

Benjamin J. Weiner
Curriculum Vitae

Address

MMT/Steward Observatory	telephone: 520.626.3508
Department of Astronomy	fax: 520.621.4144
University of Arizona	email: bjw@mmto.org
933 N. Cherry St.	web: http://mingus.mmto.arizona.edu/~bjw
Tucson, AZ 85721	

Current Position

March 2017 – present: Assistant Staff Scientist, MMT Observatory, and Associate Astronomer, Steward Observatory.

July 2013 – March 2017: Associate Astronomer, Steward Observatory Infrared Astronomy group.

Sept. 2006 – July 2013: Assistant Astronomer, Steward Observatory, with the Infrared Group and MIPS (Multiband Imaging Photometer for Spitzer) team.

Education

Ph.D. in Physics and Astronomy, Rutgers University, NJ, 1998. Dissertation Topic: *The Dynamics of Barred Spiral Galaxies: Masses and Pattern Speeds* (Supervisors: Dr. T.B. Williams, Dr. J.A. Sellwood).

B.A., Physics and English Literature, Swarthmore College, Swarthmore, PA, 1989.

Research Interests and Expertise

Galaxy formation and evolution through observations of galaxy properties including star formation indicators, luminosity, structure, kinematics, outflows, from local to redshift $z > 1$.

Large photometric and spectroscopic datasets; redshift surveys; dark energy/baryon acoustic oscillation surveys, calibration of photometric samples via spectroscopy.

Structure and dynamics of local galaxies: properties of dark matter halos; origin and evolution of bars and bulges in disk galaxies; photometric and kinematic observations, in optical and radio; computational simulations.

Near and far infrared astronomy; optical, infrared, and radio/sub-mm spectroscopy.

The outer galaxy; dwarf satellites; gas in galactic halos, the Magellanic Stream, and high-velocity clouds; galactic winds and outflows.

Instrumentation: imaging spectroscopy, including multi-slit, Fabry-Perot, integral field, and radio interferometry; queue and remote telescope scheduling and operations. Experience with building, pre-ship review, commissioning, and writing software for the Maryland-Magellan Tunable Filter. User and operations support for Binospec at MMT.

Astronomical software and data reduction techniques, including crowded-field photometry, multi-slit, 3-D, slitless spectroscopy, and interferometry; analysis of large survey and 3-D datasets, robust statistics; programming in multiple languages/platforms.

Research Experience

2004 – 2006 Postdoctoral researcher, University of Maryland, Maryland-Magellan Tunable Filter instrument project, PI: Dr. Sylvain Veilleux

2000 – 2004 Postdoctoral researcher, DEEP Project at UCO/Lick Observatory, affiliated with the Deep Extragalactic Evolutionary Probe (DEEP) Project (<http://deep.ucolick.org>)

1998 – 2000 Barbara McClintock Fellow, Observatories of the Carnegie Institution of Washington

1992 – 1997 Ph.D. research with Drs. T.B. Williams & J.A. Sellwood: *The Dynamics of Barred Spiral Galaxies: Masses and Pattern Speeds*

1990 – 1991 research assistant, neurobiology, in lab of Dr. Peter Sterling, University of Pennsylvania School of Medicine

Teaching Experience

Teaching Assistant, Rutgers University, 1993–1994: Instructor for Introductory Physics Recitation (4 sections, ~ 25 students each). Instructor for Introductory Physics Lab (3 sections, ~ 25 students each)

Astronomy Public Observing and Open Houses, Rutgers University, 1993–1997: Education and outreach – rooftop observing for introductory classes and the public

Physics Laboratory Manager, Simmons College, Boston, MA, 1989–1990

Collaborators and Students

Graduate students with whom I have collaborated and assisted in their thesis research:

Kathy Cooksey (UC Santa Cruz)

Michael Cooper (UC Berkeley)

Tim Dolley (Monash)

Stephanie Juneau (Arizona)

Susan Kassin (OSU)

Nick Konidakis (UC Santa Cruz)

Lihwai Lin (UCSC/National Taiwan Univ.)

David Palamara (Monash)

Kyle Penner (Arizona)

Kate Rubin (UC Santa Cruz)

Wiphu Rujopakarn (Arizona)

Peter Senchyna (Arizona)

Raymond Simons (JHU)

Justin Spilker (Arizona)

Lei Xu (Arizona)

Renbin Yan (UC Berkeley)

Collaborators (partial): R. Bezanson (Pittsburgh), K. Bundy (UCSC), H.-W. Chen (Chicago), A.L. Coil (UCSD), M.C. Cooper (UC Irvine), M. Davis (Berkeley), A. Dey (NOAO), M.E. Dickinson (NOAO), S.M. Faber (UCSC), S. Finkelstein (Texas), M. Geha (Yale), P. Guhathakurta (UCSC), B.T. Jannuzi (Arizona), S.A. Kassin (STScI), D.C. Koo (UCSC), L. Lin (ASIAA), J.M. Lotz (STScI), Y.-Y. Mao (Utah), K.G. Noeske (Heidelberg), C. Pacifici (GSFC), C. Papovich (Texas A&M), J.X. Prochaska (UCSC), G.H. Rieke (Arizona), A. Riess (JHU/STScI), S. Rodney (S. Carolina), K. Rubin (SDSU), G. Rudnick (Kansas), W. Rujopakarn (IPMU), J.A. Sellwood (Rutgers/Arizona), L.J. Tacconi (MPE), E. Tollerud (STScI), C.A. Tremonti (Wisconsin), J.R. Trump (U. Conn.), J.H. van Gorkom (Columbia), S. Veilleux (Maryland), S.N. Vogel (Maryland), F. Wal-

ter (MPIA), R. Wechsler (Stanford), T.B. Williams (Rutgers/SAAO), C.N.A. Willmer (Arizona), R. Yan (Kentucky), D. Zaritsky (Arizona)

Collaborations, Observing, and Projects

Member of the DEEP2, CANDELS, SDSS-3/BOSS, PHIBSS, and CEERS collaborations

Principal Investigator of successful proposals with:

Hubble Space Telescope • Herschel Space Observatory • SOFIA Observatory • Atacama Large Millimeter Array • LBT (Large Binocular Telescope) 2x8-m telescope • Keck I 10-m • MMT 6.5-m • Magellan II 6.5-m • Las Campanas Observatory 2.5-m, 1-m • NRAO Very Large Array • Cerro Tololo Interamerican Observatory 4-meter, 1.5-m, 0.9-m • XMM-Newton

PI of SOFIA Cycle 6 and Cycle 7 programs, “Far-IR lines in highly ionized dwarf starbursts: toward understanding high-redshift [C II] and [O III] emission”

Co-I/Arizona lead on JWST Cycle 1 program, PI Susan Kassin, “A Pathfinder for JWST Spectroscopy: Deep High Spectral Resolution Maps of Galaxies over $1 < z < 6$ ”

Technical/implementation PI (with PI M. Hart, UA Optical Sciences) of Stellarview, UA/Lockheed/DARPA contract for developing an observational network / queue observing capability to respond to observation requests for space situational awareness

PI of HST/WFC3 program GO-11600, Cycle 17, “Star formation, extinction, and metallicity at $0.7 < z < 1.5$: H-alpha fluxes and size from a grism survey of GOODS-N”

PI of Herschel program accepted in Open Time 1 call, “Physical conditions in disk U/LIRGs from [C II] and [O I] spectra - low-z analogs for high-z starforming galaxies”

PI of Herschel program accepted in Open Time 2 call, “Physical conditions in disk U/LIRGs from far-IR line flux ratios - low-z analogs for high-z starforming galaxies”

Co-I on successful proposals for Hubble, Spitzer Space Telescope, Herschel, Chandra, Keck 10-m, MMT, Magellan, Las Campanas, Subaru, ESO/VLT, WIYN, Kitt Peak 4-m, the VLA, and FUSE

Co-I on Hubble Space Telescope multi-cycle Treasury program, CANDELS: Cosmic Assembly Near-IR Deep Extragalactic Legacy Survey, PIs: Sandra Faber and Harry Ferguson

