Curriculum Vitae

Courtney D. Dressing

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Appointments

Assistant Professor, Department of Astronomy, University of California, Berkeley (July 2017 – present)
NASA Sagan Fellow, Division of Geological and Planetary Sciences, California Institute of Technology (September 2015 – June 2017)
Postdoctoral Researcher, Department of Astronomy, Harvard University (summer 2015)

Education

Ph.D. Harvard University (2015, Astronomy & Astrophysics)

Advisor: David Charbonneau
Thesis: "The Prevalence and Compositions of Small Planets"

A.M. Harvard University (2012, Astronomy & Astrophysics)

Advisor: David Charbonneau
Research Exam Project: "The Occurrence Rate of Small Planets Around Small Stars"

A.B. Princeton University (2010, Astrophysical Sciences summa cum laude, Phi Beta Kappa)

Undergraduate Thesis Advisor: Edwin Turner
Thesis: "New Frontiers in Exoplanet Detection: High Contrast Imaging with Subaru"

Research Interests

Searching for potentially habitable exoplanets orbiting nearby stars
Characterizing planet host stars to improve stellar and planetary parameters
Testing models of planet formation by exploring the compositional diversity of small planets
Constraining the frequency of planetary systems orbiting low-mass stars
Investigating the dependence of planet occurrence on stellar and planetary properties

Awards, Prizes, and Honors

Fireman Award for PhD Thesis in Astronomy, Harvard University (2015)
NASA Sagan Fellowship (2015)
Honorable Mention, Protostars & Planets VI Poster Competition (2013)
Harvard University Certificate of Distinction in Teaching (2011, 2012)
National Science Foundation Graduate Research Fellowship (2010–2015)
James Mills Peirce Fellowship, Astronomy Department, Harvard University (2010)
Sigma Xi (2010)
Princeton Manfred Pyka Memorial Prize in Physics (2007)
The Planetary Society $1000 College Scholarship (2006)
Association for Women in Science $1000 College Scholarship (2006)
National Merit Finalist (2005)

Teaching

Advising & Mentoring

Summer Undergraduate Research Fellowship Co-Mentor (2016)
Women Mentoring Women Program at Caltech (2015 – present)
Harvard Astronomy Graduate Student Peer Mentorship Program (2012 – 2014)
Women in Science, Technology, & Engineering at Harvard Mentorship Program (2010 – 2015)

Classroom Experience & Training

Instructor, C249: Planetary Astrophysics (graduate course; University of California, Berkeley, 2017)

Teaching Fellow, Astronomy 16 (introductory astronomy course for majors; Harvard University, 2011 & 2012)

Student, Astronomy 302: Scientists Teaching Science (Harvard University, 2013)

Guest Lectures

7. Astronomy 3, California Institute of Technology, Pasadena, CA, March 1, 2017
6. Wellesley College Summer Colloquium Series, Wellesley College, Wellesley, MA, June 17, 2015
5. TJ Star, Thomas Jefferson High School for Science & Technology, Alexandria, VA, June 9, 2015
4. TJ Star, Thomas Jefferson High School for Science & Technology, Alexandria, VA, May 28, 2014
3. Winsor School, Boston, MA, October 29, 2013
2. Smithsonian Astrophysical Observatory Research Experience for Undergraduates Summer Colloquium Series, Cambridge, MA, August 1, 2013
1. Wellesley College Summer Colloquium Series, Wellesley College, Wellesley, MA, July 10, 2013

Tutoring

Mathematics Tutor, Vassal Lane Upper School, Cambridge School Volunteers (2015)

Princeton Peer Tutor in Physics, Astronomy, and Russian (2007–2010)

SAT and Mathematics Tutor, S2S Advantage (2005)

Outreach

Monthly Speaker, Astronomy Chat, National Air & Space Museum, Washington, D.C. (2013–present)

Docent, Center for Astrophysics Public Observing Nights (2010–2015)

Astrobites co-founder, author, and editor (2011–2013)

> *Astrobites is a daily blog written by astronomy graduate students aimed primarily at undergraduates. Astrobites articles include summaries of current research articles, interviews with senior scientists, descriptions of life as an astronomy graduate student and advice for undergraduates.*

