant planets*. ApJ, **824**, 83.
28. Dai, F., Winn, J.N., Albrecht, S. and 21 coauthors including **Rogers, L.A.** (2016) *Doppler Monitoring of Five K2 Transiting Planetary Systems*. ApJ, **823**, 115.
27. Shabram, M., Demory, B.-O., Cisewski, J., Ford, E.B., and **Rogers, L. A.** (2016), *The Eccentricity Distribution of Short-Period Planet Candidates Detected by Kepler in Occultation*. ApJ, **820**, 93.
26. Van Eylen, V., Nowak, G., Albrecht, S., and 19 coauthors including **Rogers, L. A.** (2016), *The K2-ESPRINT Project. II. Spectroscopic Follow-up of Three Exoplanet Systems from Campaign 1 of K2*. ApJ, **820**, 56.
25. Weiss, L., **Rogers, L.A.**, Isaacson, H., Agol, E., Marcy, G.W., Rowe, J., Kipping, D., Fulton, B., Lissauer, J.J., Howard, A.W., and Fabrycky, D., (2015) *Revised Masses and Densities of the Planets around Kepler-10*. ApJ, **819**, 83.
24. Sanchis-Ojeda, R., Winn, J.N., Howard, A.W., Isaacson, H., Marcy, G.W., Petigura, E., Sinukoff, E., Weiss, L., Albrecht, S., Hirano, T., and **Rogers, L.A.** (2015) *A low stellar obliquity for WASP-47, a compact multiplanet system with a hot Jupiter and an ultra-short period planet*. ApJL, **812**, L11.
23. Valsecchi, F., Rappaport, S., Rasio, F.A., Marchan, P., and **Rogers, L.A.** (2015) *Tidally-driven Roche-Lobe Overflow of Hot Jupiters with MESA*. ApJ, **813**, 101.
22. **Rogers, L. A.** (2015), *Most 1.6 Earth-Radii Planets are not Rocky*. ApJ, **801**, 41.
21. *Price, E., **Rogers, L.A.**, Johnson, J., and Dawson, B. (2014), *How Low can you Go? The Photoeccentric Effect for Planets of Various Sizes*. ApJ, **799**, 17.
20. Schmitt, J.R., Agol, E., Deck, K.M., **Rogers, L.A.**, Gazak, J.Z., Fischer, D. A., Wang, J., Holman, M.J., Jek, K.J., Margossian, C., Omohundro, M.R., Winarski, T., Schwamb, M.E., Lintott, C., Lynn, S., Smith, A.M., Parrish, M., Schawinski, K., and Simpson, R. (2014), *Planet Hunters VII. Discovery of a New Low-Mass, Low-Density Planet (PH3 c) with Mass Measurements of Two Additional Planets (PH3 b and d)*. ApJ, **795**, 167.
19. *Price, E. and **Rogers, L. A.**, (2014), *Transit Light Curves with Finite Integration Time: Fisher Information Analysis*. ApJ, **794**, 92.

18. Marcy, G. W., Isaacson, H., Howard, A.W., Rowe, J.F., Jenkins, J.M., Bryson, S.T., Latham, D.W., Howell, S.B., Gautier III, T.N., Batalha, N.M., **Rogers, L.A.**, and 90 coauthors (2014), *Masses, Radii, and Orbits of Small Kepler Planets: The Transition from Gaseous to Rocky Planets*, ApJS, **210**, 20.
17. Rappaport, S., Sanchis-Ojeda, R., **Rogers, L.A.**, Levine, A., and Winn, J.N. (2013), *The Roche Limit for Close-orbiting Planets: Minimum Density, Composition Constraints, and Application to the 4.2 hr Planet KOI 1843.03*, ApJL. **773**, L15.
16. Meibom, S., Torres, G., Fressin, F., Latham, D.W., Rowe, J.F., Ciardi, D.R., Bryson, S.T., Henze, C.H., **Rogers, L.A.**, Janes, K., Barnes, S.A., Marcy, G.W., Isaacson, H., Fischer, D.A., Howell, S.B., Horch, E.P., and Jenkins, J.M. (2013), *The Planet Frequency in Star Clusters from the Discovery of Two Transiting Mini-Neptunes in NGC6811*, Nature. **499**, 55-58.
15. Demory, B.-O., Torres, G., Vasco, N., **Rogers, L.A.**, and 12 coauthors (2013), *Spitzer Observations of GJ 3470 b: A Very Low-density Neptune-size Planet Orbiting a Metal-rich M Dwarf*, ApJ. **768**, 154-162.
14. Gilliland, R.L., Marcy, G.W., Rowe, J.F., **Rogers, L.A.**, and 78 coauthors (2013), *Kepler-68: Three Planets, One With a Density Between that of Earth and Ice Giants*, ApJ. **766**, 40-58.
13. Royas-Ayala, B., Hilton, E.J., Mann, A.W., Lépine, S., Gaidos, E., Bonfils, X., Helling, Ch., Henry, T.J., **Rogers, L.A.**, von Braun, K., and Youdin, A. (2013), *M Dwarf Stars in the Light of (Future) Exoplanet Searches*. Astronomische Nachrichten. **334**, 155-158.
12. Carter, J.A., and 41 coauthors including **Rogers, L. A.** (2012), *Kepler-36: A Pair of Planets with Neighboring Orbits and Dissimilar Densities*, Science. **337**, 556-559.
11. Fressin, F., Torres, G., Rowe, J. F., Charbonneau, D., **Rogers, L. A.**, and 31 coauthors (2011), *Two Earth-size planets orbiting Kepler-20*. Nature, **482**, 195-198.
10. Gautier III, T. M., Charbonneau, D., Rowe, J. F., Marcy, G. W., Isaacson, H., Torres, G., Fressin, F., **Rogers, L. A.**, and 34 coauthors (2012), *Kepler-20: A Sun-like Star with Three Sub-Neptune Exoplanets and Two Earth-size Candidates*. ApJ, **749**, 15-33.
9. Howard, A.W., and 61 coauthors including **Rogers, L. A.** (2012), *Planet Occurrence within 0.25 AU of Solar-type Stars from Kepler*. ApJS. **201**, 15-34.
8. **Rogers, L. A.**, Bodenheimer, P., Lissauer, J. J., and Seager, S. (2011), *Formation and Structure of Low-Density Exo-Neptunes*. ApJ, **738**, 59-74.
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