

David J. Setton

NHFP Hubble Fellow

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Summary

Research: Observational galaxy formation and evolution; the quenching of massive galaxies; the co-evolution of galaxies and supermassive black holes; spectral energy distribution modeling with UV-to-IR spectrophotometry; galaxy structure modeling; optical, NIR, and FIR spectroscopy

Grants: Over **\$1.8M** in grants and awards secured over the past 5 years

Presentations: 29 invited talks, 12 submitted talks

Publications: 8 first author, 10 second author, 84 total

Students supervised: 6 graduate students, 6 undergraduates, principal advisor of 5 student-led papers

Collaborations: UNCOVER/MEGASCIENCE, RUBIES, SQuIGGLE, MINERVA, PFS-SSP

Observing: PI/Co-I of several JWST, ALMA, HST, VLA, Chandra, Magellan, Keck, and Gemini programs

Professional Appointments

NHFP Hubble Fellow at Johns Hopkins University <i>Faculty Mentor: Tim Heckman</i>	Sep 2026 - Present
Brinson Prize Fellow at Princeton University <i>Faculty Mentor: Jenny Greene</i>	Sep 2023 – Aug 2026

Education

University of Pittsburgh , MS, PhD in Physics <i>Thesis Advisor: Rachel Bezanson</i>	Aug 2017 – July 2023
University of Arizona , BS in Physics, BS in Astronomy <i>Thesis Advisor: Gurtina Besla</i>	Aug 2013 – May 2017

Observing Programs

PI, Co-PI, and Admin-PI Programs:

James Webb Space Telescope (5 programs, 105.1 hours): Cycle 5 GO #10445, Cycle 5 GO #11618, Cycle 4 GO #8607, Cycle 4 GO #7488, Cycle 3 GO #6719

Atacama Large Millimeter/sub-millimeter Array (6 programs, 120.7 hours): Cycle 13: 2026.1.01631.S; Cycle 11: 2024.1.01064.S; Cycle 10: 2023.1.01012.S; Cycle 9: 2022.1.00604.S; Cycle 8: 2021.1.01535.S, 2021.1.00988.S

Roman Space Telescope (1 program): Cycle 1 #19068

Hubble Space Telescope (1 program, 409 SNAP Orbits): Cycle 30 #17110

Magellan Telescopes: 5 nights using FIRE

Co-I Program Summary:

James Webb Space Telescope: 8 programs, 422.7 hours; *Atacama Large Millimeter/submillimeter Array:* 11 programs, 182.7 hours; *Roman Space Telescope:* 1 program; *Hubble Space Telescope:* 2 programs, 97 orbits; *NOEMA:* 1 program, 5 hours; *CHANDRA:* 1 program, 48 hours; *Very Large Array:* 2 programs, 132 hours

Grants and Awards

Grants: NHFP Hubble Fellowship (\$418,000); Brinson Prize Fellowship (\$330,000); JWST GO#11618 (\$171,446); JWST GO #10445 (\$235,402) JWST GO #8607 (\$158,810); JWST GO #7488 (\$132,367); JWST GO #6719 (\$128,878); HST GO #17110 (\$202,893); ALMA Student Observing Support (~\$35k); University of Pittsburgh Graduate Fellowships (~\$38k)

Awards: Myron P. Garfunkel Excellence in Graduate Student Teaching Award; Martin and Beate Block Winter Award for Promising Young Physicists; University of Pittsburgh Department of Astronomy and Physics “3 Minute Thesis” Department Competition Winner

Students Supervised

Graduate Students:

Yunchong Zhang (University of Pittsburgh, 2 supervised papers, 1 supervised **A-rated ALMA program**)

Jared Siegel (Princeton University, 1 supervised second-author paper, **co-PI of JWST Cycle 4 program**)

Yilun Ma (Princeton University, 3 supervised papers, **co-PI of JWST Cycle 5 program**)

Abby Mintz (Princeton University, 1 supervised second-author paper)

Helena Treiber (Princeton University)

Kaitlyn Shavelle (Princeton University)

Undergraduate Students:

Maggie Verrico (University of Pittsburgh, 1 supervised second-author paper, now graduate student at UIUC)

Anika Kumar (University of Pittsburgh, 1 supervised second-author research note, now graduate student at RIT)

Erin Stumbaugh (University of Pittsburgh, now graduate student at Villanova University)

Belinda Wu (Princeton University, supervised junior thesis, now graduate student at the National Taiwan University)

Hy Truong (Princeton University, supervised summer research project, now graduate student at SDSU)

Austin Guo (Princeton University, currently supervising senior thesis)

Selected Professional Talks

* = invited

*University of Pittsburgh AstroLunch

*Five College Astronomy Department Colloquium

*8th IGC Neighborhood Workshop

*Rutgers Astro Journal Club

*Villanova Astronomy Colloquium

The End of Star Formation

*CIERA Observational Astronomy Meeting

*Columbia Astronomy Seminar

*Borthakur Group Seminar

*International Space Science Institute LRDs Workshop

*Joining efforts to solve JWST mysteries in the distant Universe (**LRD review**)

*AAS 247: PRIMA Special Session

*Brinson Fellows Symposium

*University of British Columbia Astronomy Colloquium

*University of Kentucky Astronomy Seminar

Massive Black Holes across Cosmic Time

Galaxy memoirs: inferring their past from their present

New Data that Challenge Underlying Assumptions in Galaxy Evolution

*PRIMA and the Future of Far-Infrared Astronomy

Big Galaxies, Big Problems Lorentz Center Meeting (**organizer**)

*University of Washington ALMA Workshop

*University of Pennsylvania AstroLunch

*York University Seminar

Pittsburgh, PA; Sep 2026

Amherst, MA; May 2026

State College, PA; Apr 2026

New Brunswick, NJ; Apr 2026

Villanova, PA; Mar 2026

Urbana, IL; Mar 2026

Evanston, IL; Feb 2026

New York City, NY; Feb 2026

Tempe, AZ; Feb 2026

Bern, CH; Feb 2026

Sesto, IT; Jan 2026

Phoenix, AZ; Jan 2026

Chicago, IL; Nov 2025

Vancouver, BC; Oct 2025

Lexington, KY; Sep 2025

Cambridge, UK; Sep 2025

Buzios, BR; Aug 2025

Bar Harbor, Maine; July 2025

Pasadena, CA; May 2025

Leiden, NL; Apr 2025

Seattle, WA; Mar 2025

Philadelphia, PA; Mar 2025

Toronto, ON; Nov 2024

*University of Toronto TASTY Seminar	Toronto, ON; Nov 2024
Galaxies and Black Holes in the Early Universe	New Haven, CT; Oct 2024
*JHU/STScI Galaxy+AGN Journal Club	Baltimore, MD; Apr 2024
*Yale Galaxy Lunch	New Haven, CT; Jan 2024
*St. Francis Xavier University Colloquium	Antigonish, NS; Jan 2024
*University of Washington AstroLunch	Seattle, WA; Oct 2023
AAS 241: Thesis Talk	Seattle, WA; Jan 2023
*DESI Collaboration Meeting Plenary	Cancun, MX; Dec 2022
*NOIRLab FLASH Talk	Tucson, AZ; Nov 2022
*HSC+PFS+Rubin Meeting	Princeton, NJ; Nov 2022
*Texas A&M Extragalactic Seminar	College Station, TX; Oct 2022
*University of Texas, Austin Extragalactic Seminar	Austin, TX; Oct 2022
*University of Michigan Galaxy Group Seminar	Ann Arbor, MI; Sep 2022
Epoch of Galaxy Quenching	Cambridge, UK; Sep 2022
A Holistic View of Stellar Feedback and Galaxy Evolution	Ascona, CH; July 2022
KIAA Forum on Gas in Galaxies for Early Career Scientists	Virtual; Nov 2021
STScI Multi-Object Spectroscopy Workshop	Virtual; May 2021
*UMass Amherst Galaxy Lunch	Amherst, MA; Apr 2021

Scientific Leadership, Development, and Service

Joint Princeton/IAS Colloquium Series - Organizer	Acad. Year 2025-2026
Lorentz Center Big Galaxies, Big Problems Workshop - Organizer	Apr 2025
Princeton Galread - Organizer	May 2024-Present
SQuIGGLE Collaboration - Organizational Lead	Sep 2023-Present
Pitt Galaxy Journal Club - Founding Organizer	Summers 2019, 2020, 2021
Referee for: <i>Nature</i> , <i>The Astrophysical Journal</i> , <i>Astronomy & Astrophysics</i> , <i>The Open Journal of Astrophysics</i>	
Telescope Allocation Committees: <i>NOIRLab</i> , <i>HST</i> (distributed review), <i>ALMA</i> (distributed review)	

Science Communication and Teaching

Science Communication:

CERN Courier Article: "The mystery of the little red dots"	Mar 2026
(Co-authored w/ Jenny Greene)	
Guest on WPRB <i>The Pidgin</i> : "little red dots"	Dec 2024
Communities Without Walls Continuing Education Guest Speaker	Nov 2024
Sherwood Oaks Retirement Community Continuing Education Guest Speaker	Mar 2023
ACCelerate Festival Presenter: "Making the Largest Maps of the Universe"	Mar 2023
Pittsburgh Public School Research Symposium Judge (2020 Chair of Judging Committee)	Apr 2019, 2020
Steward Observatory 21" telescope operator	Sep 2014-May 2017

Teaching:

Prison Teaching Initiative Summer Research Internship in Astronomy, <i>Mentor</i>	Summer 2026
Princeton Grad Galaxies Course, <i>Guest Lecturer</i>	Fall 2025
Prison Teaching Initiative Summer Internship, <i>Lecturer</i>	Summer 2024
AP Physics C: Mechanics + Electricity & Magnetism, <i>Tutor</i>	Acad. Year 19-20
Dietrich School of Arts and Sciences Teaching Assistant Mentor	Acad. Year 18-19
ASTRON 0089: Stars, Galaxies, and Cosmos, <i>Teaching Assistant</i>	Spring 2018
Received Myron P. Garfunkel Excellence in Graduate Student Teaching Award	
ASTRON 0088: Stonehenge to Hubble, <i>Teaching Assistant</i>	Fall 2017
ASTRON 0087: Basics of Spaceflight, <i>Teaching Assistant</i>	Fall 2017
PHYS 141: Introduction to Mechanics, <i>Preceptor</i>	Spring 2017
PHYS 241: Introduction to Electricity & Magnetism, <i>Preceptor</i>	Spring 2017

References

Professor Jenny Greene

Princeton University (*Postdoc Mentor*)

jgreene@astro.princeton.edu

Professor Rachel Bezanson

University of Pittsburgh (*Graduate Thesis Advisor*)

rachel.bezanson@pitt.edu

Professor Bruce Draine

Princeton University (*Collaborator*)

draine@astro.princeton.edu

Professor Justin Spilker

Texas A&M University (*Collaborator*)

jspilker@tamu.edu

Professor Gurtina Besla

University of Arizona (*Undergraduate Thesis Advisor*)

gbesla@arizona.edu

Publications

8 first author, 10 second author, 84 total. As of Sep 2026, these works have **5865** citations with an h-index of **38**.

* = paper led by student under close supervision of D.S.

First and Second Author:

18. *Sparks: The Magellan/FIRE Survey from Starburst to Post-starburst*
Baron, Dalya, **Setton, David J.**, Ma, Yilun, Prochaska, J. X., Canalizo, Gabriela; et al. 2026
The Astrophysical Journal 1004, 82
17. *Sparks. II. Panchromatic Spectral Energy Distribution Modeling and Galaxy Physical Properties across the Starburst to Post-starburst Sequence*
Baron, Dalya, **Setton, David J.**, Ma, Yilun, Prochaska, J. X., Davies, Ric; et al. 2026
The Astrophysical Journal 1002, 174
16. *Taking a Break at Cosmic Noon: Continuum-selected Low-mass Galaxies Require Long Burst Cycles*
Mintz, Abby, **Setton, David J.**, Greene, Jenny E., Leja, Joel, Wang, Bingjie; et al. 2026
The Astrophysical Journal 998, 257
15. *What You See Is What You Get: Empirically Measured Bolometric Luminosities of Little Red Dots*
Greene, Jenny E., **Setton, David J.**, Furtak, Lukas J., Naidu, Rohan P., Volonteri, Marta; et al. 2026
The Astrophysical Journal 996, 129
14. *Little Red Dots at an Inflection Point: Ubiquitous V-shaped Turnover Consistently Occurs at the Balmer Limit*
Setton, David J., Greene, Jenny E., de Graaff, Anna, Ma, Yilun, Leja, Joel; et al. 2025
The Astrophysical Journal 995, 118
13. *SQUIGGLE: Buried Star Formation Cannot Explain the Rapidly Fading CO(2-1) Luminosity in Massive, $z \sim 0.7$ Post-starburst Galaxies*
Setton, David J., Spilker, Justin S., Bezanson, Rachel, Suess, Katherine A., Greene, Jenny E.; et al. 2025
The Astronomical Journal 170, 351
12. *A Confirmed Deficit of Hot and Cold Dust Emission in the Most Luminous Little Red Dots*
Setton, David J., Greene, Jenny E., Spilker, Justin S., Williams, Christina C., Labbé, Ivo; et al. 2025
The Astrophysical Journal Letters 991, L10

11. *Meet the Neighbors: Gas Rich "Buddy Galaxies" are Common around Recently Quenched Massive Galaxies in the SQuIGGLE Survey*
Kumar, Anika, **Setton, David J.**, Bezanson, Rachel, Pearl, Alan, Stumbaugh, Erin; et al. 2025
Research Notes of the American Astronomical Society 9, 243
10. *UNCOVER: Significant Reddening in Cosmic Noon Quiescent Galaxies*
Siegel, Jared C., **Setton, David J.**, Greene, Jenny E., Suess, Katherine A., Whitaker, Katherine E.; et al. 2025
The Astrophysical Journal 985, 125
9. *Efficient formation of a massive quiescent galaxy at redshift 4.9*
de Graaff, Anna, **Setton, David J.**, Brammer, Gabriel, Cutler, Sam, