

Daniel Allen Dale
College of Arts & Sciences
Department of Physics & Astronomy
University of Wyoming
Laramie, WY 82071

Academic Record

1998	Ph.D.	Cornell University	Physics
1996	M.S.	Cornell University	Physics
1993	B.S.	University of Minnesota Duluth	Physics & Math (honors; summa cum laude)
1989	Diploma	Princeton (MN) High School	

Professional Experience

2018–present	Associate Dean	College of Arts & Sciences, University of Wyoming
2010–present	Professor	University of Wyoming
2008–2017	Department Head	Physics & Astronomy, University of Wyoming
2005–2010	Associate Professor	University of Wyoming
2001–2005	Assistant Professor	University of Wyoming
1998–2001	Postdoctoral Scholar	California Institute of Technology

Awards and Honors

2019	Harry C. Vaughan Professorship in Astronomy
2007	Extraordinary Merit in Research
2006	Ellbogen Meritorious Classroom Teaching Award
2005	Extraordinary Merit in Research
2004	National Science Foundation CAREER Award
1995	Clark Award for Excellence in Teaching
1993	Outstanding Mathematics Senior
1992	Darland All-American Scholarship
1989	University of Minnesota Presidential Scholarship

Fund Raising Experience

2009	Bessey Graduate Fellowship estate gift commitment (\$300k)
2009	Bunch Graduate Fellowship (existing endowment augmented by \$60k)
2013	Windy Ridge Foundation Harry C. Vaughan planetarium (\$875k)
2014	Windy Ridge Foundation Harry C. Vaughan planetarium (\$700k)
2014	Burnett Graduate Fellowship (\$100k)
2019	Windy Ridge Foundation Astro Camp (\$250k)
2019	Windy Ridge Foundation Harry C. Vaughan Professorship in Astronomy (\$500k)

Grant Funding

47 federal grants totaling \$19M (\$3M to UW); 12 state grants totaling \$700k

Refereed Publications

204 as of February 2020 (31 as first author); *h*-index of 61 (20 for first-author papers)

Graduate Student committees chaired: 25 (20 M.S., 5 Ph.D.)

Undergraduate Research Assistants: 96

Courses Taught

Calculus-based introductory physics I & II; computational physics; graduate astrophysics; calculus-based introductory astronomy I

Service & Outreach

Frequent visitor to public schools across the state; provide hands-on activities and lectures
Director of 10-week undergraduate research internship program in astronomy (2012–present)
Head Coach of the University of Wyoming women's hockey team (2009–present)
Ass't Director/Director of Wyoming Astro Camp for schoolchildren (2003–present)
Director of UW planetarium; many presentations over the years
Co-chair of UW Grand Challenges initiative (2019–present)

Extramural Funding

- 2019-2022: “SOFIA heralds a new era of measuring the magnetic fields of galaxies”
PI: E. Lopez-Rodriguez; 17 CoIs
NASA: SOFIA—Stratospheric Observatory for Infrared Astronomy
~\$420,000
- 2019-2022: “REU Site: Wyoming Astronomy”
PI: **Daniel Dale**; Co-PI Chip Kobulnicky
NSF Special Programs in Astronomy
\$260,306
- 2019-2022: “PHANGS-HST: Linking Stars and Gas throughout the Scales of Star Formation”
PI: J. Lee; 19 CoIs
NASA *Hubble* Space Telescope
~\$370,000
- 2017-2018: “Short Spacing Issues for the Mapping of Nearby Galaxies”
PI: P. Teuben; CoPI D. Dale
NRAO
\$42,830
- 2017-2019: “Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies”
PI: J. Andrews
NASA *Hubble* Space Telescope
~\$60,000
- 2016-2019: “REU Site: University of Wyoming Astronomy”
PI: **Daniel Dale**; Co-PI Chip Kobulnicky
NSF Special Programs in Astronomy
\$256,595
- 2016-2019: “Young Star Groups in Dwarf Galaxies”
PI: D. Calzetti; 4 CoIs
NASA *Hubble* Space Telescope
~\$60,000
- 2014-2016: “LEGUS: Legacy ExtraGalactic UV Survey”
PI: D. Calzetti
NASA *Hubble* Space Telescope
\$471,456
- 2014-2017: “Recruiting More Physics Education Majors at the University of Wyoming”
PI: **D. Dale**
American Physical Society
\$19,841
- 2014-2019: “Sustaining Wyoming’s Advancing Reach in Mathematics and Science (SWARMS)”
PI: A. Burrows; 4 Co-PIs
NSF Division of Undergraduate Education
\$1,186,365
- 2013: “Wyoming AstroCamp”
PI: **D. Dale**
NASA Summer of Innovation Mini-Award
\$2,500
- 2012-2015: “A Herschel/PACS mapping of far-infrared emission lines from the nuclear spiral in M31”
PI: Z. Li; 7 co-Is
ESA *Herschel* Space Observatory
\$49,978

- 2012-2015: “After the Fall: Probing Dust and Gas in Post-Starburst Galaxies with Herschel”
PI: J.D. Smith; Co-PI D.A. Dale; 8 co-Is
ESA *Herschel* Space Observatory
\$234,237
- 2011-2014: “Initiating a Bold New Generation of Astronomical Survey at the Wyoming Infrared Observatory”
PIs: Chip Kobulnicky & Adam Myers; CoIs Lee Armus & Daniel Dale
NASA EPSCoR
\$750,000
- 2011-2015: “REU Site: University of Wyoming Astronomy”
PI: **Daniel Dale**; Co-PI Chip Kobulnicky
NSF Special Programs in Astronomy
\$199,585
- 2011-2014: “Stellar Distributions in Dark Matter Halos: Looking Over the Edge”
PI: L. van Zee; 7 co-Is
NASA *Spitzer* Space Telescope
\$613,180
- 2011-2014: “H α -selected galaxies at $z \sim 2$ ”
PI: S. Salim; 2 co-Is
NASA *Spitzer* Space Telescope
\$45,760
- 2011-2012: “Observations of the Nearby Starburst Galaxy NGC 2146 with FORCAST on SOFIA”
PI: L. Armus; 15 co-Is
NASA: SOFIA—Stratospheric Observatory for Infrared Astronomy
\$12,000
- 2011-2014: “Beyond the Peak: Resolved Far-Infrared Spectral Mapping of Nearby Galaxies with SPIRE/FTS”
PI: J.D. Smith; Co-PI D.A. Dale; 27 co-Is
ESA *Herschel* Space Observatory
\$375,313
- 2010-2016: “Wyoming AstroCamp”
PI: H.A. Kobulnicky; co-I D.A. Dale
Harris Foundation/ExxonMobil
\$480,000
- 2010: “BLISS Concept Study”
PI: C.M. Bradford; 22 co-Is
NASA ROSES APRA
\$228,000
- 2009-2012: “Faint Stellar Distributions in Extended HI Disks”
PI: Liese van Zee; 7 co-Is
NASA *Spitzer* Space Telescope
\$98,000
- 2009-2012: “Extended Stellar Distributions in M83”
PI: Kate Barnes; 6 co-Is
NASA *Spitzer* Space Telescope
\$45,000
- 2008-2011: “MIPS Spectral Energy Distribution Observations of M82”
PI: Chad Engelbracht; 7 co-Is
NASA *Spitzer* Space Telescope
~\$5,000

- 2008-2012: “KINGFISH: Key Insights on Nearby Galaxies: A Far-Infrared Survey w/Herschel”
PI: R. Kennicutt; 28 co-Is
ESA *Herschel* Space Observatory
\$2,223,000
- 2007-2012: “Upgrading the WIRO 2.3 m Telescope”
PI: Chip Kobulnicky; four co-Is
NSF PREST: Program for Research and Education with Small Telescopes
\$413,396
- 2007-2010: “After the Fall: Dust and PAHs in Post-Starburst Galaxies”
PI: J.D. Smith; six co-Is
NASA *Spitzer* Space Telescope
\$123,275
- 2007-2011: “The Local Volume Legacy Survey”
PI: R. Kennicutt; 17 co-Is
NASA *Spitzer* Space Telescope
\$850,620
- 2007-2010: “GALEX-Spitzer study of resolved galaxies”
PI: B. Madore; nine co-Is
NASA *Spitzer* Space Telescope
\$139,102
- 2007-2011: “The 5 mJy Extragalactic Spectroscopic Survey”
PI: G. Helou; 12 co-Is
NASA *Spitzer* Space Telescope
\$781,370
- 2007-2010: “Galaxies Across the Octaves: A Chandra Legacy Survey of SINGS Galaxies”
PI: L. Jenkins; 9 co-Is
NASA *Chandra* X-ray Telescope
\$279,412 (783 ks)
- 2006-2011: “Enhancing Science Awareness and Learning for 7th/8th Grade Wyoming Students”
PI: Don Roth (Dean of UW Graduate School); four co-Is
NSF K-12 Education
\$646,898
- 2006-2009: “Unveil the Nature of Post-Starburst Quasars”
PI: Zhaohui Shang; six co-Is
NASA *Spitzer* Space Telescope
\$67,498
- 2006-2009: “PAH Emission in Low-Luminosity AGN: Ghosts in the Machine”
PI: J.D. Smith; six co-Is
NASA *Spitzer* Space Telescope
\$158,525
- 2005-2008: “Spectral Energy Distributions of Star-Forming Galaxies, from Low Z to ULIRGs”
PI: Chad Engelbracht; Karl Gordon, Daniel Dale co-Is
NASA *Spitzer* Space Telescope
\$28,620
- 2005-2008: “The Physical Context of PAH emission in Galaxies”
PI: J.D. Smith; nine co-Is
NASA *Spitzer* Space Telescope
\$149,387
- 2005-2008: “Quasar Bolometric Luminosity and SEDs from Radio to X-ray”
PI: Zhaohui Shang; Michael Brotherton, Dean Hines, Daniel Dale co-Is
NASA *Spitzer* Space Telescope
\$40,429

- 2005-2008: “M 51 MIR Spectral Cube: A Rosetta Stone for Galaxy Evolution”
PI: Kartik Sheth; seven co-Is
NASA *Spitzer* Space Telescope
~\$50,000
- 2005-2008: “An Ultra-Deep Spitzer Spectral Survey”
PI: George Helou; seven co-Is
NASA *Spitzer* Space Telescope
\$50,000
- 2005-2008: “Quasar Spectral Energy Distributions: The Next Generation”
PI: Zhaohui Shang; 3 co-Is, 2 collaborators
NASA Astrophysics Data Program
\$184,855
- 2004-2009: “Acquisition of a Near-Infrared Camera for the Wyoming Infrared Observatory”
PI: Michael Pierce; Daniel Dale, Chip Kobulnicky & Michael Brotherton co-Is
NSF MRI: Major Research Instrumentation
\$872,898
- 2004-2009: “Wyoming Infrared Observatory’s Summer Undergraduate RA Program”
PI: Ron Canterna; Michael Pierce, Daniel Dale, Chip Kobulnicky & M. Brotherton co-Is
NSF Research Experience for Undergraduates Program
\$461,715
- 2004-2010: “WySCH: The **Wy**oming **S**urvey for **C**osmological **H** α ”
PI: **Daniel Dale**
NSF Faculty Early Career Development
\$587,455
- 2002-2003: “Paschen- α Imaging of a SIRTf-Selected Nearby Galaxy Sample”
NASA *Hubble* Space Telescope
PI: Robert C. Kennicutt, Jr.; 10 co-Is
~\$120,000 (≤ 80 snapshots)
- 2000-2007: “SINGS: The Spitzer Infrared Nearby Galaxy Survey”
PI: Robert C. Kennicutt, Jr.; 14 co-Is
NASA *Spitzer* Space Telescope
~\$4,600,000

State Funding

2017-2018: "Probing the Assembly History of Galaxies"

PI: **Daniel Dale**

UW College of Arts & Sciences

\$21,688

2017-2018: "Open Educational Resources"

PI: **Daniel Dale**

UW Libraries

\$4,000

2017-2018: "Sunday Night Physics at the Science Fair"

PI: **Daniel Dale**

UW College of Arts & Sciences

\$1,850

2017-2018: "Star Clusters and Interstellar Dust"

PI: **Daniel Dale**

UW Faculty Grant in Aid

\$7,500

2016-2017: "Transforming Undergraduate Research Experiences: Assessing the Community Mentoring Model"

PI: Chip Kobulnicky; Co-PIs Daniel Dale, Jennifer Forrester

Wyoming NSF EPSCoR

\$29,700

2015: "Creating Inquiry-Based Labs for Studio Physics"

PI: **Daniel Dale**

Wyoming NASA Space Grant Consortium

\$10,000

2014: "Galaxy and AGN Infrared SEDs"

PI: **Daniel Dale**

University of Wyoming International Travel Grant

\$2,000

2011-2012: "University of Wyoming Assessment Academy"

PI David Thayer

Ellbogen Center for Teaching and Learning

\$2,000

2010-2013: "Robotics for 21st Century Students"

PI Tim Slater

Wyoming Math Science Partnership program

\$600,000

2005: "Research Experience for Teachers at Wyoming Astro Camp"

PI: **Daniel Dale**; co-I Chip Kobulnicky

Wyoming NASA Space Grant Consortium

\$2,000

2002: "Normal Galaxies in the Infrared: Properties and Evolution"

PI: **Daniel Dale**

Wyoming NASA EPSCoR Seed Grant & Travel Grant Program

\$24,042

2002: "Constraining the Dark Matter Distribution in Galaxies"

PI: **Daniel Dale**

University of Wyoming Basic Research Grant

\$3,000

Refereed Publications *,[†],[‡] denotes undergraduate, graduate, high school teacher

204. Dale, D., et al. 2020, *Astrophysical Journal*, in press
“Radial Star Formation Histories in 32 Nearby Galaxies”
203. Wei, W. et al. 2020, *Monthly Notices of the Royal Astronomical Society*, in press
“Deep Transfer Learning for Star Cluster Classification: I. Application to the PHANGS-HST Survey”
202. Wofford, A. et al. 2020, *Monthly Notices of the Royal Astronomical Society*, in press
“Candidate LBV stars in galaxy NGC 7793 found via HST photometry + MUSE spectroscopy”
201. Whitmore, B. et al. 2020, *Astrophysical Journal*, 889, 154
“LEGUS and H α -LEGUS Observations of Star Clusters in NGC 4449: Improved Ages and the Fraction of Light in Clusters as a Function of Age”
200. Aniano, G. et al. 2020, *Astrophysical Journal*, 889, 150
“Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: The KINGFISH Sample”
199. Elmegreen, B. et al. 2020, *Astrophysical Journal*, 888, 27
“Spatial Segregation of Massive Clusters in Dwarf Galaxies”
198. Lopez-Rodriguez, E. et al. 2020, *Astrophysical Journal*, 888, 66
“SOFIA/HAWC+ Traces the Magnetic Fields in NGC 1068”
197. Cignoni, M. et al. 2019, *Astrophysical Journal*, 887, 112
“Star Formation Histories of the LEGUS Dwarf Galaxies. III. The Nonbursty Nature of 23 Star-forming Dwarf Galaxies”
196. Crocker, A. et al. 2019, *Astrophysical Journal*, 887, 105
“[C I](1–0) and [C I](2–1) in Resolved Local Galaxies”
195. Schinnerer, E. et al. 2019, *Astrophysical Journal*, 887, 49
“The Gas—Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations”
194. Jarrett, T. et al. 2019, *Astrophysical Journal Supplements*, 245, 25
“The WISE Extended Source Catalog (WXSC). I. The 100 Largest Galaxies”
193. Sutter, J.[†], Dale, D. et al. 2019, *Astrophysical Journal*, 886, 60
“Using C[II] 158 μ m Emission from Isolated ISM Phases as a Star-formation Rate Indicator”
192. Hannon, S.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 490, 4648
“H α Morphologies of Star Clusters: A LEGUS study of HII region evolution timescales and stochasticity in low mass clusters”
191. Ho, I. et al. 2019, *Astrophysical Journal*, 885, 31
“Mapping Electron Temperature Variations across a Spiral Arm in NGC 1672”
190. Turner, J.[†], Dale, D. et al. 2019, *Astrophysical Journal*, 884, 112
“An ALMA/HST Study of Millimeter Dust Emission and Star Clusters”
189. Santos, F. et al. 2019, *Astrophysical Journal*, 882, 113
“The Far-infrared Polarization Spectrum of Rho Ophiuchi A from HAWC+/SOFIA Observations”
188. Cook, D. et al. 2019, *Astrophysical Journal*, 880, 7
“Census of the Local Universe (CLU) Narrowband Survey. I. Galaxy Catalogs from Preliminary Fields”
187. Staudaher, S., Dale, D. et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 486, 1995
“The Extended Disc Galaxy Exploration Science Survey: description and surface brightness profile properties”

186. Sacchi, E. et al. 2019, *Astrophysical Journal*, 878, 1
 “Star Formation Histories of the LEGUS Spiral Galaxies. I. The Flocculent Spiral NGC 7793”
185. Cook, D. et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 484, 4897
 “Star cluster catalogues for the LEGUS dwarf galaxies”
184. Chuss, D. et al. 2019, *Astrophysical Journal*, 872, 187
 “HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1”
183. Dale, D., Sutter, J.[†], & Kloster, D.[†] 2019, *The Physics Teacher*, 57, 547
 “Asking Real-World Questions with Inquiry-Based Labs”
182. Grasha, K.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 483, 4707
 “The spatial relation between young star clusters and molecular clouds in M51 with LEGUS”
181. Kasper, D.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 483, 3781
 “A transmission spectrum of HD 189733b from multiple broad-band filter observations”
180. Hunt, L. et al. 2019, *Astronomy & Astrophysics*, 612, 51
 “Comprehensive comparison of models for spectral energy distributions from 0.1 μm to 1 mm of nearby star-forming galaxies”
179. Grasha, K.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 481, 1016
 “Connecting Young Star Clusters to CO Molecular Gas in NGC 7793 with ALMA-LEGUS”
178. Hunter, D. et al. 2018, *Astronomical Journal*, 156, 21
 “A Comparison of Young Star Properties with Local Galactic Environment for LEGUS/LITTLE THINGS Dwarf Irregular Galaxies”
177. Richards, E.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 476, 5127
 “Baryonic distributions in galaxy dark matter haloes - II. Final results”
176. Shabani, F.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 478, 3590
 “Search For Star Cluster Age Gradients Across Spiral Arms of Three LEGUS Disk Galaxies”
175. Sacchi, E. et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 857, 63
 “Star Formation Histories of the LEGUS Dwarf Galaxies. II. Spatially Resolved Star Formation History of the Magellanic Irregular NGC 4449”
174. Messa, M.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 679
 “The young star cluster population of M51 with LEGUS - II. Testing environmental dependencies”
173. Sabbi, E.[†] et al. 2018, *Astrophysical Journal Supplements*, 235, 23
 “The Resolved Stellar Populations in the LEGUS Galaxies”
172. Cignoni, M. et al. 2018, *Astrophysical Journal*, 856, 62
 “Star Formation Histories of the LEGUS Dwarf Galaxies. I. Recent History of NGC 1705, NGC 4449, and Holmberg II”
171. Kahre, L.[†] et al. 2018, *Astrophysical Journal*, 855, 133
 “Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS”
170. Smercina, A.[†] et al. 2018, *Astrophysical Journal*, 855, 51
 “After the Fall: The Dust and Gas in E+A Post-starburst Galaxies”
169. Hunter, D. et al. 2018, *Astrophysical Journal*, 855, 7
 “A Study of Two Dwarf Irregular Galaxies with Asymmetrical Star Formation Distributions”
168. Messa, M.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 473, 996
 “The young star cluster population of M51 with LEGUS - I. A comprehensive study of cluster formation and evolution”

167. Croxall, K. et al. 2017, *Astrophysical Journal*, 850, 96
“The Origins of [CII] Emission in Local Star-forming Galaxies”
166. Cluver, M. et al. 2017, *Astrophysical Journal*, 850, 68
“Calibrating Star Formation in WISE Using Total Infrared Luminosity”
165. Ashworth, G.[†] et al. 2017, *Monthly Notices of the Royal Astronomical Society*, 469, 2464
“Exploring the IMF of star clusters: a joint SLUG and LEGUS effort”
164. Kirkpatrick, A. et al. 2017, *Astrophysical Journal*, 843, 71
“A Controlled Study of Cold Dust Content in Galaxies from $z = 0-2$ ”
163. Grasha, K.[†] et al. 2017, *Astrophysical Journal*, 842, 25
“Hierarchical Star Formation in Turbulent Media: Evidence from Young Star Clusters”
162. Abdullah, A.[†] et al. 2017, *Astrophysical Journal*, 842, 4
“The Origin of [C ii] 157 03bcm Emission in a Five-component Interstellar Medium: The Case of NGC 3184 and NGC 628”
161. Adamo, A. et al. 2017, *Astrophysical Journal*, 841, 131
“Legacy ExtraGalactic UV Survey with The Hubble Space Telescope: Stellar Cluster Catalogs and First Insights Into Cluster Formation and Evolution in NGC 628”
160. Ryon, J.[†] et al. 2017, *Astrophysical Journal*, 841, 92
“Effective Radii of Young, Massive Star Clusters in Two LEGUS Galaxies”
159. Grasha, K.[†] et al. 2017, *Astrophysical Journal*, 840, 113
“The Hierarchical Distribution of the Young Stellar Clusters in Six Local Star-forming Galaxies”
158. Gouliermis, D., et al. 2017, *Monthly Notices of the Royal Astronomical Society*, 468, 509
“Hierarchical star formation across the grand-design spiral NGC 1566”
157. Dale, D., et al. 2017, *Astrophysical Journal*, 837, 90
“Updated 34-band Photometry for the Sings/KINGFISH Samples of Nearby Galaxies”
156. Tabatabaei, F. et al. 2017, *Astrophysical Journal*, 836, 185
“The Radio Spectral Energy Distribution and Star-formation Rate Calibration in Galaxies”
155. Herrera-Camus, R. et al. 2017, *Astrophysical Journal*, 835, 201
“Thermal Pressure in the Cold Neutral Medium of Nearby Galaxies”
154. Smith, J.-D.T. et al. 2017, *Astrophysical Journal*, 834, 5
“The Spatially Resolved [CII] Cooling Line Deficit in Galaxies”
153. Dobbs, C.L. et al. 2017, *Monthly Notices of the Royal Astronomical Society*, 463, 3580
“The properties, origin and evolution of stellar clusters in galaxy simulations and observations”
152. Kobulnicky, H.A. et al. 2016, *Astrophysical Journal Supplements*, 227, 18
“A Comprehensive Search for Stellar Bowshock Nebulae in the Milky Way: A Catalog of 709 Mid-infrared Selected Candidates”
151. Cook, D.O., Dale, D. et al. 2016, *Monthly Notices of the Royal Astronomical Society*, 462, 3766
“The connection between galaxy environment and the luminosity function slopes of star-forming regions”
150. de Blok, W.J.G. et al. 2016, *Astronomical Journal*, 152, 51
“Comparing [CII], HI, and CO Dynamics of Nearby Galaxies”
149. Richards, E.[†] et al. 2016, *Monthly Notices of the Royal Astronomical Society*, 460, 689
“Baryonic distributions in galaxy dark matter haloes - I. New observations of neutral and ionized gas kinematics”
148. Boquien, M. et al. 2016, *Astronomy & Astrophysics*, 591, 6
“Towards universal hybrid star formation rate estimators”

147. Kobulnicky, H.A. & Dale, D. 2016, *Journal of College Science Teaching*, 45, No. 6, p. 17
“A Community Mentoring Model for STEM Undergraduate Research Experiences”
146. Dale, D. et al. 2016, *Astronomical Journal*, 151, 4
“Radial Star Formation Histories in Fifteen Nearby Galaxies”
145. Grasha, K.[†] et al. 2015, *Astrophysical Journal*, 815, 93
“The Spatial Distribution of the Young Stellar Clusters in the Star-Forming Galaxy NGC 628”
144. Staudaher, S.[†], Dale, D. et al. 2015, *Monthly Notices of the Royal Astronomical Society*, 454, 3613
“The stellar halo and tidal streams of Messier 63”
143. Calzetti, D. et al. 2015, *Astrophysical Journal*, 811, 75
“The Brightest Young Star Clusters in NGC 5253”
142. Gouliermis, D.A. et al. 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 3508
“Hierarchical star formation across the ring galaxy NGC 6503”
141. Richards, E.[†] et al. 2015, *Monthly Notices of the Royal Astronomical Society*, 449, 3981
“Baryonic distributions in the dark matter halo of NGC 5005”
140. Hunt, L. et al. 2015, *Astronomy & Astrophysics*, 576, 33
“Cool dust heating and temperature mixing in nearby star-forming galaxies”
139. van der Laan, T. et al. 2015, *Astronomy & Astrophysics*, 575, 83
“Heating and cooling of the neutral ISM in the NGC 4736 circumnuclear ring”
138. Herrera-Camus, R. et al. 2015, *Astrophysical Journal*, 800, 1
“[C II] 158 μm Emission as a Star Formation Tracer”
137. de los Reyes, M.* et al. 2015, *Astronomical Journal*, 149, 79
“The Relationship between Stellar Mass, Gas Metallicity, and Star Formation Rate for H α -Selected Galaxies at $z \sim 0.8$ from the NewHalpha Survey”
136. Groves, B. et al. 2015, *Astrophysical Journal*, 799, 96
“Dust Continuum Emission as a Tracer of Gas Mass in Galaxies”
135. Cook, D.[†], Dale, D. et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 445, 899
“Spitzer Local Volume Legacy (LVL) SEDs and Physical Properties”
134. Cook, D.[†], Dale, D. et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 445, 890
“Empirical ugri-UBVRc Transformations for Galaxies”
133. Cook, D.[†], Dale, D. et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 445, 881
“The Spitzer Local Volume Legacy (LVL) Global Optical Photometry”
132. Kobulnicky, H. et al. 2014, *Astrophysical Journal Supplements*, 213, 34
“Toward Complete Statistics of Massive Binary Stars: Penultimate Results from the Cygnus OB2 Radial Velocity Survey”
131. Kreckel, K. et al. 2014, *Astrophysical Journal*, 790, 26
“A Far-IR View of the Starburst-Driven Superwind in NGC 2146”
130. Kirkpatrick, A.[†] et al. 2014, *Astrophysical Journal*, 789, 130
“Untangling the Nature of Spatial Variations of Cold Dust Properties in Star Forming Galaxies”
129. Barnes, K. et al. 2014, *Astrophysical Journal*, 789, 126
“New Insights on the Formation and Assembly of M83 from Deep Near-infrared Imaging”

128. Galametz, M. et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 439, 2542
“Dissecting the origin of the submillimetre emission in nearby galaxies with Herschel and LABOCA”
127. Dale, D. et al. 2014, *Astrophysical Journal*, 784, 83
“A Two-Parameter Model for the Infrared/Submillimeter/Radio Spectral Energy Distributions of Galaxies and AGN”
126. Magdis, G. et al. 2013, *Astronomy & Astrophysics*, 558, 136
“Mid- to Far-Infrared Properties of Star-Forming Galaxies and Active Galactic Nuclei”
125. Pellegrini, E. et al. 2013, *Astrophysical Journal Letters*, 779, 19
“Shock Excited Molecules in NGC 1266: ULIRG Conditions at the Center of a Bulge-Dominated Galaxy”
124. Kirkpatrick, A.[†] et al. 2013, *Astrophysical Journal*, 778, 51
“Investigating the Presence of 500 μ m Excess Emission in Local Star-Forming Galaxies”
123. Croxall, K. et al. 2013, *Astrophysical Journal*, 777, 96
“Towards A Removal of Temperature Dependencies from Abundance Determinations: NGC 628”
122. Grasha, K.[†] et al. 2013, *Astrophysical Journal*, 773, 174
“The Nature of the Second Parameter in the IIRX- β Relation for Local Galaxies”
121. Sandstrom, K. et al. 2013, *Astrophysical Journal*, 777, 5
“The CO-to-H₂ Conversion Factor and Dust-to-Gas Ratio on Kiloparsec Scales in Nearby Galaxies”
120. Kreckel, K. et al. 2013, *Astrophysical Journal*, 771, 62
“Mapping Dust Through Emission and Absorption in Nearby Galaxies”
119. Johnson, B. et al. 2013, *Astrophysical Journal*, 772, 8
“Measuring Galaxy Star Formation Rates from Integrated Photometry: Insights from Color-Magnitude Diagrams of Resolved Stars”
118. Wei, P. et al. 2013, *Astrophysical Journal*, 772, 28
“Mid-Infrared Spectral Properties of Post-Starburst Quasars”
117. Li, Y.[†] et al. 2013, *Astrophysical Journal*, 768, 180
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3. Sydor, M., Badakhshan, A., **Dale, D.*** , Alavi, K. & Pathak, R. 1993, *Applied Physics Letters*, 63, 4
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1. Sydor, M., Badakhshan, A., Engholm, J.* & **Dale, D.*** 1991, *Applied Physics Letters*, 58, 9
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Postdocs/Postbacs

2004-2005	Christine Lamanna	Haverford College	2004 B.A.
2005	Brent Buckalew	Rice University	2003 Ph.D.
2005-2007	Rebecca Barlow	Mt. Holyoke College	2005 B.A.
2006-2007	Shianne Kattner	U. Wyoming	2006 B.S.
2007-2008	Seth Cohen	Wesleyan U.	2007 B.S.
2007-2008	Cliff Johnson	Colby College	2007 B.S.
2008	Micah Schuster	U. Wyoming	2007 B.S.
2008-2009	Dave Cook	U. Minnesota	2008 B.S.
2008-2010	Shawn Staudaher	R.I.T.	2008 B.S.
2016	Jordan Turner	U. Wyoming	2015 B.S.

Graduate Students (committees chaired)

2021 Ph.D.	Jordan Turner	2015 B.S. U. Wyoming
2021 Ph.D.	Jessica Sutter	2015 B.S. Whitman College
2019 M.S.	Emily Jensen	2016 B.S. Boise St.
2018 M.S.T.	Stephanie Mapes	2016 B.S. U. Hawaii
2017 M.S.	Derek Hand	2016 B.S. U. Hawaii
2017 Ph.D.	Shawn Staudaher	2008 B.S. R.I.T.
2015 Ph.D.	Dave Cook	2008 B.S. U. Minnesota
2015 M.S.	Jyoti Pandey	2013 B.S. U. Wyoming
2015 M.S.	Tika Neupane	2013 B.S. Tribhuvan U.
2015 M.S.T.	Sean Smith	1999 B.A. U. Wyoming
2015 M.S.T.	Barry Fuller	
2015 M.S.	Nasrin Sadeghzadeh	2009 B.S.
2014 M.S.T.	Coty Tatge	2012 B.S. Carthage College
2014 M.S.T.	Chris Garcia	
2014 M.S.T.	Michael Sibbersen	1993 B.S. U. Nebraska-Kearney
2014 M.S.T.	Mark Reiser	2002 B.S. U. Wisconsin-Stevens Point
2014 M.S.T.	Heather Malody	2007 B.A. U. Wyoming
2014 M.S.T.	Joseph Gutierrez	20xx B.S. Adamson U.
2013 M.S.	Dan Gershun	2011 B.S. U. Hartford
2012 M.S.	Brian Scoggins	2010 B.S. U. Wyoming
2011 M.S.T.	Trent Mankowski	2008 B.S. U. Wyoming
2011 M.S.T.	Zohreh Souri	2009 B.S. Alzahra U.
2010 Ph.D.	Carolynn Moore	2004 B.A. Concordia College
2010 M.S.	Clint Law	
2005 M.S.	Travis Laurance	2003 B.S. U. Tennessee

Undergraduate Research Assistants

2019-2020 Alex Slane, Dalton Proud, Nathan Lane, Shayn Gilligan (UW)

2018-2019 Alex Slane, Chance Blankenship, Dalton Proud, Rebecca Ray (UW), Zack Carter (Trinity), Chelsea Adelman (Cal Poly Pomona), Anna Murphree (Rhodes), Micah Oeur (Cal State Long Beach), Thomas Roth, Kianna Olson (UW), Sam Schonsberg (Montana), Theodora Zastrocky (Regis)

2017-2018 Ryan Parziale, Alex Slane, Isaiah de la Torre, Nathan Small, Rebecca Sorber, Chase Smith (UW), Kirby Anderson (CSLongBeach), Louis Bran (CSChannellIslands), Isaiah Cox (East Tennessee St), Carrie Drake (Whitman), Jacob Pilawa (Colgate), Susana Soto (Cerritos College)

2016-2017 Ryan Parziale, Kaylee Schimpf, McKell Lyon (UW), Jackson Cole (MTSU), Cristilyn Cortez (CSSanBernadino), Bethany Garver (Seattle Pacific), Kyla Jarka (Colorado College), David PeQueen (Embry Riddle), Daniel Rivera (SDSU), Jack Small (Laramie High)

2015-2016 Jordan Turner, Ryan Parziale, Adam Kacmarsky (UW), Neil Bassett (Indiana), Sophie Deam (Iowa), Emily Griffith (Grinnell), William Harvey (Concordia), Brad Lyke (Long Beach), Evan Nunez (El Camino), Catherine Witherspoon (JMU)

2014-2015 Julian Andrews (CPP), Grace Olivier (Case Western), Rebecca Sorber (FRCC), Heather Wernke (ERAU), Stephan Munari, Jordan Turner (UW)

2013-2014 Gillian Beltz-Mohrmann (Wellesley), Arika Egan (NMU), Alan Hatlestad, Jareth Roberts (UW), Laura Herzog (MSM), Andrew Leung (Rutgers), Jacob McLane (NAU), Katie Lester (Lehigh), Jamie Burke (Swarthmore), James Chapman (MCLA), Erica Keller (Mt. Holyoke),

2012-2013 Amy Miller, Jyoti Pandey, Brandon Lopez (UW), Caroline Roberts (Sewanee), Nicholas Erickson

2011-2012 (College of New Jersey), Mara Johnson-Groh (Gustavus Adolphus),

2010-2011 Jyoti Pandey (UW)

2009-2010 Jyoti Pandey (UW)

2008-2009 Jyoti Pandey, Sujan Khandal (UW)

2007-2008 Anna Fahlsing, Jake Thatcher (UW), Kimberly Aller (Berkeley), Everett Schlawin (Oberlin)

2006-2007 Megan Bagley, Emily May, Micah Schuster, Jake Thatcher (UW), Everett Schlawin (Oberlin)

2005-2006 Heather Hanson, Jake Thatcher, Marcus Herman (UW), Lisa Carpenter (Michigan)

2004-2005 Heather Hanson (UW), Erick Smith (Tennessee)

2003-2004 Kim Dupczak, Keisuke Fukutani (UW), Rebecca Harbison (Nebraska)

2002-2003 Richard Cool, Kim Dupczak (UW), Anna Haugsjaa (Montana)

2001-2002 Richard Cool, Sarah Stokes (UW), Magdalena Eftimova (De Paul)

2000-2001 Eric Murphy (Tufts)

1999-2000 Yuki Takahashi (Caltech)

1998-1999 Katie Whitman (Cornell)

1996-1997 William Schomaker (U. Georgia)

1995-1996 Stuart Norton (Wesleyan), Matthew Schwartz (Penn), Elise Furlan (Innsbruck)

1994-1995 Michael Dunnigan (Wisconsin)

1991-1992 Michael Johnson (Minnesota-Duluth)

Research Experience for Teachers

2006 Michelle (Miller) Long (Natrona County School District, Casper, WY)

2005 Chad Sharpe (Kelly Walsh High, Casper, WY)

2004 Charles Miller (Princeton High, MN)

2002 Charles Miller (Princeton High, MN)