

CURRICULUM VITAE
Courtney D. Dressing

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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)

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

APPOINTMENTS

Assistant Professor, Department of Astronomy, University of California, Berkeley (2017–present)

NASA Sagan Fellow, Division of Geological and Planetary Sciences, California Institute of Technology (2015–2017)

Postdoctoral Researcher, Department of Astronomy, Harvard University (Summer 2015)

Research Interests

Searching for potentially habitable exoplanets orbiting nearby stars.

Characterizing planetary systems and their host stars.

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.

Selected Awards, Prizes, and Honors

Hellman Fellow, Hellman Family Faculty Fund (2019)

Sloan Research Fellow, Alfred P. Sloan Foundation (2019)

NASA Group Achievement Award to the LUNAR Science & Technology Definition Team (2019)

Scialog Fellow, Research Corporation for Science Advancement & Heising-Simons Foundation (2018)

Fireman Award for PhD Thesis in Astronomy, Harvard University (2015)

NASA Sagan Fellowship (2015)

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)

Princeton Manfred Pyka Memorial Prize in Physics (2007)

Successful NASA Proposals

As Principal Investigator:

K2 Guest Observer Program Cycle 6, “The K2 M Dwarf Project”

K2 Guest Observer Program Cycle 6, “Characterizing Small Planets with the HARPS-N Spectrograph”

TESS Guest Investigator Program Cycle 1, “Differential Planet Occurrence Rates for Cool Dwarfs”

As Co-Investigator & Berkeley PI:

ADAP (PI: Akeson), “Towards a Comprehensive Understanding of Planet Occurrence Rates: Extending the Kepler Legacy Across a Wide Stellar Parameter Space with K2” (PI: Akeson)

K2 Guest Observer Program Cycle 5 (PI: Charbonneau), “Characterizing Small Planets with the HARPS-N Spectrograph”

Advising & Teaching

Postdoctoral Fellows

Marta Bryan (51 Peg b Fellow at UCB; September 2018–present)

Graduate Students

Jordan Fleming (3rd yr at UCB; began advising in February 2018)

Steven Giacalone (3rd yr at UCB; began advising in October 2017)

Andrew Mayo (2nd yr at UCB; began advising in August 2018)

Ellianna Schwab Abrahams (2nd yr at UCB; began advising in August 2018)

Charles Fortenbach (began advising in May 2017; earned MA in Physics from SFSU in December 2018)

Thesis: “A Framework for Optimizing Exoplanet Targets for *JWST*”

Undergraduate Students

Elliot Cantor (UCB; September 2017–present)

Shashank Dholakia (UCB; May 2018–present)

Shishir Dholakia (UCB; May 2018–present)

Makena Fetzner (UCB; September 2017–present)

Lauren Koch (UCB; October 2017–present)

Arjun Savel (UCB; February 2017–present)

Alexander Ye (UCB; September 2017–July 2019)

Girish Duvvuri (Caltech SURF 2016; co-advised with Heather Knutson)

Hieu Nguyen (recent graduate from UCB; 2017–2018)

Mentorship Programs

Cal-bridge North Mentor (2018–present)

Women Mentoring Women Program at Caltech (2015–2017)

Harvard Astronomy Graduate Student Peer Mentorship Program (2012–2014)

Women in Science, Technology, & Engineering at Harvard Mentorship Program (2010–2015)

Classroom Experience & Training

Instructor, C12: The Planets (undergraduate course for non-majors, UCB, Spring 2018 & 2019)

Instructor, C249: Planetary Astrophysics (graduate course, UCB, Fall 2017 & 2018)

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

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

Professional Activities & Service

Missions

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

Member & LUVOIR Representative, Exoplanet Standards Team (2016–2018)

Member, Transiting Exoplanet Survey Satellite (TESS) Follow-Up Working Group (2018–present)

Member, TESS Target Selection Working Group (2015–present)

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

Conferences & Meetings

Scientific Organizing Committee Member, *Rocky Planets in the Era of JWST: Theory and Observation* (2019)

Scientific Organizing Committee Member, *Celebrating the Legacy of the Spitzer Space Telescope* (2019)

Scientific Organizing Committee Member, *TESS Science Conference* (2018–2019)

Scientific Organizing Committee Member, *Extreme Solar Systems IV* (2018–2019)

Scientific Organizing Committee Member, *New Horizons in Planetary Systems* (2018–2019)

Organizing Committee Member, *Bay Area Exoplanet Meeting* (2017–present)