Co-I and data lead for Spitzer Legacy program, MAGES: the MIPS AGN and Galaxy Evolution Survey, PI: Buell Jannuzi

Co-I on Spitzer Warm Mission large survey, SEDS, the Spitzer Extended Deep Survey, PI: Giovanni Fazio

Co-I on HST/ACS Large project, Extended Groth Strip imaging survey, PI: Marc Davis

Collaborator on successful NSF Advanced Technologies in Instrumentation proposal for a Fabry-Perot/tunable filter system for the Magellan 6.5-meter telescope, PI Sylvain Veilleux (Maryland)

Observing experience at LBT 2x8-m; Keck 10-m; Magellan 6.5-m; MMT 6.5-m; WIYN 3.6-m; Kitt Peak 4-m; Las Campanas 1-m, 2.5-m; Steward 1.5-m; CTIO 0.9-m, 1.5-m, 4-m; Palomar 1.5-m; NRAO VLA telescopes

External Funding

Co-I, JWST program GO-2123 “A Pathfinder for JWST Spectroscopy: Deep High Spectral Resolution Maps of Galaxies over $1 < z < 6$,” PI Susan Kassin, ~\$300K (partially pending), 2022-2025

PI, SOFIA programs 06_0204 and 07_0114, “Far-IR lines in highly ionized dwarf starbursts: toward understanding high-redshift [C II] and [O III] emission”, \$53,100, 2018-2020

PI, HST program GO-11600, “Star formation, extinction, and metallicity at $0.7 < z < 1.5$: H-alpha fluxes and size from a grism survey of GOODS-N,” \$204,593, 2009-2012

PI, Herschel program OT2_bweiner_2, “Physical conditions in disk U/LIRGs from far-IR line flux ratios - low-z analogs for high-z starforming galaxies,” \$98,467, 2012-14

PI, Herschel program OT1_bweiner_1, “Physical conditions in disk U/LIRGs from [C II] and [O I] spectra - low-z analogs for high-z starforming galaxies,” \$48,566, 2011-2013

Technical/implementation PI (with Michael Hart), Stellarview, DARPA/Lockheed contract to develop observing capabilities for space situational awareness, \$600K, 2015-2016

Co-I, HST program GO-14227, “The Candels Lyman-Alpha Emission at Reionization (CLEAR) Experiment,” PI Casey Papovich, \$27,000, 2016

Co-I, HST program GO-13785, “Stellar Populations and Ionization States of Lyman Alpha Emitters,” PI Naveen Reddy, \$19,293, 2014

Co-I, HST program GO-13839, “The Lyman Alpha Extended Halo of a Quasar at $z > 6$,” PI Emanuele Farina, \$35,764, 2014

Co-I, Herschel program OT2_mdickins_1, “Herschel+CANDELS: Unraveling the physical processes that regulate star formation and AGN activity in ordinary galaxies at $z=2$,” PI Mark Dickinson, \$30,000, 2012-14

Co-I, HST program GO-12547, “Measuring the Star-Formation Efficiency of Galaxies at $z > 1$ with Sizes and SFRs from HST Grism Spectroscopy,” PI Michael Cooper, \$38,406, 2012-2014

Co-I, HST multi-cycle Treasury program 12060, “CANDELS: Cosmic Assembly Near-IR Deep Extragalactic Legacy Survey,” PIs Sandra Faber & Harry Ferguson, \$76,424, 2010-2015

Co-I, HST program GO-12945, “Spatially Resolved Observations of Gas Stripping in Intermediate Redshift Clusters and Groups,” PI Gregory Rudnick, \$19,000, 2013

Co-I, Spitzer Legacy program 50148, “MAGES: MIPS AGN and Galaxy Evolution Survey,” PI Buell Jannuzi, NASA/JPL #1366853, \$50,000, 2009

Co-I, Spitzer Legacy program 50249, “Ultra-deep MIPS imaging of the Lockman Hole,” PI Eiichi Egami, NASA/JPL #1364819, \$20,000, 2009

Co-I, Spitzer program 50660, “Galaxies and AGN at $z \sim 1$: IRAC observations of DEEP2,” PI Christine Jones, NASA/JPL #1346438, \$29,480, 2008

Awards, Fellowships, and Professional Service

Referee of articles for the *Astrophysical Journal Letters*, *Astrophysical Journal*, *Monthly Notices of the R.A.S.*, and *Astronomy & Astrophysics*

Spitzer Space Telescope Time Allocation Committee

Hubble Space Telescope Telescope Allocation Committee

NOAO Time Allocation Committee

Steward Observatory Telescope Allocation Committee (2014-2016, 2019-2023)

NSF-AST proposal panel reviewer

Reviewer for NRAO’s Green Bank Telescope

Chair, AAS Tinsley Prize selection committee (2017)

Arizona Strittmatter Fellowship selection committee (2023)

Organizer, Steward Observatory Galaxy Group lunch talks, 2012-present
 1998 – 2000 Barbara McClintock Postdoctoral Fellowship, OCIW.
 1994 – 1996 Research Assistantship at Rutgers University.
 1993 – 1994 Teaching Assistantship at Rutgers University.
 1991 – 1993 U.S. Department of Education Fellowship, Rutgers University.

Selected Colloquia and Talks

UC Santa Cruz, 2015
 New Mexico State University, 2015
 “Far-IR Fine Structure Lines Workshop,” Heidelberg, 2015
 “Tools for Astronomical Big Data,” Tucson, 2015
 “Formation and Growth of Galaxies in the Young Universe,” Obergurgl, Austria, 2014
 Max-Planck Institut für Astronomie, Heidelberg, 2013
 University of Wisconsin, 2012
 Kavli Institute for Cosmological Physics, University of Chicago, 2011
 “IFUs in the Era of JWST,” STScI, Baltimore, 2010
 “Extreme Starbursts in the Local Universe,” Granada, Spain, 2010
 University of Pittsburgh, 2010
 University of Texas, 2009
 Arizona State University, 2008
 “Galactic Structure and the Structure of Galaxies,” invited review, Ensenada, Mexico, 2008
 UC Santa Barbara, 2007
 University of Illinois, Urbana-Champaign, 2007

Publications

Refereed Publications: First-Author Papers

*† B.J. Weiner et al., 2009, “Ubiquitous Outflows in DEEP2 Spectra of Star-Forming Galaxies at $z=1.4$,” *ApJ*, 692, 187

B.J. Weiner et al., 2007, “AEGIS: Extinction and Star Formation Tracers from Line Emission,” *ApJL*, 660, L39

*† B.J. Weiner et al., 2006, “A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. I. Rotation and Dispersion Properties,” *ApJ*, 653, 1027

*† B.J. Weiner et al., 2006, “A Survey of Galaxy Kinematics to $z \sim 1$ in the TKRS/GOODS-N Field. II. Evolution in the Tully-Fisher Relation,” *ApJ*, 653, 1049

*† B.J. Weiner et al., 2005, “The DEEP Groth Strip Galaxy Redshift Survey. III. Redshift Catalog and Properties of Galaxies,” *ApJ*, 620, 595

B.J. Weiner, T.B. Williams, J.H. van Gorkom, & J.A. Sellwood, 2001, “The Disk and Dark Halo Mass of the Barred Galaxy NGC 4123. I. Observations,” *ApJ*, 546, 916

*† B.J. Weiner, J.A. Sellwood, & T.B. Williams, 2001, “The Disk and Dark Halo Mass of the Barred Galaxy NGC 4123. II. Fluid-Dynamical Models,” *ApJ*, 546, 931

† B.J. Weiner & J.A. Sellwood, 1999, “The Properties of the Galactic Bar Implied by Gas Kinematics in the Inner Milky Way,” *ApJ*, 524, 112

*Paper is one whose scientific contribution and my involvement I would especially like to highlight.

†Paper has over 100 citations.

*†B.J. Weiner & T.B. Williams, 1996, “Detection of H α Emission from the Magellanic Stream: Evidence for an Extended Gaseous Galactic Halo,” *AJ*, 111, 1156

Refereed Publications: Second- and Third-Author Papers ‡

J. Spilker, R. Bezanson, B.J. Weiner, K. Whitaker, C. Williams, 2019, “Evidence for Inside-out Galaxy Growth and Quenching of a $z \sim 2$ Compact Galaxy From High-resolution Molecular Gas Imaging”, *ApJ*, 883, 81

A. Bera, N. Kanekar, B.J. Weiner, S. Sethi, K.S. Dwarakanath, 2018, “Probing star formation in galaxies at $z \approx 1$ via a Giant Metrewave Radio Telescope stacking analysis,” *ApJ*, 865, 39

*R. Simons, S.A. Kassin, B.J. Weiner, J.R. Trump, T.M Heckman, D.C. Koo, C. Pacifici, J.R. Primack, G.F. Snyder, A. de la Vega, 2017, “ $z \sim 2$: An Epoch of Disk Assembly,” *ApJ*, 843, 46

C. Pacifici, S.A. Kassin, B.J. Weiner, B. Holden, J.P. Gardner, S.M. Faber, H.C. Ferguson, et al., 2016, “The Evolution of Star Formation Histories of Quiescent Galaxies,” *ApJ*, 832, 79

R. Simons, S.A. Kassin, B.J. Weiner, T.M. Heckman, J.C. Lee, J.M. Lotz, M. Peth, K. Tchernyshyov, 2015, “A transition mass in the local Tully-Fisher relation,” *MNRAS*, 452, 986

K. Penner, M. Dickinson, B.J. Weiner, H. Inami, J. Kartaltepe, J. Pforr, H. Nayyeri, S. Kassin, C. Papovich, A. Pope, 2015, “Dusty galaxies and the degeneracy between their dust distributions and the attenuation formula,” arXiv:1507.00728

T. Dolley, M.J.I. Brown, B.J. Weiner, M. Brodwin, C.S. Kochanek, K.A. Pimblet, D.P. Palamara, B.T. Jannuzi, A. Dey, D.W. Atlee, R. Beare, 2014, “The Clustering and Halo Masses of Star Forming Galaxies at $z < 1$,” *ApJ*, 797, 125

*W. Rujopakarn, G.H. Rieke, B.J. Weiner, M. Rex, G.L. Walth, J.S. Kartaltepe, 2013, “Mid-Infrared Determination of Total Infrared Luminosity and Star Formation Rates of Local and High-Redshift Galaxies,” *ApJ*, 767, 73

*C. Pacifici, S.A. Kassin, B.J. Weiner, S. Charlot, J.P. Gardner, 2013, “The rise and fall of the star formation histories of blue galaxies at redshifts $0.2 < z < 1.4$,” *ApJL*, 762, L15

*†S.A. Kassin, B.J. Weiner, S.M. Faber, J.P. Gardner, C.N.A. Willmer et al., 2012, “The Epoch of Disk Settling: $z \sim 1$ to Now,” *ApJ*, 758, 106

*J.R. Trump, B.J. Weiner et al., 2011, “A CANDELS WFC3 Grism Study of Emission-Line Galaxies at $z \sim 2$: A Mix of Nuclear Activity and Low-Metallicity Star Formation,” *ApJ*, 743, 144

*A.L. Coil, B.J. Weiner, D.E. Holz, M.C. Cooper, R. Yan, J. Aird, 2011, “Outflowing Galactic Winds in Post-starburst and AGN Host Galaxies at $0.2 < z < 0.8$,” *ApJ*, 743, 46

J.X. Prochaska, B.J. Weiner, H.-W. Chen, K.L. Cooksey, J.S. Mulchaey, 2011, “Probing the IGM/Galaxy Connection. IV. The LCO/WFCCD Galaxy Survey of 20 Fields Surrounding UV-bright Quasars,” *ApJS*, 193, 28

*†J.X. Prochaska, B.J. Weiner, H.-W. Chen, J.S. Mulchaey, K.L. Cooksey, 2011, “Probing the IGM/Galaxy Connection V: On the Origin of Ly α and OVI Absorption at $z < 0.2$,” *ApJ*, 740, 91

*†K.H.R. Rubin, B.J. Weiner, D.C. Koo, C.L. Martin, J.X. Prochaska, A.L. Coil, 2010, “The Persistence of Cool Galactic Winds in High Stellar Mass Galaxies Between $z \sim 1.4$ and ~ 1 ,” *ApJ*, 719, 1503

*S. Veilleux, B.J. Weiner, D.S.N. Rupke, M.A. McDonald, C. Birk, J. Bland-Hawthorn, A. Dressler, T. Hare, D. Osip, C. Pietraszewski, S. N. Vogel, 2010, “MMTF: The Maryland-Magellan

‡Papers to which I made a large contribution, mostly led by junior authors.

Tunable Filter,” *AJ*, 139, 145

*†G.H. Rieke, A. Alonso-Herrero, B.J. Weiner, P.G. Perez-Gonzalez, M. Blaylock, J.L. Donley, D. Marcillac, 2009, “Determining Star Formation Rates for Infrared Galaxies,” *ApJ*, 692, 556

*†M.C. Cooper, J.A. Newman, B.J. Weiner et al., 2008, “The DEEP2 Galaxy Redshift Survey: the role of galaxy environment in the cosmic star formation history,” *MNRAS*, 383, 1058

R. Zanmar Sanchez, J.A. Sellwood, B.J. Weiner, T.B. Williams. 2008, “Modeling the Gas Flow in the Bar of NGC 1365,” *ApJ*, 674, 797

†L. Lin, D.C. Koo, B.J. Weiner et al., 2007, “AEGIS: Enhancement of Dust-enshrouded Star Formation in Close Galaxy Pairs and Merging Galaxies up to $z \sim 1$,” *ApJL*, 660, L51

*†S.A. Kassin, B.J. Weiner et al., 2007, “The Stellar Mass Tully-Fisher Relation to $z = 1.2$ from AEGIS,” *ApJL*, 660, L35

*†K.G. Noeske, B.J. Weiner et al., 2007, “Star Formation in AEGIS Field Galaxies since $z=1.1$: The Dominance of Gradually Declining Star Formation, and the Main Sequence of Star-forming Galaxies,” *ApJL* 660, L47

J.X. Prochaska, B.J. Weiner, H.-W. Chen, J.S. Mulchaey, 2006, “Probing the Intergalactic Medium-Galaxy Connection toward PKS 0405-123. III. The Galaxy Survey and Correlations with O VI Absorbers,” *ApJ*, 643, 680

J.J. Harker, R.P. Schiavon, B.J. Weiner, S.M. Faber, 2006, “Population Synthesis Models for Late Buildup of the Red Sequence,” *ApJL*, 647, L103

S.A. Kassin, R.S. de Jong, B.J. Weiner, 2006, “Dark and Baryonic Matter in Bright Spiral Galaxies,” *ApJ*, 643, 804

H.-W. Chen, J.X. Prochaska, B.J. Weiner, J.S. Mulchaey, G.M. Williger, 2005, “Probing the Intergalactic Medium-Galaxy Connection toward PKS 0405-123. II. A Cross-Correlation Study of Ly α Absorbers and Galaxies at $z < 0.5$,” *ApJ*, 629, L25

Refereed Publications: Co-Authored Papers[§]

R. Larson et al, 2023, “A CEERS Discovery of an Accreting Supermassive Black Hole 570 Myr after the Big Bang: Identifying a Progenitor of Massive $z > 6$ Quasars,” submitted, arXiv:2303.08918

J. Trump et al, 2023, “The Physical Conditions of Emission-line Galaxies at Cosmic Dawn from JWST/NIRSpec Spectroscopy in the SMACS 0723 Early Release Observations,” *ApJ*, 945, 35

C. Hahn et al, 2023, “The DESI PRObabilistic Value-added Bright Galaxy Survey (PROVABGS) Mock Challenge,” *ApJ*, 945, 16

D. Alexander et al, 2023, “The DESI Survey Validation: Results from Visual Inspection of the Quasar Survey Spectra,” *AJ*, 165, 124

J. Zavala et al, 2023, “Dusty Starbursts Masquerading as Ultra-high Redshift Galaxies in JWST CEERS Observations,” *ApJL*, 943, L9

L. Shen et al, 2023, “CEERS: Spatially Resolved UV and mid-IR Star Formation in Galaxies at $0.2 < z < 2.5$: The Picture from the Hubble and James Webb Space Telescopes,” submitted, arXiv:2301.05727

T.-W. Lan et al, 2023, “The DESI Survey Validation: Results from Visual Inspection of Bright

[§]Surveys such as DEEP2, CANDELS, SDSS, DESI use a convention of listing authors who have made the largest direct contributions to a paper in order of effort, followed by the remainder of the contributors in alphabetical tiers by level of effort. For selected papers, author lists are partially spelled out.

Galaxies, Luminous Red Galaxies, and Emission-line Galaxies,” ApJ, 943, 68

C. Papovich et al, 2023. “CEERS Key Paper IV: Galaxies at $4 < z < 9$ are Bluer than They Appear – Characterizing Galaxy Stellar Populations from Rest-Frame ~ 1 micron Imaging,” submitted, arXiv:2301.00027

I. Jung et al, 2022, “New $z > 7$ Lyman-alpha Emitters in EGS: Evidence of an Extended Ionized Structure at $z \sim 7.7$,” submitted, arXiv:2022.09850

E. Darragh-Ford et al, 2022, “Target Selection and Sample Characterization for the DESI LOW-Z Secondary Target Program,” submitted, arXiv:2212.07433

[†]S. Finkelstein et al, 2022, “A Long Time Ago in a Galaxy Far, Far Away: A Candidate $z \sim 12$ Galaxy in Early JWST CEERS Imaging,” ApJL, 940, L55

S. Finkelstein et al, 2022, “CEERS Key Paper I: An Early Look into the First 500 Myr of Galaxy Formation with JWST,” submitted, arXiv:2211.05792

S. Fujimoto et al, 2022, “ALMA FIR View of Ultra High-redshift Galaxy Candidates at $z \sim 11 - 17$: Blue Monsters or Low- z Red Interlopers?,” submitted, arXiv:2211.03896

N. Cleri et al, 2022, “CLEAR: High-Ionization [Ne V] $\lambda 3426$ Å Emission-line Galaxies at $1.4 < z < 2.3$,” submitted, arXiv:2209.06247

C. Papovich et al, 2022, “CLEAR: The Ionization and Chemical-enrichment Properties of Galaxies at $1.1 < z < 2.3$,” ApJ, 937, 22

J. Matharu et al, 2022, “CLEAR: The Evolution of Spatially Resolved Star Formation in Galaxies between $0.5 \leq z \leq 1.7$ Using H α Emission Line Maps,” ApJ, 937, 16

W. Wang et al, 2022, “The Baltimore Oriole’s Nest: Cool Winds from the Inner and Outer Parts of a Star-forming Galaxy at $z = 1.3$,” ApJ, 930, 146

N. Cleri et al, 2022, “CLEAR: Paschen- β Star Formation Rates and Dust Attenuation of Low-redshift Galaxies,” ApJ, 929, 3

J. Wu et al, 2022, “Extending the SAGA Survey (xSAGA). I. Satellite Radial Profiles as a Function of Host-galaxy Properties,” ApJ, 927, 121

J. Cooper et al, 2022, “*Alpha*-based star formation rates in and around $z \sim 0.5$ EDisCS clusters,” MNRAS, 509, 5382

B. Backhaus et al, 2022, “CLEAR: Emission-line Ratios at Cosmic High Noon,” ApJ, 926, 161

R. Simons et al, 2021, “CLEAR: The Gas-phase Metallicity Gradients of Star-forming Galaxies at $0.6 < z < 2.6$,” ApJ, 923, 203

K. Paterson et al, 2021, “Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): Observations and Analysis from Advanced LIGO/Virgo’s Third Observing Run,” ApJ, 912, 128

S. Alberts et al, 2021, “Measuring the total infrared light from galaxy clusters at $z = 0.5-1.6$: connecting stellar populations to dusty star formation,” MNRAS, 501, 1970

C. Williams et al, 2021, “ALMA Measures Rapidly Depleted Molecular Gas Reservoirs in Massive Quiescent Galaxies at $z \sim 1.5$,” ApJ, 908, 54

*[†]Y.-Y. Mao, M. Geha, R. Wechsler, B. Weiner, E. Tollerud, E. Nadler, N. Kallivayalil, 2021, “The SAGA Survey. II. Building a Statistical Sample of Satellite Systems around Milky Way-like Galaxies,” ApJ, 907, 85

H.-W. Chen et al, 2020, “The Cosmic Ultraviolet Baryon Survey (CUBS) - I. Overview and the

diverse environments of Lyman limit systems at $z < 1$,” MNRAS, 497, 498

V. Estrada-Carpenter et al., 2020, “CLEAR. II. Evidence for Early Formation of the Most Compact Quiescent Galaxies at High Redshift,” ApJ, 898, 171

R. Zhou et al., 2019, “Deep ugrizY imaging and DEEP2/3 spectroscopy: a photometric redshift testbed for LSST and public release of data from the DEEP3 Galaxy Redshift Survey,” MNRAS, 488, 4565

C. Williams et al., 2019, “Discovery of a dark, massive, ALMA-only galaxy at $z \sim 5 - 6$ in a tiny 3-millimeter survey,” ApJ, 884, 154

M. Lundquist et al., 2019, “Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgos Third Observing Run,” ApJL, 881, L26

G. Walth et al., 2019, “Infrared Galaxies in the Field of the Massive Cluster Abell S1063: Discovery of a Luminous Kiloparsec-sized H II Region in a Gravitationally Lensed Infrared-luminous Galaxy at $z = 0.6$,” ApJ, 877, 7

[†]F. Zahedy et al., 2019, “Characterizing circumgalactic gas around massive ellipticals at $z \sim 0.4$ - II. Physical properties and elemental abundance,” MNRAS, 484, 2257

R. Bezanson, J. Spilker, C. Williams, K. Whitaker, D. Narayanan, B.J. Weiner, M. Franx, 2019, “Extremely Low Molecular Gas Content in a Compact, Quiescent Galaxy at $z = 1.522$,” ApJL, 873, L19

J. Freundlich et al., 2019, “PHIBSS2: survey design and $z = 0.5 - 0.8$ results. Molecular gas reservoirs during the winding-down of star formation,” A&A, 622, 105

V. Estrada-Carpenter et al., 2019, “CLEAR. I. Ages and Metallicities of Quiescent Galaxies at $1.0 < z < 1.8$ Derived from Deep Hubble Space Telescope Grism Data,” ApJ, 870, 133

H.-W. Chen, F.S. Zahedy, S.D. Johnson, R.M. Pierce, Y.-H. Huang, B.J. Weiner, J.-R. Gauthier, 2018, “Characterizing circumgalactic gas around massive ellipticals at $z \sim 0.4$ - I. Initial results,” MNRAS, 479, 2547

T.A. Ashcraft et al., 2018, “Ultra-deep Large Binocular Camera U-band Imaging of the GOODS-North Field: Depth Versus Resolution,” PASP, 130, 064102

J. Spilker et al., 2018, “Molecular Gas Contents and Scaling Relations for Massive, Passive Galaxies at Intermediate Redshifts from the LEGA-C Survey,” ApJ, 860, 103

J.J. Fang et al., 2018, “Demographics of Star-forming Galaxies since $z \sim 2.5$. I. The UVJ Diagram in CANDELS,” ApJ, 858, 100

[†]P.L. Kelly et al., 2018, “Extreme magnification of an individual star at redshift 1.5 by a galaxy-cluster lens,” Nature Astronomy, 2, 334

S.A. Rodney et al., 2018, “Two peculiar fast transients in a strongly lensed host galaxy,” Nature Astronomy, 2, 324

[†]L.J. Tacconi et al., 2018, “PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions,” ApJ, 853, 179

^{*†}M. Geha, R.H. Wechsler, Y.-Y. Mao, E.J. Tollerud, B. Weiner, R. Bernstein, B. Hoyle, S. Marchi, P.J. Marshall, R. Muñoz, Y. Lu, 2017, “The SAGA Survey. I. Satellite Galaxy Populations around Eight Milky Way Analogs,” ApJ, 847, 4

T. Carleton et al., 2017, “PHIBSS: exploring the dependence of the CO- H_2 conversion factor on

total mass surface density at $z < 1.5$,” MNRAS, 467, 4886

A. Grazian et al., 2017, “Lyman continuum escape fraction of faint galaxies at $z \sim 3.3$ in the CANDELS/GOODS-North, EGS, and COSMOS fields with LBC,” A&A, 602, 18

J.L. Tinker et al., 2017, “The Correlation between Halo Mass and Stellar Mass for the Most Massive Galaxies in the Universe,” ApJ, 839, 121

E.M. Murphy, E. Momjian, J.J. Condon, R.-R. Chary, M. Dickinson, H. Inami, A.R. Taylor, B.J. Weiner, 2017, “The GOODS-N Jansky VLA 10 GHz Pilot Survey: Sizes of Star-forming μ Jy Radio Sources,” ApJ, 839, 35

[†]W. Rujopakarn et al., 2016, “VLA and ALMA Imaging of Intense Galaxy-wide Star Formation in $z \sim 2$ Galaxies,” ApJ, 833, 12

J.S. Spilker, R. Bezanson, D.P. Marrone, B.J. Weiner, K.E. Whitaker, C.C. Williams, 2016, “Low Gas Fractions Connect Compact Star-forming Galaxies to Their $z \sim 2$ Quiescent Descendants,” ApJ, 832, 19

*R. Simons, S.A. Kassin, J.R. Trump, B.J. Weiner et al., 2016, “Kinematic Downsizing at $z \sim 2$,” ApJ, 830, 14

P.L. Kelly et al., 2016, “Deja Vu All Over Again: The Reappearance of Supernova Refsdal,” ApJL, 819, L8

S.A. Rodney et al., 2016, “SN Refsdal : Photometry and Time Delay Measurements of the First Einstein Cross Supernova,” ApJL, 820, 50

R. Bezanson et al., 2016, “Leveraging 3D-HST Grism Redshifts to Quantify Photometric Redshift Performance,” ApJ, 822, 30

P.L. Kelly et al., 2016, “SN Refsdal: Classification as a Luminous and Blue SN 1987A-like Type II Supernova,” ApJ, 831, 205

T.D. Rawle et al., 2016, “A complete census of Herschel-detected infrared sources within the HST Frontier Fields,” MNRAS, 459, 1626

Y.-H. Huang, H.-W. Chen, S.D. Johnson, B.J. Weiner, 2016, “Characterizing the chemically enriched circumgalactic medium of ~ 38000 luminous red galaxies in SDSS DR12,” MNRAS, 455, 1713

A.D. Montero-Dorta, Y. Shu, A.S. Bolton, J.R. Brownstein, B.J. Weiner, 2016, “A Steep Slope and Small Scatter for the High-Mass End of the Faber-Jackson Relation at $z \sim 0.55$,” MNRAS, 456, 3265

*A.M. Morris, D.D. Kocevski, J.R. Trump, B.J. Weiner et al., 2015, “A WFC3 Grism Emission Line Redshift Catalog in the GOODS-South Field,” AJ, 149, 178

G. Popping et al., 2015, “The inferred evolution of the cold gas properties of CANDELS galaxies at $0.5 < z < 3.0$,” MNRAS, 454, 2258

[†]S. Alam et al., 2015, “The Eleventh and Twelfth Data Releases of the Sloan Digital Sky Survey: Final Data from SDSS-III,” ApJS, 219, 12

[†]P.L. Kelly et al., 2015, “Multiple Images of a Highly Magnified Supernova Formed by an Early-Type Cluster Galaxy Lens,” Science, 347, 1123

[†]C. Papovich et al., 2015, “ZFOURGE/CANDELS: On the Evolution of M_* Galaxy Progenitors from $z=3$ to 0.5,” ApJ, 803, 26

[†]P. Santini et al., 2015, “Stellar masses from the CANDELS survey: the GOODS-South and

UDS fields,” *ApJ*, 801, 97

†R. Genzel et al., 2015, “Combined CO & Dust Scaling Relations of Depletion Time and Molecular Gas Fractions with Cosmic Time, Specific Star Formation Rate and Stellar Mass,” *ApJ*, 800, 20

C.C. Williams et al., 2015, “The interstellar medium and feedback in the progenitors of the compact passive galaxies at $z \sim 2$,” *ApJ*, 800, 21

S. Mei, C. Scarlata, L. Pentericci, J.A. Newman, B.J. Weiner, et al., 2015, “Star-forming blue ETGs in two newly discovered galaxy overdensities in the HUDF at $z=1.84$ and 1.9 : unveiling the progenitors of passive ETGs in cluster cores,” *ApJ*, 804, 117

†J.S. Kartaltepe et al., 2015, “CANDELS Visual Classifications: Scheme, Data Release, and First Results,” *ApJS*, 221, 11

J.R. Trump, G. Barro, S. Juneau, B.J. Weiner et al., 2014, “No More Active Galactic Nuclei in Clumpy Disks Than in Smooth Galaxies at $z \sim 2$ in CANDELS/3D-HST,” *ApJ*, 793, 101

S.A. Kassin, A. Brooks, F. Governato, B.J. Weiner, J.P. Gardner, 2014, “Kinematic Evolution of Simulated Star-Forming Galaxies,” *ApJ*, 790, 89

†S.A. Rodney et al., 2014, “Type Ia Supernova Rate Measurements to Redshift 2.5 from CANDELS: Searching for Prompt Explosions in the Early Universe,” *AJ*, 148, 13

F. Buitrago, C.J. Conselice, B. Epinat, A.G. Bedregal, R. Grützbaach, B.J. Weiner, 2014, “SINFONI/VLT 3D spectroscopy of massive galaxies: evidence of rotational support at $z \sim 1.4$,” *MNRAS*, 439, 1494

*F. Walter et al., 2014, “A Molecular Line Scan in the Hubble Deep Field North: Constraints on the CO Luminosity Function and the Cosmic H_2 Density,” *ApJ*, 782, 79

R. Decarli et al., 2014, “A Molecular Line Scan in the Hubble Deep Field North,” *ApJ*, 782, 78

S.F. Newman et al., 2014, “Nebular Excitation in $z \sim 2$ Star-forming Galaxies from the SINS and LUCI Surveys: The Influence of Shocks and AGN,” *ApJ*, 781, 21

†C.P. Ahn et al., 2014, “The Tenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Apache Point Observatory Galactic Evolution Experiment,” *ApJ*, 211, 17

A.D. Goulding et al., 2014, “Tracing the evolution of Active Galactic Nuclei host galaxies over the last 9 Gyr of cosmic time,” *ApJ*, 783, 40

S. Alberts et al., 2014, “The evolution of dust-obscured star formation activity in galaxy clusters relative to the field over the last 9 billion years,” *MNRAS*, 437, 437

†S.L. Finkelstein et al., 2013, “A galaxy rapidly forming stars 700 million years after the Big Bang at redshift 7.51,” *Nature*, 502, 524

K.A. Kornei, A.E. Shapley, C.L. Martin, A.L. Coil, J.M. Lotz, B.J. Weiner, 2013, “Fine-structure Fe II* Emission and Resonant Mg II Emission in $z \sim 1$ Star-forming Galaxies,” *ApJ*, 774, 50

M.V. Maseda et al., 2013, “Confirmation of Small Dynamical and Stellar Masses for Extreme Emission Line Galaxies at $z \sim 2$,” *ApJL*, 778, L22

D.O. Jones et al., 2013, “The Discovery of the Most Distant Known Type Ia Supernova at Redshift 1.914,” *ApJ*, 768, 166

†T. Dahlen et al. 2013, “A Critical Assessment of Photometric Redshift Methods: A CANDELS Investigation,” *ApJ*, 775, 93

*†J.A. Newman et al., 2013, “The DEEP2 Galaxy Redshift Survey: Design, Observations, Data

Reduction, and Redshifts,” *ApJS*, 208, 5

H.V. Shipley, C. Papovich, G.H. Rieke, A. Dey, B.T. Jannuzi, J. Moustakas, B.J. Weiner, 2013, “Spitzer Spectroscopy of Infrared-luminous Galaxies: Diagnostics of Active Galactic Nuclei and Star Formation and Contribution to Total Infrared Luminosity,” *ApJ*, 769, 75

R. Genzel et al., 2013, “Phibss: Molecular Gas, Extinction, Star Formation, and Kinematics in the $z = 1.5$ Star-forming Galaxy EGS13011166,” *ApJ*, 773, 68

H. Shim, M. Im, J. Ko, Y. Jeon, M. Karouzos, S.J. Kim, H.M. Lee, C. Papovich, C. Willmer, B.J. Weiner, 2013, “Hectospec and Hydra Spectra of Infrared Luminous Sources in the AKARI North Ecliptic Pole Survey Field,” *ApJS*, 207, 37

[†]A. Galametz et al., 2013, “CANDELS Multiwavelength Catalogs: Source Identification and Photometry in the CANDELS UKIDSS Ultra-deep Survey Field,” *ApJS*, 206, 10

[†]M.L.N. Ashby et al., 2013, “SEDS: The Spitzer Extended Deep Survey. Survey Design, Photometry, and Deep IRAC Source Counts,” *ApJ*, 769, 80

*[†]L.J. Tacconi et al. 2013, “PHIBSS: molecular gas content and scaling relations in $z \sim 1 - 3$ massive, main-sequence star forming galaxies,” *ApJ*, 768, 74

*J.R. Trump, N.P. Konidakis, G. Barro, D.C. Koo, D.D. Kocevski, S. Juneau, B.J. Weiner, S.M. Faber, I.S. McLean, R. Yan, P.G. Perez-Gonzalez, V. Villar, 2013, “Testing Diagnostics of Nuclear Activity and Star Formation in Galaxies at $z > 1$,” *ApJL*, 763, L6

N. Mostek, A.L. Coil, M.C. Cooper, M. Davis, J.A. Newman, B.J. Weiner, 2013, “The DEEP2 Galaxy Redshift Survey: Clustering Dependence on Galaxy Stellar Mass and Star Formation Rate at $z \sim 1$,” *ApJ*, 767, 89

[†]K.S. Dawson et al., 2013, “The Baryon Oscillation Spectroscopic Survey of SDSS-III,” *AJ*, 145, 10

D.P. Palamara, M.J.I. Brown, B.T. Jannuzi, A. Dey, D. Stern, K.A. Pimbblet, B.J. Weiner, M.L.N. Ashby, C.S. Kochanek, A. Gonzalez, M. Brodwin, E. Le Floch, M. Rieke, 2013, “The Clustering of Extremely Red Objects,” *ApJ*, 764, 31

[†]J. Woo et al., 2013, “Dependence of Quenching of Central and Satellite Galaxies at $z=0$ and $z=1$ on Halo Mass and Distance from its Centre,” *MNRAS*, 428, 3306

J. Freundlich et al., 2013, “Towards a resolved Kennicutt-Schmidt law at high redshift,” *A&A*, 533, 130

S. Juneau et al., 2013, “Widespread and Hidden Active Galactic Nuclei in Star-Forming Galaxies at Redshift > 0.3 ,” *ApJ*, 764, 176

J.-S. Huang et al., 2013, “Multi-Wavelength Study of a Complete IRAC 3.6 micron-Selected Galaxy Sample: a Fair Census of Red and Blue Populations at Redshifts 0.4-1,” *ApJ*, 766, 21

H. Yan et al., 2012, “Luminous and High Stellar Mass Candidate Galaxies at $z \simeq 8$ Discovered in the Cosmic Assembly Near-Infrared Deep Extragalactic Legacy Survey,” *ApJ*, 761, 177

[†]E. Cheung et al., 2012, “The Dependence of Quenching upon the Inner Structure of Galaxies at $0.5 < z < 0.8$ in the DEEP2/AEGIS Survey,” *ApJ*, 760, 131

W. Rujopakarn, G.H. Rieke, C. Papovich, B.J. Weiner, J.R. Rigby, M. Rex, F. Bian, O.P. Kuhn, D. Thompson, 2012, “Large Binocular Telescope and Spitzer Spectroscopy of Star-forming Galaxies at $1 < z < 3$: Extinction and Star Formation Rate Indicators,” *ApJ*, 755, 168

M.C. Cooper, R. Yan, M. Dickinson, S. Juneau, J.M. Lotz, J.A. Newman, C. Papovich, S. Salim,

G. Walth, B.J. Weiner, C.N.A. Willmer, 2012, “The Arizona CDFS Environment Survey (ACES): A Magellan/IMACS Spectroscopic Survey of the Chandra Deep Field-South,” MNRAS, 425, 2116

K. Sheth, J. Melbourne, D.M. Elmegreen, B.G. Elmegreen, E. Athanassoula, R.G. Abraham, B.J. Weiner, 2012, “Hot Disks and Delayed Bar Formation,” ApJ, 758, 136

†J.S. Kartaltepe et al., 2012, “GOODS-Herschel and CANDELS: The Morphologies of Ultraluminous Infrared Galaxies at $z \sim 2$,” ApJ, 757, 23

†Jingwen Wu et al., 2012, “Submillimeter Follow-up of WISE-selected Hyperluminous Galaxies,” ApJ, 756, 96

D.L. Nidever et al., 2012, “The Apache Point Observatory Galactic Evolution Experiment: First Detection of High-velocity Milky Way Bar Stars,” ApJL, 755, L25

†C.P. Ahn et al., 2012, “The Ninth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Baryon Oscillation Spectroscopic Survey,” ApJS, 203, 21

*†S. Wuyts et al., 2012, “Smooth(er) Stellar Mass Maps in CANDELS: Constraints on the Longevity of Clumps in High-redshift Star-forming Galaxies,” ApJ, 753, 114

*S.A. Rodney, A.G. Riess, T. Dahlen, L.-G. Strolger, H.C. Ferguson, J. Hjorth, T.F. Fredriksen, B.J. Weiner et al., 2012, “A Type Ia Supernova at Redshift 1.55 in Hubble Space Telescope Infrared Observations from CANDELS,” ApJ, 746, 5

*†J.M. Comerford, B.F. Gerke, D. Stern, M.C. Cooper, B.J. Weiner, J.A. Newman, F. Harrison, K. Madsen, R.S. Barrows, 2012, “Kiloparsec-scale Spatial Offsets in Double-peaked Narrow-line AGNs. I. Markers for Selection of Compelling Dual AGN Candidates,” ApJ, 753, 42

J.E. Rhoads, P. Hibon, S. Malhotra, M. Cooper, B.J. Weiner, 2012, “A $\text{Ly}\alpha$ Galaxy at Redshift $z = 6.944$ in the COSMOS Field,” ApJL, 752, L28

†C.L. Martin, A.E. Shapley, A.L. Coil, K.A. Kornei, K. Bundy, B.J. Weiner, K.G. Noeske, D. Schiminovich, 2012, “Demographics and Physical Properties of Gas Out/Inflows at $0.4 < z < 1.4$,” ApJ, 760, 127

T. Wang et al., 2012, “CANDELS: Correlations of Spectral Energy Distributions and Morphologies with Star formation Status for Massive Galaxies at $z \sim 2$,” ApJ, 752, 134

R. Griffith et al., 2012, “The Advanced Camera for Surveys General Catalog: Structural Parameters for Approximately Half a Million Galaxies,” ApJS, 200, 9

B.F. Gerke et al., 2012, “The DEEP2 Galaxy Redshift Survey: The Voronoi-Delaunay Method Catalog of Galaxy Groups,” ApJ, 751, 50

†C. Papovich et al., 2012, “CANDELS Observations of the Structural Properties of Cluster Galaxies at $z = 1.62$,” ApJ, 750, 93

N. Smith et al., 2012, “Systematic Blueshift of Line Profiles in the Type II_n Supernova 2010jl: Evidence for Post-Shock Dust Formation?,” AJ, 143, 17

N. Mostek, A.L. Coil, J. Moustakas, S. Salim, B.J. Weiner, 2012, “Calibrating the Star Formation Rate at $z=1$ from Optical Data,” ApJ, 746, 124

*†M.C. Cooper et al., 2012, “The DEEP3 Galaxy Redshift Survey: The Impact of Environment on the Size Evolution of Massive Early-type Galaxies at Intermediate Redshift,” MNRAS, 419, 3018

†R. Genzel et al., 2012, “The metallicity dependence of the $\text{CO} \rightarrow \text{H}_2$ conversion factor in $z > 1$ star forming galaxies,” ApJ, 746, 69

J.W. Twite, C. Conselice, F. Buitrago, K. Noeske, B.J. Weiner, J. Acosta-Pulido, A. Bauer, 2012, “H-alpha Star Formation Rates in Massive Galaxies at $z \sim 1$,” MNRAS, 420, 1061

[†]Y. Ono, M. Ouchi, B. Mobasher, M. Dickinson, K. Penner, K. Shimasaku, B.J. Weiner, J.S. Kartaltepe, K. Nakajima, H. Nayyeri, D. Stern, N. Kashikawa, H. Spinrad, 2012, “Spectroscopic Confirmation of Three z-Dropout Galaxies at $z = 6.844 - 7.213$: Lyman Alpha Demography of $z \sim 7$ Galaxies,” ApJ, 744, 83

J. Ko et al., 2012, “AKARI Observation of the North Ecliptic Pole (NEP) Supercluster at $z = 0.087$: Mid-infrared View of Transition Galaxies,” ApJ, 745, 181

[†]A. van der Wel, A.N. Straughn, H.-W. Rix, S.L. Finkelstein, A.M. Koekemoer, B.J. Weiner et al., 2011, “Extreme Emission Line Galaxies in CANDELS: Broad-Band Selected, Star-Bursting Dwarf Galaxies at $z > 1$,” ApJ, 742, 111

[†]N.A. Grogin et al., 2011, “CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey,” ApJS, 197, 35

[†]A.M. Koekemoer et al., 2011, “CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey - The Hubble Space Telescope Observations, Imaging Data Products and Mosaics,” ApJS, 197, 36

S.A. Kassin et al., 2011, “Oxford SWIFT integral field spectrograph and multiwavelength observations of the Eagle galaxy at $z=0.77$,” MNRAS, 417, 2882

R. Yan et al., 2011, “AEGIS: Demographics of X-ray and Optically Selected Active Galactic Nuclei,” ApJ, 728, 38

[†]A.A. Dutton, F.C. van den Bosch, S.M. Faber, L. Simard, S.A. Kassin, D.C. Koo, K. Bundy, J. Huang, B.J. Weiner, M.C. Cooper, J.A. Newman, M. Mozena, A.M. Koekemoer, 2011, “On the evolution of the velocity-mass-size relations of disc-dominated galaxies over the past 10 billion years,” MNRAS, 410, 1660

*[†]R. Genzel et al., 2010, “A study of the gas-star formation relation over cosmic time,” MNRAS, 407, 2091

*[†]L.J. Tacconi et al., 2010, “High molecular gas fractions in normal massive star-forming galaxies in the young Universe,” Nature, 463, 781

[†]Y.-M. Chen, C.A. Tremonti, T.M. Heckman, G. Kauffmann, B.J. Weiner, J. Brinchmann, J. Wang, 2010, “Absorption-line Probes of the Prevalence and Properties of Outflows in Present-day Star-forming Galaxies,” AJ, 140, 445

M.C. Cooper et al., 2010, “Absence of evidence is not evidence of absence: the colour-density relation at fixed stellar mass persists to $z \sim 1$,” MNRAS, 409, 337

*M.D. Covington, S.A. Kassin, A.A. Dutton, B.J. Weiner et al., 2010, “Evolution of the Stellar Mass Tully-Fisher Relation Evolution in Disk Galaxy Merger Simulations,” ApJ, 710, 279

K.H.R. Rubin, J.X. Prochaska, D.C. Koo, A.C. Phillips, B.J. Weiner, 2010, “Galaxies probing galaxies: cool halo gas from a $z = 0.47$ post-starburst galaxy,” ApJ, 712, 574

[†]A.L. Coil et al. 2009, “AEGIS: The Clustering of X-ray AGN Relative to Galaxies at $z \sim 1$,” ApJ, 701, 1484

R. Yan et al. 2009, “The DEEP2 Galaxy Redshift Survey: Environments of Poststarburst Galaxies at $z \sim 0.1$ and $z \sim 0.8$,” MNRAS, 398, 735

[†]S. Salim et al. 2009, “Mid-IR Luminosities and UV/Optical Star Formation Rates at $z < 1.4$,” ApJ, 700, 161

M. Sawicki et al. 2008, “The DEEP2 Redshift Survey: Lyman-alpha Emitters in the Spectroscopic Database,” *ApJ*, 687, 884

†L. Lin et al. 2008, “The Redshift Evolution of Wet, Dry, and Mixed Galaxy Mergers from Close Galaxy Pairs in the DEEP2 Galaxy Redshift Survey,” *ApJ*, 681, 232

*†J.M. Lotz et al. 2008, “The Evolution of Galaxy Mergers and Morphology at $z < 1.2$ in the Extended Groth Strip,” *ApJ*, 672, 177

†A.L. Coil et al., 2008, “The DEEP2 Galaxy Redshift Survey: Color and Luminosity Dependence of Galaxy Clustering at $z \sim 1$,” *ApJ*, 672, 153

D. Marcillac, G.H. Rieke, C. Papovich, C.N.A. Willmer, B.J. Weiner et al., 2008, “The Environment on few Mpc scales of Infrared Luminous Galaxies at Redshift $z \sim 1$,” *ApJ*, 675, 1156

K.L. Cooksey, J.X. Prochaska, H.-W. Chen, J.S. Mulchaey, B.J. Weiner, 2008, “Characterizing the Low-Redshift Intergalactic Medium Towards PKS1302-102,” *ApJ*, 676, 262

*†S.M. Faber, C.N.A. Willmer, C. Wolf, D.C. Koo, B.J. Weiner et al., 2007, “Galaxy Luminosity Functions to $z \sim 1$ from DEEP2 and COMBO-17: Implications for Red Galaxy Formation,” *ApJ*, 665, 265

†C.J. Conselice et al., 2007, “The properties and evolution of a K-band selected sample of massive galaxies at $z \sim 0.4 - 2$ in the Palomar/DEEP2 survey,” *MNRAS*, 381, 962

*†K.G. Noeske, S.M. Faber, B.J. Weiner et al., 2007, “Star Formation in AEGIS Field Galaxies since $z=1.1$: Staged Galaxy Formation and a Model of Mass-dependent Gas Exhaustion,” *ApJL*, 660, L43

C.J. Conselice et al., 2007, “AEGIS: The Diversity of Bright Near-IR-selected Distant Red Galaxies,” *ApJL*, 660, L55

†M. Davis et al., 2007, “The All-Wavelength Extended Groth Strip International Survey (AEGIS) Data Sets,” *ApJL*, 660, L1

B.F. Gerke et al., 2007, “The DEEP2 Galaxy Redshift Survey: AEGIS Observations of a Dual AGN at $z = 0.7$,” *ApJL*, 660, L23

†C.M. Pierce et al., 2007, “AEGIS: Host Galaxy Morphologies of X-Ray-selected and Infrared-selected Active Galactic Nuclei at $0.2 < z < 1.2$,” *ApJL*, 660, L19

E.N. Kirby, P. Guhathakurta, S.M. Faber, D.C. Koo, B.J. Weiner, M.C. Cooper, 2007, “The DEEP2 Galaxy Redshift Survey: Redshift Identification of Single-Line Emission Galaxies,” *ApJ*, 660, 62

†M.C. Cooper et al., 2007, “The DEEP2 galaxy redshift survey: evolution of the colour-density relation at $0.4 < z < 1.35$,” *MNRAS*, 376, 1445

†B.F. Gerke et al., 2007, “The DEEP2 galaxy redshift survey: the evolution of the blue fraction in groups and the field,” *MNRAS*, 376, 1425

R.P. Schiavon et al., 2006, “The DEEP2 Galaxy Redshift Survey: Mean Ages and Metallicities of Red Field Galaxies at $z \sim 0.9$ from Stacked Keck DEIMOS Spectra,” *ApJL*, 651, L93

†C.N.A. Willmer, S.M. Faber, D.C. Koo, B.J. Weiner et al., 2006, “The DEEP2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z \sim 1$,” *ApJ*, 647, 853

*†K. Bundy, R.S. Ellis, C.J. Conselice, J.E. Taylor, M.C. Cooper, C.N.A. Willmer, B.J. Weiner, A.L. Coil, K.G. Noeske, P.R.M. Eisenhardt, 2006, “The Mass Assembly History of Field Galaxies: Detection of an Evolving Mass Limit for Star Forming Galaxies,” *ApJ*, 651, 120

†M.C. Cooper, J.A. Newman, D.J. Croton, B.J. Weiner et al., 2006, “The DEEP2 Galaxy Redshift Survey: The Relationship Between Galaxy Properties and Environment at $z \sim 1$,” MNRAS, 370, 198

N.P. Vogt et al. (DEEP1 Team), 2005, “The DEEP Groth Strip Survey. I. The Sample,” ApJS, 159, 41

†B.F. Gerke et al. (DEEP2 Team), 2005, “The DEEP2 Galaxy Redshift Survey: First Results on Galaxy Groups,” ApJ, 625, 6

D.C. Koo et al. (DEEP1 Team), 2005, “The DEEP Groth Strip Galaxy Redshift Survey. VIII. The Evolution of Luminous Field Bulges at Redshift $z \sim 1$,” ApJS, 157, 175

J.X. Prochaska, H.-W. Chen, J.C. Howk, B.J. Weiner, J.S. Mulchaey, 2004, “Probing the IGM/Galaxy Connection Toward PKS0405-123. I: UV Spectroscopy and Metal-Line Systems,” ApJ, 617, 718

†A.L. Coil et al. (DEEP2 Team), 2003, “The DEEP2 Galaxy Redshift Survey: Clustering of Galaxies in Early Data,” ApJ 609, 525

†H.A. Kobulnicky, C.N.A. Willmer, A.C. Phillips, D.C. Koo, S.M. Faber, B.J. Weiner, V.L. Sarajedini, L. Simard & N.P. Vogt, 2003, “The DEEP Groth Strip Survey VII: The Metallicity of Field Galaxies at $0.26 < z < 0.82$ and the Evolution of the Luminosity-Metallicity Relation,” ApJ, 599, 1006

D.S. Madgwick et al. (DEEP2 Team), 2003, “The DEEP2 Galaxy Redshift Survey: Spectral classification of galaxies at $z \sim 1$,” ApJ, 599, 997

†K. Gebhardt et al. (DEEP1 Team), 2003, “The DEEP Groth Strip Survey IX: Evolution of the Fundamental Plane of Field Galaxies,” ApJ, 597, 239

†L. Simard, C.N.A. Willmer, N.P. Vogt, V.L. Sarajedini, A.C. Phillips, B.J. Weiner, D.C. Koo, M. Im, G.D. Illingworth, & S.M. Faber, 2002, “The DEEP Groth Strip Survey. II. HST Structural Parameters of Galaxies in the Groth Strip,” ApJS, 142, 1

Selected Non-Refereed Publications

B.Weiner, E. Pearce, H. Krantz, A. Block, R. Howie, S. Kattner, S. Self, G. Williams, 2020, “MMT/Binospec spectroscopy of near earth object 2020 SO distinguishes it from common natural asteroids,” ATel 14241

E. Pearce, B. Weiner, H. Krantz, 2019, “Examining the Effects of On-Orbit Aging of SL-12 Rocket Bodies Using Visible Band Spectra with the MMT Telescope,” LPI Orbital Debris Conference, 6180

E. Pearce, B. Weiner, A. Block, H. Krantz, K. Rockowitz, B. Sease, G. Hennessy, M. Wilson, 2019, “Examining the Effects of On-Orbit Aging of SL-12 Rocket Bodies using Visible Band Spectra with the MMT Telescope and 5-Color Photometry with the UKIRT/WFCAM,” AMOS Technologies Conference, 69

*B.J. Weiner, D. Sand, P. Gabor, C. Johnson, S. Swindell, P. Kubanek, V. Gasho, T. Golota, B. Jannuzi, P. Milne, N. Smith, D. Zaritsky, 2018, “Development of the Arizona Robotic Telescope Network,” Proc. SPIE, 10704, 107042H

B.J. Weiner, 2003, “The dark matter density problem in massive disk galaxies,” in *Dark Matter in Galaxies*, ed. S. Ryder et al., IAU Symposium 220, astro-ph/0310666

B.J. Weiner, 2003, “H-alpha emission from HVCs and ionization sources in the Galactic halo,” in *The IGM-Galaxy Connection*, ed. J.L. Rosenberg & M.E. Putman, (Dordrecht: Kluwer), 163

*†M. Davis et al. (DEEP2 Team), 2003, “Science Objectives and Early Results of the DEEP2 Redshift Survey,” Proc. SPIE, 4834, 161

B.J. Weiner, S.N. Vogel, & T.B. Williams, 2001, “Optical emission from high velocity clouds and the ionization sources in the Galactic halo,” in *Extragalactic Gas at Low Redshift*, ed. J. Mulchaey & J. Stocke, ASP Conference Series, v. 254 (San Francisco: A.S.P.), 256

B.J. Weiner, S.N. Vogel, & T.B. Williams, 2001, “Distance Constraints for High-Velocity Clouds from Optical Emission Lines,” in *Gas and Galaxy Evolution*, ed. J. Hibbard, M. Rupen, & J. van Gorkom, ASP Conference Series, v. 240 (San Francisco: A.S.P.), 515

Policy and Other Contributions

B.J. Weiner, 2012, “Deep slitless infrared spectroscopic surveys with HST/WFC3,” arXiv:1209.1405, a white paper for the committee studying future large Hubble Space Telescope programs.

B.J. Weiner et al., 2009, “Astronomical Software Wants To Be Free: A Manifesto,” arXiv:0903.3971, a white paper submitted to Astro2010, the 2010 Astronomy & Astrophysics Decadal Survey of the NRC. (lead author)

C. Pilachowski et al., 2012, “Addressing Decadal Survey Science through Community Access to Highly Multiplexed Spectroscopy with BigBOSS on the KPNO Mayall Telescope,” arXiv:1211.0285, a white paper for the NSF-AST portfolio review, on public access science with the BigBOSS (now DESI) dark energy experiment. (contributing author)

M.E. Putman et al., 2009, “How do galaxies accrete gas and form stars?,” arXiv:0902.4717, a white paper submitted to Astro2010. (contributing author)

P.J. Marshall et al., 2009, “Low-Energy Astrophysics: Stimulating the Reduction of Energy Consumption in the Next Decade,” arXiv:0903.3384, a white paper submitted to Astro2010. (contributing author)

References

Dr. Sylvain Veilleux

Department of Astronomy, University of Maryland, College Park, MD 20742

Phone: 301-405-0282 email: veilleux@astro.umd.edu

Dr. George H. Rieke

Department of Astronomy, University of Arizona, 933 N. Cherry St., Tucson, AZ 85721

Phone: 520-621-2832 email: grieke@as.arizona.edu

Dr. Buell T. Jannuzi

Department of Astronomy, University of Arizona, 933 N. Cherry St., Tucson, AZ 85721

Phone: 520-621-6524 email: buelljannuzi@email.arizona.edu

Dr. Sandra M. Faber

UCO/Lick Observatory, UC Santa Cruz, 1156 High St., Santa Cruz, CA 95064

Phone: 831-459-2944 email: faber@ucolick.org

Dr. Stuart N. Vogel

Department of Astronomy, University of Maryland, College Park, MD 20742

Phone: 301-405-2134 email: vogel@astro.umd.edu