Astrobites Author Recruitment Committee (chair 2012–2013, member 2012–2015)

Princeton University Alumni Schools Committee Interviewer (2011–2014)

NASA Academy Reviewer & Interviewer, (2009–2013)

Volunteer, Smithsonian IncTech Summer Workshop, Cambridge, MA (2013)

Cambridge Science Festival volunteer, Cambridge, MA (2011, 2012)

Panelist & volunteer, Mars and Beyond, Museum of Science, Boston, MA (2012)

Professional Activities & Service

Voting Member, Large UV/Optical/near-Infrared Telescope (LUVOIR) Science & Technology Definition Team (2016 – present)

Instrument Lead, Optical/NIR Multi-Resolution Spectrograph for LUVOIR (2016 – present)

Member & LUVOIR Representative, Exoplanet Standards Team (2016 – present)

Member, TESS Target Selection Working Group & M Dwarf Target Selection Subgroup (2015 – present)

Referee for ApJ, ApJL, & A&A (2012–present)

Proposal reviewer for NASA Earth and Space Science Fellowship Program (2016)

Proposal reviewer for CFHT (2015)

Co-organizer, Pasadena-Area Astronomy Postdoc Retreat 2016 & 2017 (2015 – present)

Co-organizer, Planetary Discussion Group, Caltech (2015 – 2016)

External Reviewer, Kepler Planet Occurrence Hack Week (October, 2015)

Undergraduate Poster Judge at AAS (2012–present)

Organizing Committee Member: *Communicating Science 2013 & 2014* (2012–2014)

Invited Conference Talks

16. "TESSting Theories of the Structure & Evolution of Planetary Systems," TASC3/KASC10, University of Birmingham, United Kingdom, July 16-21, 2017
15. "How Common are Potentially Habitable Planets Orbiting Nearby Stars?," Breakthrough Discuss, Stanford University, Palo Alto, CA, April 20-21, 2017
14. "Exoplanetary Investigations with HST & JWST," Science with HST & JWST V, Venice, Italy, March 20-24, 2017
13. "Characterizing Planetary Systems Orbiting Low-mass Stars," Fellows at the Frontiers, Northwestern University, Evanston, IL, September 2, 2016
12. "The Mass-Radius Diagram and the Population of M Dwarf HZ Planets," Opportunity M, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, August 29, 2016
11. "Survey of Transit Surveys: From Kepler and K2 to TESS and PLATO," Sagan Exoplanet Summer Workshop, California Institute of Technology, Pasadena, CA, July 22, 2016
10. "The Galactic Menagerie of Planetary Systems," Kavli Frontiers of Science, 27th Annual US Symposium, Irvine, CA, November 5, 2015
9. "Planets Orbiting Nearby Bright Stars," K2SciCon, Santa Barbara, CA, November 3, 2015
8. "Transit Surveys," Sagan Exoplanet Summer Workshop, California Institute of Technology, Pasadena, CA, July 29, 2015
7. "The Occurrence Rate of Potentially Habitable Planets Orbiting M Dwarfs," Planetary Systems: A Synergistic View, International Centre for Interdisciplinary Science Education, Quy Nhon, Vietnam, July 21, 2015
6. "The Frequency & Detectability of Small Planets Orbiting Small Stars," Chicago, IL, August 25, 2014
5. "M Dwarfs as Targets for JWST," JWST Transit Planning Meeting, Pasadena, CA, March 12, 2014
4. "Earth Analog Statistics," Second Kepler Science Conference, NASA Ames Research Center, November 4, 2013
3. "Estimating the Frequency of Potentially Habitable Planets with Kepler," ExoPAG 8, Denver, CO, October 6, 2013
2. "The Occurrence Rate of Small Planets Around Cool Stars," Women in Aerospace Symposium, MIT, Cambridge, MA, 2012
1. "Using the Kepler February 2011 Data Release to Estimate the Frequency of Planets," Statistics of the Exoplanet Population in the Kepler Era (invited workshop), All Souls College, Oxford, England, 2011