Scientific Organizing Committee Member, *Sagan Summer Workshop* (2017–2018)

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

Co-organizer, *Planetary Discussion Group*, Caltech (2015–2016)
 Organizing Committee Member: *Communicating Science 2013 & 2014* (2012–2014)

Time Allocation Committees (Various Years)

Member, APF TAC for University of California Observatories
 Proposal reviewer for NASA *Hubble Space Telescope*
 Proposal reviewer for NASA *Spitzer Space Telescope*
 Member, Keck Galactic TAC for UC Observatories
 Chair, NASA WIYN TAC for the National Optical Astronomy Observatory
 Member, NASA WIYN TAC for the National Optical Astronomy Observatory
 Proposal reviewer for CFHT (2015)

University Committees

Chair, 51 Pegasi b Nominee Selection Committee, UCB (2018, 2019)
 Member, Graduate Admissions Committee, UCB Astronomy (2017–present)
 Member, Departmental Miller Postdoctoral Fellowship Review Committee, UCB Astronomy (2017, 2018)
 Member, Faculty Advisory Committee to the Lawrence Hall of Science (2018–present)

Reviews

Proposal reviewer for NASA ADAP (various years)
 Report reviewer for National Academies of Science, Engineering, and Medicine (2017, 2018)
 Proposal reviewer for NASA Earth and Space Science Fellowship Program (various years)
 Referee for AJ, ApJ, ApJL, A&A, & MNRAS (2012–present)
 Undergraduate Poster Judge at AAS (2012–present)
 External Reviewer, Kepler Planet Occurrence Hack Week (2015)

Professional Affiliations

Member, American Astronomical Society, Division of Planetary Sciences (2015–present)
 Member, HARPS-N Science Team (2013–present)
 Junior Member, American Astronomical Society, Division of Planetary Sciences (2009–2015)

Invited Conference Talks

33. “Exo-Earths: Discovery, Demographics, & Characterization,” Sagan Exoplanet Summer Workshop, California Institute of Technology, Pasadena, CA, July 17, 2019
32. “M Dwarf Planets: Present and Future,” Planet-Star Connections in the Era of TESS and Gaia, Kavli Institute for Theoretical Physics, University of California Santa Barbara, Santa Barbara, CA, May 24, 2019
31. “Spotlight Talk: Exoplanets,” The Space Astrophysics Landscape for the 2020s and Beyond, Potomac, MD, April 1, 2019
30. “Probing the Frequency of Planetary Systems with Kepler and K2,” Kepler & K2 Science Conference V, Glendale, CA, March 4, 2019
29. “LUVOIR: Telling the Story of Life,” AAS 233, Seattle, WA, January 8, 2019
28. “Probing Exoplanet Populations with Kepler and Microlensing,” AAS 233, Seattle, WA, January 8, 2019
27. “The First Exoplanets Found by TESS,” AAS 233, Seattle, WA, January 7, 2019
26. “Ranking Exoplanet Habitability,” A Roadmap for Universal Life, Leiden, NL, November 2, 2018
25. “Searching for Pale Blue Dots: The Quest for Habitable Exoplanets,” Plenary Talk at the 50th Meeting of the Division for Planetary Sciences, Knoxville, TN, October 24, 2018
24. “Probing the Compositions of Small Planets with Keck, Kepler/K2, and TESS,” Keck Science Meeting, Pasadena, CA, September 21, 2018
23. “Validation of Transiting Systems,” Defining the Landscape for Precision Radial Velocity Science in the 2018-2028 Time Frame (invited workshop), Pasadena, CA, August 8, 2018
22. “Exoplanet Distributions for Cool Stars,” ExoPAG 18, Cambridge, MA, July 29, 2018

21. “M Dwarfs: the Treasure Trove of Planets,” *Astrophysical Frontiers in the Next Decade and Beyond: Planets, Galaxies, Black Holes, and the Transient Universe*, Portland, OR, June 26, 2018
20. “Exoplanet Instrumentation for the GSMTs,” *National Optical Astronomical Observatory Community Needs for Science in the 2020s*, Tucson, AZ, February 21, 2018
19. “Exoplanet Science in the 2020s,” *National Optical Astronomical Observatory Community Needs for Science in the 2020s*, Tucson, AZ, February 20, 2018
18. “Occurrence and Frequency Rates of Exoplanetary Systems,” *Know Thy Star–Know Thy Planet*, Pasadena, CA, October 10, 2017
17. “Exploring Planetary Systems Orbiting Cool Dwarfs,” *Bay Area Exoplanet Meeting*, NASA Ames, Mountain View, CA, September 22, 2017
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

24. *Physics & Astronomy Colloquium*, Sonoma State University, Sonoma, CA, September 23, 2019
23. *Astronomy Colloquium*, Yale University, New Haven, CT, September 19, 2019
22. *Astrophysics Colloquium*, Stanford University, Palo Alto, CA, June 30, 2019
21. *Astronomy Colloquium*, University of Texas at Austin, Austin, TX, February 12, 2019
20. *Astronomy Colloquium*, San Francisco State University, San Francisco, CA, December 10, 2018
19. *Astronomy Department Colloquium*, The Ohio State University, Columbus, OH, November 15, 2018

18. JPL Astrophysics & Heliophysics/Space Physics Colloquium, NASA Jet Propulsion Laboratory, Pasadena, CA, November 8, 2018
17. Astronomy Department Seminar, City College of San Francisco, San Francisco, CA, March 14, 2018
16. Astronomy Colloquium, NRC-Herzberg, Victoria, Canada, November 7, 2017
15. Astronomy Department Colloquium, University of British Columbia, Vancouver, Canada, November 6, 2017
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

Selected Invited Panels

5. Planetary Architectures, Future of Exoplanet Research Symposium, Massachusetts Institute of Technology, Cambridge, MA, August 2, 2019
4. “The Job Search and Interview Process,” Rising Stars in Physics, Stanford University, Palo Alto, CA, April 10, 2019
3. Faculty panel, 51 Pegasi b Science Summit, Sausalito, CA, August 17, 2018
2. “Exoplanet Science with the James Webb Space Telescope,” ExoPAG 17, Washington, D.C., January 8, 2018
1. International Space University Space Studies Program, Cork, Ireland, July 27, 2017

Other Invited Presentations

4. “LUVOIR” (hyperwall talk), AAS 233, Seattle, WA, January 7, 2019
3. “LUVOIR”, Exoplanet Science Strategy Committee of the National Academies of Science, Engineering, and Medicine, Washington, D.C., March 7, 2018
2. “LUVOIR” (hyperwall talk), AAS 231, Washington, D.C., January 9, 2018
1. “LUVOIR” (hyperwall talk), AAS 229, Grapevine, TX, January 5, 2017

Contributed Talks

24. “Expanding the Frontiers of Exoplanet Science with the LUVOIR Mission Concept,” Sagan Symposium, Pasadena, CA, November 9, 2018
23. “A High Mass & Low Envelope Fraction for the Warm Neptune K2-55b,” AAS 231, Washington, D.C., January 11, 2018
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,” Exoclines, 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 System? 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

13. Lick Observatory, Mt. Hamilton, CA, August 10, 2019 (two presentations)
12. SETI Talk, SRI International Headquarters, Menlo Park, CA, February 13, 2019
11. Ohio State Astronomy & Astrophysics Public Lecture Series, The Ohio State University, Columbus, OH, November 15, 2018
10. Lick Observatory, Mt. Hamilton, CA, June 23, 2018 (two presentations)
9. Benjamin Dean Astronomy Lecture, California Academy of Sciences, San Francisco, CA, April 9, 2018

8. Science@Cal, Berkeley, CA, November 18, 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

Outreach

- Monthly Speaker, Astronomy Chat, National Air & Space Museum, Washington, D.C. (2013–2017)
- Docent, Center for Astrophysics Public Observing Nights (2010–2015)
- Astrobites co-founder, author, and editor (2011–2013)
- Astrobites Author Recruitment Committee (chair 2012–2013, member 2012–2015)
- NASA Academy Reviewer & Interviewer, (2009–2013)

Posters

18. **C. D. Dressing** and the LUVOIR Mission Concept Team, 2019. “Comparative Planetary Science with the LUVOIR Mission Concept,” AAS 233, Seattle, WA
17. **C. D. Dressing** and the LUVOIR Mission Concept Team, 2018. “Studying Cool Stars and Planetary Systems with the Large UV/Optical/IR Surveyor.” Cool Stars 20, Boston, MA
16. **C. D. Dressing** and the LUVOIR Mission Concept Team, 2018. “Probing Stars, Galaxies, & Cosmology with the Large UV/Optical/IR Surveyor.” Astrophysical Frontiers in the Next Decade and Beyond: Planets, Galaxies, Black Holes, and the Transient Universe, Portland, OR
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. Vassel, **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 (* = as PI)

- 10-meter Keck Telescope (HIRES*, NIRC2*)
- 8.2-meter Subaru Telescope (HiCIAO)
- 6.5-meter Multiple Mirror Telescope (ARIES)
- 200-inch (5.1-meter) Palomar Hale Telescope (PHARO, TripleSpec*)
- 3.6-meter Telescopio Nazionale Galileo (HARPS-N)
- 3.0-meter Shane Telescope (ShARCS*)
- 3.0-meter NASA Infrared Telescope Facility (SpeX*)
- 2.4-meter Automated Planet Finder (Levy*)

Refereed Publications (68 total including nine as first author)

First-Author Publications

9. **C. D. Dressing**, K. Hardegree-Ullman, J. E. Schlieder et al., “Characterizing K2 Candidate Planetary Systems Orbiting Low-mass Stars. IV. Updated Properties for 86 Cool Dwarfs Observed during Campaigns 1-17,” 2019, *The Astronomical Journal*, 158, 2
8. **C. D. Dressing**, E. Sinukoff, B. J. Fulton, et al., “Characterizing K2 Candidate Planetary Systems Orbiting Low-mass Stars. III. A High Mass and Low Envelope Fraction for the Warm Neptune K2-55b,” 2018, *The Astronomical Journal*, 156, 70
7. **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, *The Astrophysical Journal*, 154, 207
6. **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
5. **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
4. **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
3. **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
2. **C. D. Dressing** & D. Charbonneau, “The Occurrence Rate of Small Planets Around Small Stars,” 2013, *The Astrophysical Journal*, 767, 95
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

Co-Author Publications (= paper led by student or postdoc I advised)*

59. *A. W. Mayo, V. M. Rajpaul, L. A. Buchhave, & **C. D. Dressing** et al., “An 11 Earth-Mass, Long-Period Sub-Neptune Orbiting a Sun-like Star,” 2019, *Accepted to The Astronomical Journal*, arXiv:1908.08585
58. R. Luque, E. Pallé, D. Kossakowski & 79 coauthors including **C. D. Dressing**, “Planetary system around the nearby M dwarf GJ 357 including a transiting, hot, Earth-sized planet optimal for atmospheric characterization,” 2019, *Astronomy & Astrophysics*, 628, 39
57. V. B. Kostov, J. E. Schlieder, T. Barclay & 112 coauthors including **C. D. Dressing**, “The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf,” 2019, *The Astronomical Journal*, 158, 32
56. D. Berardo, I. J. M. Crossfield, M. Werner, & 12 coauthors including **C. D. Dressing**, “Revisiting the HIP41378 system with K2 and Spitzer,” 2018, *The Astronomical Journal*, 157, 185
55. M. Kosiarek, S. Blunt, M. Lopez-Morales, & 43 coauthors including **C. D. Dressing**, “K2-291b: A Rocky Super-Earth in a 2.2 day Orbit,” 2019, *The Astronomical Journal*, 157, 116
54. J. H. Livingston, I. J. M. Crossfield, M. W. Werner, & 21 coauthors including **C. D. Dressing**, “Spitzer Transit Follow-up of Planet Candidates from the K2 Mission,” 2019, *The Astronomical Journal*, 157, 102
53. M. Kosiarek, I. J. M. Crossfield, K. K. Hardegree-Ullman, & 35 coauthors including **C. D. Dressing**, “Bright Opportunities for Atmospheric Characterization of Small Planets: Masses and Radii of K2-3 b, c, d and GJ3470 b from Radial Velocity Measurements and Spitzer Transits,” 2019, *The Astronomical Journal*, 157, 97
52. A. S. Bonomo, L. Zeng, M. Damasso, & 49 coauthors including **C. D. Dressing**, “A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system,” 2019, *Nature Astronomy*, DOI:10.1038/s41550-018-0684-9
51. A. D. Feinstein, J. E. Schlieder, J. H. Livingston, & 23 coauthors including **C. D. Dressing**, “K2-288Bb: A Small Temperate Planet in a Low-mass Binary System Discovered by Citizen Scientists,” 2019, *The Astronomical Journal*, 157, 40
50. K. Ment, J. A. Dittmann, N. Astudillo-Defru, & 27 coauthors including **C. D. Dressing**, “A second terrestrial planet orbiting the nearby M dwarf LHS 1140,” 2019, *The Astronomical Journal*, 157, 32
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