Curriculum Vitae

Joel D. Green

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EDUCATION AND CAREER:

2015– Space Telescope Science Institute
Project Scientist, Office of Public Outreach

2014– University of Texas at Austin
Research Affiliate

2011–2014 University of Texas at Austin
Research Associate

2008–2011 University of Texas at Austin
Postdoctoral Researcher
Supervisor: Prof. Neal J. Evans, II

2000–2008 University of Rochester
Ph.D., Astronomy (2009)
Thesis: *Observations of Feedback Between Protostars and Their Natal Clouds*
Advisor: Prof. Dan M. Watson
A.M., Astronomy (2002)

1996–2000 Cornell University
B.A., Astrophysics (2000)
Research Advisor: Prof. Terry L. Herter

MEMBERSHIP:
PI: FOOSH and COPS (*Herschel*) Teams (2010-present)
DIGIT (*Herschel* Key Project) Team Member (2008-present)
IRS_Disks (*Spitzer* Instrument) Team Member (2000-present)
Save-Point Collaboration (2014-2016)
American Astronomical Society (AAS) (2000-present)
International Astronomical Union (IAU) (2015-present)
Summer research assistant, SOFIA-FORCAST team (1998-2000)

RESEARCH INTERESTS: star and planet formation
jets and outflows in molecular clouds
dust processing, molecular gas and ice in protostars and YSOs
ground- and space-based infrared, submillimeter spectroscopy
optical/X-ray spectroscopy of accretion processes in YSOs
abundances in planetary nebulae
educational app development

FUNDED PROPOSALS

Total Award to Date: $709,620
Total Award as PI: $437,620
Total Award since Jan. 2015: $160,000

- Pooley, D., **Green, J. D.**, Skinner, S., & Guedel, M, "Target of Opportunity Observations of the a FU Orionis Event", 2016-17 *Chandra* Cycle 17/18 ToO/DDT program, executed Dec 2016 (Award: $55,000)
- **Green, J. D.**, "Disentangling the Physical Conditions of Shocks Around Embedded Protostars: Utilizing a Legacy Herschel Dataset", 2016 JDF Spring (Award: $14,120)
- **Green, J. D.**, "Spectroscopy of FU Orionis Objects with SOFIA-FORCAST", 2016 SOFIA Cycle 4 (Award: $33,000)
- **Green, J. D.**, "Observations of Protostellar Jets with SOFIA-GREAT ", 2016 SOFIA Cycle 4 (Award: $56,000)
- **Green, J. D.** et al., "Shock origins in young stellar objects", 2015 SOFIA Cycle 3 (Award: $3,000)
- Meschiari, S., **Green, J. D.**, Ludwig, R., "Bringing the Tools of Research Direct to the UT Classroom: Systemic, a Virtual Lab for Students", *Longhorn Innovation Fund for Technology* (Award: $87,700; competitive internal University of Texas grant)
- Meschiari, S., **Green, J. D.**, Ludwig, R., "Interactive Education Tools in the Public Square", Cox Proposal 2014-15 (Award: $2,800)
- **Green, J. D.** et al., "FUor Imaging and Spectroscopy with SOFIA-FORCAST", 2013-14 SOFIA Cycle 2 (Award: $4,000)
- **Green, J. D.** et al., "Herschel Observations of Young Stellar Objects", 2014 *Herschel* OT2 program (Award: $17,000)
- Laughlin, G., Meschiari, S., **Green, J. D.**, *Semifinalist*, Moore Foundation Data Driven Discovery Competition (Potential award was $1,500,000; not awarded)
- Pooley, D. & **Green, J. D.**, "Target of Opportunity Observations of the a FU Orionis Event", 2013-16 *Chandra* Cycle 14-16 ToO/DDT program (Award: $40,000)
- Lee, J.-E. et al., 2013, "Searching for the First XDR around a Low Mass Star Forming Region", *Herschel* OT2 program (Award: $20,000)