Invited Colloquia & Seminars

14. Steward Observatory/NOAO Joint Colloquium Series, Tucson, AZ, September 14, 2017
13. Cornell University Astronomy Colloquium, Ithaca, NY, November 3, 2016
12. University of Illinois at Urbana-Champaign Astronomy Colloquium, Urbana-Champaign, IL, October 4, 2016
11. Carnegie Observatories Colloquium, Pasadena, CA, September 20, 2016
10. California State University Physics Colloquium, Los Angeles, CA, June 2, 2016
9. UC Santa Cruz Astronomy Colloquium, CA, April 6, 2016
8. UC Berkeley Astronomy Colloquium, CA, January 28, 2016
7. Princeton University Exoplanets Seminar, Princeton, NJ, December 7, 2015
6. UC Los Angeles Astrophysics Colloquium, CA, November 18, 2015
5. UC San Diego Astrophysics Seminar, CA, October 28, 2015
4. University of Hawaii Seminar, Manoa, HI, February 10, 2015
3. University of Toronto CITA Seminar, Toronto, CA, January 29, 2015
2. Harvard Origins of Life Initiative Chalk Talk, Cambridge, MA, March 6, 2014
1. Geneva Observatory Seminar, Geneva, Switzerland, November 15, 2013

Contributed Talks

22. "Using K2 to Investigate Planetary Systems Orbiting Cool Dwarfs," Transiting Exoplanets, Keele University, United Kingdom, July 17-21, 2017
21. "Characterizing K2 Planetary Systems Orbiting Cool Dwarfs," Kepler & K2 Science Conference IV, NASA Ames Research Center, Moffett Field, CA, June 19-23, 2017
20. "Characterizing K2 Planetary Systems Orbiting Cool Dwarfs," AAS 229, Grapevine, TX, January 3-7, 2017
19. "Using K2 to Investigate Planetary Systems Orbiting Low-Mass Stars," DPS 48/EPSC 11, Pasadena, CA, October 19, 2016
18. "Detecting & Characterizing Potentially Habitable Planets with the Large Ultraviolet/Optical/near Infrared Telescope," ExSoCal, Pasadena, CA, September 23, 2016
17. "Characterizing Low-mass Stars and Their Planets," Exoclimes, Squamish, Canada, August 2, 2016
16. "Detecting & Characterizing Small Planets Orbiting Small Stars: From *Kepler* to K2 and on to TESS!," Exoplanets 1, Davos, Switzerland, July 4, 2016
15. "Spitzer to the Rescue! Improved Ephemerides Preserve K2 Planets for Future Studies with JWST," AAS Meeting 228, San Diego, CA, June 13, 2016
14. "Constraining the Properties of Small Stars and Small Planets Observed by K2," AAS Meeting 227, Kissimmee, FL, January 5, 2016
13. "The Occurrence Rate and Composition of Small Planets Orbiting Small Stars," Extreme Solar Systems III, Waikoloa Village, HI, December 4, 2015
12. "Characterizing Small Planets Orbiting Small Stars," ExSoCal: An Exoplanet Orbital Interaction, Pasadena, CA, September 25, 2015
11. " The Occurrence Rate and Composition of Small Planets," Sagan Fellows Symposium, Pasadena, CA, May 7, 2015
10. "The Frequency of Habitable Planets Around Small Stars and the Characterization of Planets Orbiting Bright Kepler Targets," AAS Meeting 225, Seattle, WA, January 8, 2015
9. "The Prevalence of Small Planets Around Small Stars from Kepler," Towards Other Earths II: The Star-Planet Connection, Porto, Portugal, September 15–19, 2014
8. "Prospects for Detecting Planets Around Stars Across the Main Sequence Based on Updated Planet Occurrence Rates from Kepler," Characterizing Planetary Systems Across the HR Diagram, Cambridge, MA, July 28–August 1, 2014
7. "How Close are the Nearest Exoplanet Systems? Updated Planet Occurrence Rates from Kepler and Implications for TESS," AAS Meeting 224, Boston, MA, June 1–5, 2014
6. "Updating the M Dwarf Planet Occurrence Rate by Injecting and Detecting Transits in Kepler Light Curves," AAS Meeting 223, National Harbor, MD, January 5–9, 2014
5. "The Occurrence Rate of Small Planets Around Small Stars from Kepler," Exoplanets in Multi-body Systems in the Kepler Era, Aspen, CO, February 9–15, 2013
4. "The Occurrence Rate of Small Planets Around Cool Stars from Kepler," AAS Meeting 221, Long Beach, CA, January 6–10, 2013
3. "The Occurrence Rate of Habitable Planets Around M-dwarfs: Limits from Kepler," IAU Symposium 293: Formation, Detection, and Characterization of Extrasolar Habitable Planets, Beijing, China, August 27–31, 2012
2. "Limits from Kepler and the MEarth Project on the Occurrence Rate of Super-Earths and Neptunes around M Dwarfs," Kepler Science Conference, Mountain View, CA, December 5–9, 2011
1. "Using the Kepler February 2011 Data Release to Estimate the Frequency of Planets," AbGradCon11, Bozeman, MT, June 4–9, 2011

Public Invited Talks

8. International Space University Space Studies Program, Cork, Ireland, July 27, 2017
7. Astronomy on Tap, Pasadena, CA, May 15, 2017
6. Astronomy on Tap, Evanston, IL, September 1, 2016
5. Camp de Benneville Pines, Angelus Oaks, CA, August 27, 2016
4. American Astronomical Society Meeting #224, Boston, MA, June 3, 2014
3. CfA Public Observing Night, Cambridge, MA, November 21, 2013
2. National Air & Space Museum Smithsonian's Stars Lecture Series, Washington, D.C., October 19, 2013
1. Starfest 2013, Paxton, MA, July 27, 2013

Posters

15. **C. D. Dressing** et al. 2015. "The Compositions of Small Planets and their Host Stars." Extreme Precision Radial Velocity Workshop, New Haven, Connecticut
14. **C. D. Dressing** & D. Charbonneau, 2015. "The Prevalence and Compositions of Small Planets." Harvard Origins of Life Symposium, Cambridge, MA
13. B. Montet, N. Chisari, J. Donaldson, **C. D. Dressing** et al. 2014. "Updates from Astrobites: The Astro-ph Reader's Digest." AAS Meeting 223, 445.13
12. **C. D. Dressing** & D. Charbonneau, 2013. "Inferring the Rate of Planet Occurrence by Injecting and Detecting Transits in the *Kepler* Light Curves of M Dwarfs." Protostars & Planets VI, Heidelberg, Germany
11. N. Brickhouse, A. Preston, A. Szentgyorgyi, **C. D. Dressing**, M. Lopez-Morales, 2013. "Searching Chile's Night Sky for Other Earths." Encuentros 2013, Boston, MA
10. M. Drout, J .A. Vasel, **C. D. Dressing**, D. Gifford, C. Morley, S. Hall, E. R. Newton, Astrobites Team, 2013. "Astrobites: The Astro-ph Reader's Digest For Undergraduates." AAS Meeting 221, 255.11
9. **C. D. Dressing** & D. Charbonneau, 2012. "The Occurrence Rate of Habitable Planets Around M Dwarfs from Kepler." Cool Stars 17, Barcelona, Spain
8. **C. D. Dressing** & D. Charbonneau, 2011. "Using the Kepler February 2011 Data Release to Estimate the Frequency of Planets." Extreme Solar Systems II, Jackson Hole, WY
7. **C. D. Dressing**, 2011. "Using the Kepler February 2011 Data Release to Estimate the Frequency of Planets." AAS Meeting 218, 227.01
6. N. Sanders, E. R. Newton, I. Czekala, K. Rosenfeld, **C. D. Dressing**, D. Gifford, J. Suresh, E. Schneider, C. Morley, S. Kohler, 2011. "Astrobites: The Astro-ph Reader's Digest For Undergraduates." AAS Meeting 218, 333.11
5. **C. D. Dressing**, D. S. Spiegel, C. A. Scharf, K. Menou, S. Raymond, 2010. "Habitable Climates: The Influence of Eccentricity." Astrobiology Graduate Conference. Tällberg, Sweden
4. **C. D. Dressing**, M. McElwain, E. Turner, G. Knapp, SEEDS Collaboration. 2010. "Angular Differential Imaging at the Subaru Telescope." AAS Meeting 215, 421.01
3. E. Z. Noe Dobrea, **C. D. Dressing**, M. J. Wolff, 2009. "A New Method for Atmospheric Correction of MRO/CRISM Data." American Astronomical Society, Division of Planetary Sciences Meeting Abstracts, 41, 57.04
2. P. I. Ukstins, N. A. Cabrol, & coauthors including **C. D. Dressing** 2009. "Mechanisms for Planetary Spherule Formation and Alteration: Salar Grande, Chile – An Example of Volcanic/Aqueous Processes Interactions." 40th Lunar and Planetary Science Conference, 40, 1435.
1. **C. D. Dressing**, J. Andros, H. Kashdan, J. Zimbelman, L. A. Hennig, 2006. "Transverse Aeolian Ridges Observed at Pressure Extremes Within the Martian Atmosphere." 37th Lunar and Planetary Science Conference, 37, 1740.

Observing Experience

2.4-meter Automated Planet Finder (Levy), Mt. Hamilton, CA: 6 nights awarded in 2017B

3.0-meter NASA Infrared Telescope Facility (SpeX), Mauna Kea, HI: 29 nights (+5 nights left in 2017B)

3.6-meter Telescopio Nazionale Galileo (HARPS-N), La Palma, Canary Islands, Spain: 15 nights

200-inch (5.1-meter) Palomar Hale Telescope (TripleSpec), Palomar, CA: 15 nights (+3 nights left in 2017B)

200-inch (5.1-meter) Palomar Hale Telescope (PHARO), Palomar, CA: 3 nights

6.5-meter Multiple Mirror Telescope (ARIES), Mt. Hopkins, AZ: 6 nights

8.2-meter Subaru Telescope (HiCIAO), Mauna Kea, HI: assisted with 3 nights

10-meter Keck Telescope (HIRES), Mauna Kea, HI: assisted with 1 night

Refereed Publications (7 first author, 38 total)

38. P. Muirhead, **C. D. Dressing**, A. W. Mann, et al., "A Catalog of Cool Dwarf Targets for the Transiting Exoplanet Survey Satellite," 2017, *submitted to AAS Journals*
37. R. J. Siverd, K. A. Collins, G. Zhou & 45 coauthors including **C. D. Dressing**, "KELT-19Ab: A P4˜.6 Day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion," 2017, *submitted to AAS Journals*
36. E. Petigura, I. J. M. Crossfield, H. Isaacson & 10 coauthors including **C. D. Dressing**, "Planet Candidates from K2 Campaigns 5–8 and Follow-up Optical Spectroscopy," 2017, *submitted to AAS Journals*
35. **C. D. Dressing**, A. Vanderburg, J. E. Schlieder, et al., "Characterizing K2 Candidate Planetary Systems Orbiting Low-Mass Stars II: Planetary Systems Observed During Campaigns 1–7," 2017, *accepted to The Astrophysical Journal*, arXiv:1703.07416
34. J. L. Christiansen & 57 coauthors including **C. D. Dressing**, "Three's Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets," 2017, *AJ*, 154, 122
33. E. Sinukoff, A. W. Howard, E. A. Petigura, & 20 coauthors including **C. D. Dressing**, "K2-66b and K2-106b: Two Extremely Hot Sub-Neptune-size Planets with High Densities," 2017, *AJ*, 153, 271
32. I. J. M. Crossfield, D. R. Ciardi, H. Isaacson, & 21 coauthors including **C. D. Dressing**, "Two Small Transiting Planets and a Possible Third Body Orbiting HD 106315," 2017, *AJ*, 153, 255
31. L. Malavolta, L. Borsato, V. Granata & 36 coauthors including **C. D. Dressing**, "The Kepler-19 System: A Thick-envelope Super-Earth with Two Neptune-mass Companions Characterized Using Radial Velocities and Transit Timing Variations," 2017, *AJ*, 153, 224
30. J. A. Dittmann, J. M. Irwin, D. Charbonneau & 21 coauthors including **C.D. Dressing**, "A temperate rocky super-Earth transiting a nearby cool star," 2017, *Nature*, 544, 333
29. A. O. Martinez, I. J. M. Crossfield, J. E. Schlieder, **C. D. Dressing** et al., "Stellar & Planetary Parameters for K2's M Dwarf Systems from C1 to C5," 2016, *The Astrophysical Journal*, 837, 72
28. **C. D. Dressing**, E. R. Newton, D. Charbonneau, J. E. Schlieder, H. A. Knutson, & A. Vanderburg, "Characterizing K2 Candidate Planetary Systems Orbiting Low-Mass Stars I: Classifying Low-mass Host Stars Observed During Campaigns 1–7," 2017, *The Astrophysical Journal*, 836, 2
27. E. Furlan, D. R. Ciardi, M. E. Everett, & 16 coauthors including **C. D. Dressing**, "The *Kepler* Follow-up Observation Program. I. A Catalog of Companions to Companion Stars from High-Resolution Imaging," 2017, *The Astrophysical Journal*, 836, 167
26. E. Sinukoff, A. W. Howard, E. A. Petigura, & 19 coauthors including **C. D. Dressing**, "Mass Constraints of the WASP-47 Planetary System from Radial Velocities," 2017, *AJ*, 153, 70
25. B. Benneke, M. Werner, E. A. Petigura, H. Knutson, **C. D. Dressing**, & 11 coauthors, "Spitzer Observations Confirm and Rescue the Habitable-Zone Super-Earth K2-18B for Future Characterization," 2016, *The Astrophysical Journal*, 834, 187
24. M. Lopez-Morales, R. D. Haywood, J. L. Coughlin & 36 coauthors including **C. D. Dressing**, "Kepler-21b: A Rocky Planet Around a V = 8.25 Magnitude Star," 2016, *The Astrophysical Journal*, 152, 204
23. L. Buchhave, **C. D. Dressing**, X. Dumusque, & 34 coauthors, "A 1.9 Earth Radius Rocky Planet and the Discovery of a Non-Transiting Planet in the Kepler-20 System," 2016, *The Astrophysical Journal*, 152, 160

22. B. L. Ehlmann & 46 coauthors including **C. D. Dressing**, "The Sustainability of Habitability on Terrestrial Planets: Insights, Questions, and Needed Measurements from Mars for Understanding the Evolution of Earth-like Worlds," 2016, *Journal of Geophysical Research: Planets*, 121, 1927
21. I. J. M. Crossfield, D. R. Ciardi, E. A. Petigura, & 40 coauthors including **C. D. Dressing**, "200 Candidates and 100 Validated Planets in K2's First Five Fields," 2016, *The Astrophysical Journal Supplement Series*, 226, 7
20. E. Sinukoff, A. W. Howard, E. A. Petigura, & 14 coauthors including **C. D. Dressing**, "Eleven Multi-planet Systems from K2 Campaigns 1 & 2 and the Masses of Two Hot Super-Earths," 2016, *The Astrophysical Journal*, 827, 78
19. S. Gettel, D. Charbonneau, **C. D. Dressing**, et al. "The Kepler-454 System: A Small, Not-rocky Inner Planet, a Jovian Planet, and a Distant Companion," 2015, *The Astrophysical Journal*, 816, 95
18. F. Motalebi, S. Udry, M. Gillon, & 36 coauthors including **C. D. Dressing**, "The HARPS-N Rocky Planet Search I. HD219134b: A transiting rocky planet in a multi-planet system at 6.5 pc from the Sun," 2015, *Astronomy & Astrophysics*, 584, A72
17. P. W. Sullivan, J. N. Winn, Z. K. Berta-Thompson & 10 coauthors including **C. D. Dressing**, "The Transiting Exoplanet Survey Satellite: Simulations of Planet Detections and Astrophysical False Positives," 2015, *The Astrophysical Journal*, 809, 77
16. **C. D. Dressing** & D. Charbonneau, "Refining the Occurrence Rate of Small Planets Around Small Stars by Injecting & Detecting Transiting Planets in *Kepler* Light Curves," 2015, *The Astrophysical Journal*, 807, 45
15. **C. D. Dressing**, D. Charbonneau, X. Dumusque, et al. "The Mass of Kepler-93b and the Composition of Terrestrial Planets," 2015, *The Astrophysical Journal*, 800, 135
14. C. Beichman, B. Benneke, H. Knutson, & 44 coauthors including **C. D. Dressing**, "Observations of Transiting Exoplanets with the James Webb Space Telescope (JWST)," 2014, *Publications of the Astronomical Society of the Pacific*, 126, 1134
13. A. S. Bonomo, A. Sozzetti, C. Lovis, & 32 coauthors including **C. D. Dressing**, "Characterization of the Kepler-101 planetary system with HARPS-N. A hot super-Neptune with an Earth-sized low-mass companion," 2014,*Astronomy & Astrophysics*, 572, AA2
12. G. R. Ricker, J. N. Winn, R. Vanderspek, & 55 coauthors including **C. D. Dressing**, "Transiting Exoplanet Survey Satellite (TESS)," 2015, J. Astron. Telesc. Instrum. Syst., 1(1), 014003. doi:10.1117/1.JATIS.1.1.014003.
11. **C. D. Dressing**, E. R. Adams, A. K. Dupree, C. Kulesa, & D. McCarthy, "Adaptive Optics Images III: 87 Kepler Objects of Interest," 2014, *The Astronomical Journal*, 148, 78
10. X. Dumusque, A. S. Bonomo, R. D. Haywood, & 31 coauthors including **C. D. Dressing**, "The Kepler-10 Planetary System Revisited by HARPS-N: A Hot Rocky World and a Solid Neptune-Mass Planet," 2014, *The Astrophysical Journal*, 789, 154
9. T. Brandt, M. Kuzuhara, M. W. McElwain, & 52 coauthors including **C. D. Dressing**, "The Moving Group Targets of the SEEDS High-contrast Imaging Survey of Exoplanets and Disks: Results and Observations from the First Three Years," 2014, *The Astrophysical Journal*, 786, 1
8. F. Pepe, A. Collier Cameron, D. W. Latham, & 31 coauthors including **C. D. Dressing**, "An Earth-size Planet with an Earth-like Density," 2013, *Nature*, 503, 377
7. **C. D. Dressing** & D. Charbonneau, "The Occurrence Rate of Small Planets Around Small Stars," 2013, *The Astrophysical Journal*, 767, 95
6. F. Fressin, G. Torres, D. Charbonneau, S. T. Bryson, J. Christiansen, **C. D. Dressing**, J. M. Jenkins, L. M. Walkowicz, N. M. Batalha, "The False Positive Rate of Kepler and the Occurrence of Planets," 2013, *The Astrophysical Journal*, 766, 81
5. F. Fressin, G. Torres, J. F. Rowe, & 33 coauthors including **C. D. Dressing**, "Two Earth-sized planets orbiting Kepler-20," 2012, *Nature*, 482, 195F
4. S. B. Howell, J. F. Rowe, S. T. Bryson, & 64 coauthors including **C. D. Dressing**, "Kepler-21b: A 1.6 REarth Planet Transiting the Bright Oscillating F Subgiant Star HD 179070," 2012, *The Astrophysical Journal*, 746, 126H