- Guedel, M., Skinner, S., Liebhart, A., & **Green, J. D.**, "*Chandra* Observations of HBC 722", 2013, *Chandra* Cycle 14 ToO/DDT program (Award: $20,000)
- **Green, J. D.** et al., "SPIRE-FTS Observations of a Diverse Sample of Protostars and their Surroundings" , 2011 *Herschel* OT2 program (Award: $152,000)
- **Green, J. D.** et al., "FOOSH: FU Orionis Objects Surveyed with *Herschel*" 2010 *Herschel* OT1 program (Award: $114,000)
- **Green, J. D.** et al., "Target of Opportunity Observations of the new FU Orionis Event HBC 722", 2010 *Herschel* ToO program (Award: $40,000)
- Pooley, D. & **Green, J. D.**, "Target of Opportunity Observations of the new FU Orionis Event HBC 722", 2010-2011 *Swift* ToO/DDT program
- Guedel, M., Skinner S., **Green, J. D.**, et al., "Target of Opportunity Observations of the new FU Orionis Event HBC 722", 2010-2011 XMM ToO/DDT program
- Dinerstein, H., **Green, J. D.**, "Addressing the Abundance Discrepancy Factor in Planetary Nebulae," 2010 *Herschel* OT1 program (Award: $34,000)
- Dodson-Robinson, S., **Green, J. D.**, Evans, N. J., "*Herschel*-PACS Spectroscopy of Exoplanet Host Debris Disks", 2010 *Herschel* OT1 program (Award: $12,000)

OUTREACH, TEACHING AND SERVICE:

Public Outreach:

Jan. 2015- present	*(as project scientist) - approximately 40 events per year*
(excluding STScI)	
Dec. 16, 2014	Speaker, *Astronomy on Tap*, Austin, TX
Dec. 8, 2014	Presentation, Austin ISD Professional Development Seminar, Austin, TX
Nov. 8, 2014	*Pizza Underground w/ Macaulay Culkin*, FunFunFunFest 2014
Sep. 17, 2014	Speaker, Astronomy Student Association, UT Austin
Jun. 7, 2014	Speaker, Westcave Preserve Star Party, Hamilton Pool, TX
Mar. 28, 2014	Speaker, Texas Astronomical Society, Dallas, TX
Mar. 14, 2014	Official Band Astronomer, *Pizza Underground w/ Macaulay Culkin*, SXSW'14
Mar. 5, 2014	Speaker, Honors Fraternity (Gamma Delta Phi), UT Austinn
Feb. 17, 2014	Co-Host, *They Blinded Me with Science*, KVRX 91.7 Austin
Feb. 3, 2014	Interview Guest, *They Blinded Me with Science*, KVRX 91.7 Austin
Jan. 31, 2014	Official Band Astronomer, *Pizza Underground w/ Macaulay Culkin*, Austin
Dec. 9, 2013	"Building Alien Worlds from Scratch", Manor New Tech School, Manor, TX
August 18, 2013	"Planet Construction: Caught in the Act", *Nerd Nite Global*, Brooklyn, NY
April 12, 2013	"Why do we have all these space telescopes?", Yuri's Night, Austin
March 13, 2013	"Building Alien Worlds from Scratch", *Nerd Nite Austin*
May 7, 2012	"Building Alien Worlds", *Tech Talk*, Google, NYC
May 4, 2012	"Building Alien Worlds", *Nerd Nite NYC*
Jan. 30, 2012	Interview Guest, *They Blinded Me with Science*, KVRX 91.7 Austin
Nov. 16, 2011	"Building Alien Worlds", *Science in the Pub*, Austin
Nov. 5-6, 2011	Booth, Texas Science and Engineering Festival
April 18, 2011	SAGE Lecture "The Formation of Protostars", Thompson Conf. Cen., Austin
March 2, 2011	"Building Alien Worlds", *Nerd Nite Austin*
Nov. 2009	"Planet Construction: A New View of Earth's History", Kendal-on-Hudson, NY

Teaching:

2015	3 PD seminars (high school science), NASA-Goddard
2014	Guest lectures, AST 104, AST 307, AST 364, AST 187 (fall 2014),
2013	Guest lectures, AST 301 (summer 2013), AST 104 (fall 2013)
2012	**Four Guest lectures in Plan II Honors**
	TC 301, Origins Science (UT Austin)
2010 & 2012	SOFIA EXES Schoolteacher Education Lectures:
	"Planet Construction with *Spitzer* and *Herschel*"
2002	Two Guest Lectures in AST 142 – "Elementary Astrophysics" (Univ. Roch.)
2001	Teaching Assistant AST 142 – "Elementary Astrophysics"
2000	Teaching Assistant, PHY 142 – "Electricity & Magnetism (Honors)"

Student Mentoring:

Graduate Student RA	**Yao-Lun Yang (2013-)**
Undergraduate Mentor	Michelle Rascati (2010-2012)
	Trey Heinen (2011-2012)
	Malcolm Thomas (2011)
	Justin Hickey (2012)
	Aditi Raye Allen (2013)
	Rebecca Larson (2013-2016) - entering graduate school 2016
	Andrew Gonzalez (2014)
	Edward Williams (2015)
	Max Parks (2016)
	Nick Miller (2016)
High school Mentor	Shakthi Shrima (2011-2012)

Service:

2016	*Director*, Space Astronomy Summer Program (SASP)
2016-17	STScI Honors & Awards Committee; Internal Lecture Series
2016-19	*Panelist*, AAS Education Prize Committee
2014	*Chair*, Interstellar Matter & Star Formation Seminar, UT Austin
2014	LOC, "Conference on the Inner Regions of Quasars" (Sep 2014)
2013	LOC, "NealFest" (April 25-26, 2013)
2010-2012	*Chair*, Scientific/Local Organizing Committee,
	Frank N. Bash Symposium Oct. 2011
	Proceedings Editor, Frank N. Bash Symposium Oct. 2009 & Oct. 2011
2011-2012	Representative, Postdoc Mentoring Committee, UT Austin
2010-2011	Postdoctoral Representative, Dept. of Astronomy, UT Austin

PRESS RELEASES & POPULAR SCIENCE ARTICLES

- **Green, J. D.**, Burge, J., Stansberry, J., & Meinke, B., "Cameras a Million Miles Apart: Stereoscopic Imaging Potential with the Hubble and James Webb Space Telescopes" , White paper on stereoscopic 3D imaging, arxiv 1610.07483; appeared in New Scientist, Physics Today, SpaceRef, Americaspace.com, and other venues
- NASA/JPL/SOFIA Press Release, "The Evolution of the FU Orionis Disk", June 18, 2016, presented at AAS
- **Green, J. D.**, "Caught in the Act: Cascading Material Pours onto a Young Star" , McDonald Observatory press release, http://mcdonaldobservatory.org/news/releases/2011/0420.html, 20 Apr 2011
- Contributor, *StarDate*/Universo/Sternzeit radio shows Oct. 4-6, 2010, "Protoplanetary Disks"
- **Joel D. Green**, "Learning How to Build a Solar System" *Mercury*, Summer 2010 issue
- Contributor, "How to Build a Planet: Learning Nature's Secret with the *Spitzer* Space Telescope," author Adam Frank, *Discover* cover article July 2005

OBSERVING EXPERIENCE:

Total observing nights: 36

- Reduction, analysis and interpretation of multi-wavelength space-based data (*Spitzer*, *Herschel*, *Chandra*, and *Swift*)
- CSO (9 nights/2012, 6 nights/2011, 7 nights/2009): "SHARC-II and Heterodyne Receiver Observations of Prestellar and Protostellar Sources"
- McDonald Observatory 2.1 m (1 night/ 2011): "Short-term Variability in FU Orionis Objects"
- IRTF (1 night/2005, 2 nights/2014, 2 nights/2015, 3 nights 2016): "Ground-based Photometry of IRS_Disk Sources", "TEXES Observations of [Ne II] in the GGD37 Protostellar Jet"
- UK Infrared Telescope (2 nights/2004): "Ground-based Photometry of IRS_Disks Sources"
- MMT/Whipple Observatory (2 nights/2004): "Ground-based Photometry of IRS_Disks Sources"
- Service observing: University of Rochester- RIT Mees Telescope, 2001

REFEREE EXPERIENCE

- Astrophysical Journal
- Astrophysical Journal Letters
- Astronomy & Astrophysics
- Experimental Astronomy
- NASA XRP panel
- NASA APRA

- NASA ROSES: Origins of Solar Systems
- NSF AAPF panel
- TAC: *Spitzer*-IRAC Cycles 9 & 13
- TAC: SOFIA Cycle 5
- OTKA - Hungarian Scientific Research Fund
- CFHT Observing

RESEARCH PUBLICATIONS:

REFEREED JOURNALS

Recent & Selected Past Publications: Research Highlights

Published 14 refereed papers (3 first author, 2 led by student) since Jan. 2015

- **Yang, Y-L**, Evans, N., **Green, J. D.**, Dunham, M., & Jorgensen, J. 2017, "The Class 0 Protostar BHR71: Herschel Observations and Dust Continuum Models", accepted to ApJ
- **Green, J. D.** et al. 2016, "The Mid-Infrared Evolution of the FU Orionis Disk", ApJ, 832, 4
- **Green, J. D.** et al. 2016, "Testing the Binary Trigger Hypothesis in FUors", ApJ, 830, 29
- **Green, J. D.** et al. 2016, "The CDF Archive: Herschel PACS and SPIRE Spectroscopic Data Pipeline and Products for Protostars and Young Stellar Objects", AJ, 151, 75
- **Larson, R.**, Evans, N., **Green, J. D.**, Yang, Y.-L., 2015, "Evidence for Decay of Turbulence by MHD Shocks in Molecular Clouds Via CO Emission", ApJ, 806, 70
- Audard, M. et al. 2014, "Episodic Accretion in Young Stars", PPVI Review Chapter, arXiv:1401.3368
- **Green, J. D.** et al. 2013, "An Analysis of the Environments of FU Orionis Objects with *Herschel*", ApJ, 772, 117
- **Green, J. D.** et al. 2013, "Embedded Protostars in the Dust, Ice, and Gas In Time (DIGIT) Key Program: Continuum SEDs, and an Inventory of Characteristic Far-Infrared Lines from PACS Spectroscopy", ApJ, 770, 123
- Bergin, E. A., et al. 2013, "An old disk still capable of forming a planetary system," *Nature*, 493, 644
- **Green, J. D.** et al. 2011,"Disentangling the Environment of the FU Orionis Candidate HBC 722 with *Herschel*", ApJ, 731, L25
- **Green, J. D.** et al. 2011, "GGD37: An Extreme Protostellar Outflow", ApJ, 726, L1
- Watson, D. M., et al. 2007, "The development of a protoplanetary disk from its natal envelope", *Nature*, 448, 1026
- **Green, J. D.** et al., 2006, "*Spitzer* IRS Observations of FU Orionis Objects", ApJ, 648, 1099

Full Refereed Publication List *h-index=31; 9 first author; 2 led by student*

1. **Yang, Y-L**, Evans, N., **Green, J. D.**, Dunham, M., & Jorgensen, J. 2017, "The Class 0 Protostar BHR71: Herschel Observations and Dust Continuum Models", accepted to ApJ
2. Mottram, J. et al. 2016, "Outflows, infall and evolution of a sample of embedded low-mass protostars: The William Herschel Line Legacy (WILL) Survey", accepted to A&A
3. **Green, J. D.** et al. 2016, "The Mid-Infrared Evolution of the FU Orionis Disk", ApJ, 832, 4

4. Dodson-Robinson, S., Su, K., Bryden, G., Harvey, P., & **Green, J. D.** 2016, "Herschel Observations and Updated Spectral Energy Distributions of Five Sunlike Stars with Debris Disks", accepted to ApJ

5. **Green, J. D.** et al. 2016, "Testing the Binary Trigger Hypothesis in FUors", ApJ, 830, 29

6. McClure, M. K. et al 2016, "Mass Measurements in Protoplanetary Disks From Hydrogen Deuteride", A&A, 831, 167

7. Manoj, P. et al. 2016, "The Evolution of Far-Infrared CO Emission from Protostars", accepted to ApJ

8. Britt, C. et al. 2016, "Discovery of a Long-Lived, High Amplitude Dusty Infrared Transient", MNRAS, 460, 2822

9. Werner, M. et al. 2016, "Extension of ATLAST/LUVOIR's Capabilities to 5 um, or Beyond", accepted to JATIS

10. **Green, J. D.** et al. 2016, "The CDF Archive: Herschel PACS and SPIRE Spectroscopic Data Pipeline and Products for Protostars and Young Stellar Objects", AJ, 151, 75

11. **Larson, R.**, Evans, N., **Green, J. D., Yang, Y-L**, 2015, "Evidence for Decay of Turbulence by MHD Shocks in Molecular Clouds Via CO Emission", ApJ, 806, 70

12. Lee, J. et al. 2015, "High Resolution Optical Spectra and NIR Spectra of HBC 722", ApJ, 807, 84

13. Je, H. et al. 2015, "Dust, Ice, and Gas In Time" (DIGIT) Herschel Observations of GSS30-IRS1 in Ophiuchus", ApJS, 217, 6

14. Baek, G. et al. 2015, "Color Variability of HBC 722 in the Post-Outburst Phases", AJ, 149, 73

15. Audard, M. et al. 2014, "Episodic Accretion in Young Stars", PPVI Review Chapter, arXiv:1401.3368

16. Liebhart, A., Guedel, M., Skinner, S., **Green, J. D.**, 2014, "X-ray emission from an FU Ori star in early outburst: HBC 722", A&A Letters, 570, 11

17. Lee, J. et al. 2014, "Herschel Key Program, "Dust, Ice, and Gas In Time" (DIGIT): The Origin of Molecular and Atomic Emission in Low-Mass Protostars in Taurus", ApJS, 214, 21

18. Sargent, B. et al. 2014, "Emission from Water Vapor and Absorption from Other Gases at 5–7.5 Microns in Spitzer-IRS Spectra of Protoplanetary Disks", ApJ, 792, 83

19. Clayton, G. et al. 2014, "Dusty Disks Around Central Stars of Planetary Nebulae", AJ, 147, 142

20. Lindberg, J. et al. 2014, "Warm gas towards young stellar objects in Corona Australis - Herschel/PACS observations from the DIGIT key programme", A&A, 565, 29

21. **Green, J. D.** et al. 2013, "An Analysis of the Environments of FU Orionis Objects with *Herschel*", ApJ, 772, 117

22. **Green, J. D.** et al. 2013, "Embedded Protostars in the Dust, Ice, and Gas In Time (DIGIT) Key Program: Continuum SEDs, and an Inventory of Characteristic Far-Infrared Lines from PACS Spectroscopy", ApJ, 770, 123

23. Bergin, E. A., et al. 2013, "An old disk still capable of forming a planetary system," *Nature*, 493, 644

24. **Green, J. D.** et al. 2013, "Variability at the Edge: Optical/Near-IR Rapid-cadence Monitoring of Newly Outbursting FU Orionis Object HBC 722", ApJ, 764, 22

25. Lee, J. et al. 2013, "L1448-MM observations by the *Herschel* Key program, 'Dust, Ice, and Gas In Time' (DIGIT)", ApJS, 209, 4

26. Dionatos, O. et al. 2013, "DIGIT: *Herschel* and *Spitzer* spectro-imaging of SMM3 and SMM4 in Serpens", A&A, 558, 88

27. Meeus, G. et al. 2013, "DIGIT survey of far-infrared lines from protoplanetary disks II: CO", A&A, 559, 84

28. Fedele, D. et al. 2013, "DIGIT survey of far-infrared lines from protoplanetary disks I", A&A, 559, 77

29. Kim, K. H. et al. 2013, "Transitional disks and their origins: an infrared spectroscopic survey of Orion A", ApJ, 769, 149

30. Sturm, B. et al. 2013, "The 69 micron forsterite band in spectra of protoplanetary disks - Results from the *Herschel* DIGIT programme", A&A, 553, 5

31. Fedele, D., et al. 2012, "Warm H2O and OH in the disk around the Herbig star HD 163296", A&A, 544, 9

32. Dunham, M. M. et al. 2012, "Revealing the Millimeter Environment of the New FU Orionis Candidate HBC722 with the Submillimeter Array", ApJ, 755, 157

33. **Green, J. D.** et al. 2011,"Disentangling the Environment of the FU Orionis Candidate HBC 722 with *Herschel*", ApJ, 731, L25

34. **Green, J. D.** et al. 2011, "GGD37: An Extreme Protostellar Outflow", ApJ, 726, L1

35. Lee, J.-E. et al. 2011, "High Resolution Optical Spectra of HBC 722 after Outburst", JKAS, 44, 67

36. Furlan, E. et al. 2011, "The *Spitzer* Infrared Spectrograph Survey of T Tauri Stars in Taurus", ApJS, 195, 3

37. Manoj, P. et al. 2011, "*Spitzer* Infrared Spectrograph Survey of Young Stars in the Chamaeleon I Star-Forming Region", ApJS, 193, 11

38. van Kempen, T., **Green, J. D.**, et al. 2010, "Dust, Ice and Gas in Time (DIGIT) *Herschel* program first results: A full PACS-SED scan of the gas line emission in protostar DK Cha", A&A *Herschel* Special Issue, 518, 128

39. Sturm, B., et al. 2010, "First results of the *Herschel* Key Program 'Dust, Ice and Gas in Time': Dust and Gas Spectroscopy of HD 100546", A&A *Herschel* Special Issue, 518, 129

40. Watson, D. M., et al. 2009, "Crystalline Silicates and Dust Processing in the Protoplanetary Disks of the Taurus Young Cluster", ApJS, 180, 84

41. Sargent, B. A., et al. 2009, "Silica in Protoplanetary Disks", ApJ, 690, 1193

42. Furlan, E., et al. 2009, "*Spitzer* IRS Spectra and Envelope Models of Class I Protostars in Taurus", ApJS, 176,184

43. Sargent, B. A., et al. 2008, "Dust Processing and Grain Growth in Protoplanetary Disks in the Taurus-Auriga Star-Forming Region", ApJS, 182, 477

44. Quillen, A. C., et al. 2008, "*Spitzer* Space Telescope Infrared Spectrograph mapping of the central kpc of Centaurus A", MNRAS, 384, 1469

45. Watson, D. M., et al. 2007, "The development of a protoplanetary disk from its natal envelope", *Nature*, 448, 1026

46. Furlan, E., et al. 2007, "HD 98800: A 10 Myr Old Transition Disk", ApJ, 664, 1176

47. **Green, J. D.** et al., 2006, "*Spitzer* IRS Observations of FU Orionis Objects", ApJ, 648, 1099

48. Neufeld, D. A., **Green, J. D.**, et al. 2006, "*Spitzer* Observations of Hydrogen Deuteride", ApJ, 647, L33

49. Neufeld, D. A., et al. 2006, "*Spitzer* Observations of HH 54 and HH 7-11: Mapping the H2 Ortho-to-Para Ratio in Shocked Molecular Gas", ApJ, 649, 816

50. Furlan, E., et al. 2006, "A Survey and Analysis of *Spitzer* Infrared Spectrograph Spectra of T Tauri Stars in Taurus", ApJS, 165, 568

51. Sargent, B., et al. 2006, "Dust Processing in Disks around T Tauri Stars", ApJ, 645, 395

52. Jura, M., et al. 2006, "Polycyclic Aromatic Hydrocarbons Orbiting HD 233517, an Evolved Oxygen-rich Red Giant", ApJ, 637, L45

53. Sloan, G. C., et al. 2005, "Mid-Infrared Spectra of Polycyclic Aromatic Hydrocarbon Emission in Herbig Ae/Be stars", ApJ, 632, 956

54. Calvet, N., et al. 2005, "Disks in Transition in the Taurus Population: *Spitzer* IRS Spectra of GM Aurigae and DM Tauri", ApJ, 630, L185

55. Hartmann, L., et al. 2005, "The Accretion Disk of the Lithium-depleted Young Binary St 34", ApJ, 628, L147

56. Furlan, E., et al. 2005, "Colors of Classical T Tauri Stars in Taurus Derived from *Spitzer* Infrared Spectrograph Spectra: Indication of Dust Settling", ApJ, 628, L65

57. Furlan, E., et al. 2005, "*Spitzer* IRS Spectra of Young Stars Near the Hydrogen-burning Mass Limit", ApJ, 621, L129

58. D'Alessio, P., et al. 2005, "The Truncated Disk of CoKu Tau/4", ApJ, 621, 461

59. Higdon, S. J. U., et al. 2004, "The SMART Data Analysis Package for the Infrared Spectrograph on the *Spitzer* Space Telescope", PASP, 116, 975

60. Jura, M., et al. 2004, "Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars", ApJS, 154, 453

61. Forrest, W. J., et al. 2004, "Mid-infrared Spectroscopy of Disks around Classical T Tauri Stars", ApJS, 154, 443

62. Uchida, K. I., et al. 2004,"The State of Protoplanetary Material 10 Million years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association", ApJS, 154, 439

63. Watson, D. M., et al. 2004, "Mid-infrared Spectra of Class I Protostars in Taurus", ApJS, 154, 391

NON-REFEREED/SUBMITTED ARTICLES

- **Green, J. D.**, Burge, J., Stansberry, J., & Meinke, B., 2016, "Cameras a Million Miles Apart: Stereoscopic Imaging Potential with the Hubble and James Webb Space Telescopes", arXiv:1610.07483

- Pooley, D., **Green, J. D.**, Guedel, M., & Skinner,S., 2015, "X-ray detection of 2MASS J06593158-0405277", 4 Feb 2015, ATel 7025

- Editor, "New Horizons in Astronomy: Frank N. Bash Symposium 2011", 2012, PoS, 32

- Pooley, D., **Green, J. D.**, "X-ray and Ultraviolet detection of the new FU Orionis object HBC 722", 18 Nov 2010, ATel 3040

- Editor, "New Horizons in Astronomy: Frank N. Bash Symposium 2009", 2010, ASPC, 432

- **Green, J. D.**, "Ph D. Thesis: Observations of Feedback Between Protostars and their Natal Clouds" 2009

- Watson, D. M., **Green, J. D.**, & Leisenring, J., 2003, "Pointing with *Spitzer*-IRS: IRS Peakup Targets"

CONFERENCE PROCEEDINGS/POSTERS (First Author/Presenter Only)

- **Green, J. D.**, et al., "The Mid-Infrared Evolution of the FU Orionis Disk", Linking Exoplanet and Disk Compositions, September 2016, Baltimore, MD

- **Green, J. D.**, et al., "A *Herschel* Comparison of Outbursters to Ordinary Protostars", Jan. 2014, AAS: Washington, DC

- **Green, J. D.**, et al., "COPS (CO in Protostars): Characterizing Outbursting Sources with *Herschel*", Jan. 2013, AAS: Long Beach, CA

- **Green, J. D.**, et al., "FOOSH (FU Orionis Objects Surveyed with *Herschel*): Characterizing Outbursting Sources with *Herschel*", July 2011, Gordon Research Conference, Mount Holyoke College, Massachusetts

- **Green, J. D.**, et al., "DIGIT (Dust, Ice, and Gas in Time): *Herschel*-PACS Observations of Gas in Protostars", May 2010, *Herschel* First Results Symposium, ESA, Noordwijk, Netherlands

- **Green, J. D.**, et al., "Highlights from DIGIT (Dust, Ice, and Gas in Time)", May 2010, *Herschel* First Results Symposium, ESA, Noordwijk, Netherlands

- **Green, J. D.**, et al., "DIGIT (Dust, Ice, and Gas in Time) First Results: HD 100546 and DK Cha,", January 2010, AAS: *Herschel* First Results Session, Washington, DC
- **Green, J. D.**, et al., "DIGIT (Dust, Ice, and Gas in Time) First Results", December 2009, *Herschel* Initial Results Workshop, ESAC, Madrid, Spain
- **Green, J. D.**, et al.,"The Birth of a High Mass Protostar?", November 2009, ESO Conference on Circumstellar Disks, Garching, Germany
- **Green, J. D.**, et al., "The Symbiotic Relationship Between Protostars and Their Natal Clouds", October 2008, *Spitzer* Sheds Light on Circumstellar Disks Conference, Pasadena, CA
- **Green, J. D.**, et al., "Where is the Driving Source for HH 168?", 2008, Bulletin of the American Astronomical Society, 39, 889
- **Green, J. D.**, et al., "Mid-infrared spectra of Class I protostars in Taurus", Cores, Disks, Jets and Outflows" conference Banff, Canada, 2004
- **Green, J. D.**, et al., "Mid-infrared spectra of Class I protostars in Taurus", 2004, Bulletin of the American Astronomical Society, 36, 723 (Denver, CO)
- Forrest, W. J., et al., "Mid-infrared spectroscopy of disks around classical T Tauri stars", 2004, Bulletin of the American Astronomical Society, 36, 722 (Denver, CO)

PAPERS IN PREPARATION (First author and advising student only)

- **Yang, Y.-L., Green, J. D.** et al., "*Herschel*-SPIRE Observations of Class 0/I Protostars (COPS)", in prep.
- **Yang, Y.-L.,** Evans, N., **Green, J. D.** et al., "ALMA Observations of Class 0 Protostars", in prep.
- **Green, J. D.** et al., "Using Fine Structure Emission to Derive Kinematics of the HH 168 Jet", in prep.

SCIENTIFIC/INVITED TALKS:

12 talks since Jan. 2015

- **"What sets the conditions in a young disk before the onset of planet formation?", Invited seminar, University of Utah, March 31, 2017**
- **"The Fiery Seeds of Planet Formation", Invited seminar, Trinity University, March 6, 2017**
- **"The Fiery Seeds of Planet Formation", Invited seminar, George Mason University, January 27, 2017**
- "In Outburst, the Seeds of Planet Formation", Contributed Talk, January 7, 2017 AAS, Grapevine, TX
- "Bringing the Science of JWST to the Public ", Contributed Talk, January 7, 2017 AAS, Grapevine, TX