3. W. J. Borucki, D. G. Koch, N. Batalha, & 81 coauthors including **C. D. Dressing**, "Kepler-22b: A 2.4 Earth-radius Planet in the Habitable Zone of a Sun-like Star," 2012, *The Astrophysical Journal*, 745, 120b
2. D. S. Spiegel, S. Raymond, **C. D. Dressing**, C. A. Scharf, J. L. Mitchell, "General Milankovitch Cycles: A Novel Way to Exit a Snowball State," 2010, *The Astrophysical Journal*, 721, 1308
1. **C. D. Dressing**, D. S. Spiegel, C. A. Scharf, K. Menou, S. Raymond, "Habitable Climates: The Influence of Eccentricity," 2010, *The Astrophysical Journal*, 721, 1295

Papers in Preparation

1. **C. D. Dressing**, E. Sinukoff, B. J. Fulton, et al., "Characterizing K2 Candidate Planetary Systems Orbiting Low-Mass Stars III: A High Mass & Low Envelope Fraction for the Warm Neptune K2-55b," 2017, *in preparation for submission to The Astrophysical Journal*

Employment

NASA Undergraduate Student Research Program at JPL (2009)
NASA Academy Research Associate at Ames Research Center (2008)
Challenger Learning Center of Greater Washington (2006)
Federation of Galaxy Explorers (2006)
NASA Summer High School Apprenticeship Research Program at Goddard (2005)

References available upon request.

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