- "Building and Unbuilding a Protoplanetary Disk in Real Time", Science Coffee presentation, STScI, Baltimore, MD, Dec. 2, 2016
- "Altering the Seeds of Planet Formation", SOFIA Community Tele-Talk, Nov. 9, 2016
- "The Evolution of the FU Orionis Disk, and the Seeds of Planet Formation", Contributed Talk, October 2016 DPS, Pasadena, CA
- **"What sets the conditions in a young disk before the onset of planet formation?", Invited seminar, University of Delaware, October 11, 2016**
- "The Evolution of the FU Orionis Disk", Contributed Talk, June 2016 AAS, San Diego, CA
- "Can Binarity Explain FUors?", Science Coffee presentation, STScI, Baltimore, MD, Apr. 29, 2016
- "The Evolution of FU Orionis Disks", CAS Wine-and-Cheese Seminar, Johns Hopkins University, Baltimore, MD, Apr. 18, 2016
- "Accretion in FU Orionis Objects", Cosmos Seminar, University of Texas at Austin, Austin, TX, Mar. 23, 2016
- "Preparing the Public for JWST", Contributed Talk, January 2016 AAS, Orlando, FL
- "The Evolution of FU Orionis Disks', Seminar, Carnegie DTM, Washington, DC, Oct 23, 2015
- "Stirring Turbulence in the ISM", Hot Science Colloquium, Space Telescope Science Institute, Baltimore, MD, June 10, 2015
- "The Education/Public Outreach Landscape", Lunch Talk, American Museum of Natural History, New York, NY, May 29, 2015
- "The Violent Early Lives of Stars and Planets", Astronomy Seminar, Rice University, Houston, TX, October 8, 2014
- **"The Violent Early Lives of Stars and Planets", SEAL Talk, NASA Goddard Space Flight Center, Greenbelt, MD, August 21, 2014**
- **"The Violent Early Lives of Stars and Planets", Colloquium, Space Telescope Science Institute, Baltimore, MD, August 19, 2014**
- "The Violent Early Lives of Stars and Planets", Lunch Talk, Texas Tech University, Lubbock, TX, July 23, 2014
- **"From Clouds to Planets: Stories from Herschel", Colloquium, University of Amsterdam, Netherlands, May 16, 2014**
- "FUors: the smoking gun for episodic accretion, or misfit young stars?", Oort Workshop, Leiden, Netherlands, May 2014
- "From Clouds to Planets: Stories from Herschel", Physics & Astronomy Lunch Talk, Texas A&M Commerce, March 27, 2014

- "From Clouds to Planets: Stories from Herschel", Physics & Astronomy Colloquium, University of Texas at Dallas, March 26, 2014
- **"Protostars and Planets VI Review: a Bumpy Ride to Star and Planet Formation", Protostars and Planets VI, Heidelberg, Germany, July 17, 2013**; The lecture and Q&A can be found at www.youtube.com/watch?v=bB4dygEFiKk
- **"From Clouds to Planets: the View from the Infrared (and Microwave)", Physics & Astronomy Colloquium, Sam Houston State University, November 28, 2012**
- "The *Herschel* View on Protostellar and Protoplanetary Evolution in Nearby Molecular Clouds", New York University, May 11, 2012
- "The *Herschel* View on Protostellar and Protoplanetary Evolution in Nearby Molecular Clouds", Columbia University, May 10, 2012
- **"The *Herschel* View on Protostellar and Protoplanetary Evolution in Nearby Molecular Clouds", Astronomy Colloquium, Stony Brook University, May 9, 2012**
- "CO in DIGIT: Protostars and Disk Sources", Lorentz Workshop, Leiden, Netherlands (March 2012)
- **"Highlights from the DIGIT Key Program", *Herschel* Special Session, Winter 2012 AAS, Austin (January 2012)**
- **"Connecting Episodic Accretion and Outflow," Astronomy Colloquium, Rice University (February 23, 2011)**
- "The Natural Laboratory of Evolving Protostars and Planetary Systems: Geology and Chemistry at a Distance" Board of Visitors Winter 2011 Meeting, University of Texas at Austin (February 12, 2011)
- **"*Herschel* Observations of the New FU Orionis Candidate HBC 722" Astronomy Colloquium, University of Rochester (December 16, 2010)**
- "*Herschel*-PACS Observations of Water in Protostars" ISM/Planets and Life Seminar, University of Texas at Austin (September 24, 2010)
- "DIGIT (Dust, Ice, and Gas in Time): *Herschel*-PACS Observations of Young Stars", Astronomy Colloquium, University of Rochester (June 7, 2010)
- **"DIGIT First Results: *Herschel*-PACS Observations of HD 100546 and DK Cha," *Herschel* Initial Results Workshop, ESAC, Madrid, Spain (December 17, 2009)**
- "Circumstellar Disk Mineralogy in Nearby Molecular Clouds: *Spitzer* and the *Herschel* Followup," Planetary Science Symposium, University of Texas at Austin (October 2, 2009)
- "The Birth of a Massive Protostar," ISM/Planets and Life Seminar, University of Texas at Austin (September 25, 2009)
- **"The Birth of a Massive Protostar," Astronomy Colloquium, American Museum of Natural History, New York, NY (September 3, 2009)**

- "The Symbiotic Relationship Between Protostars and Their Natal Clouds," ISM/Planets and Life Seminar, University of Texas at Austin (February 13, 2009)
- "Where is the Driving Source for HH 168?" ISM/Planets and Life Seminar, University of Texas at Austin (April 2008)
- "*Spitzer* Observations of FU Orionis Objects," ASNY Conference (Troy, NY October 2004)

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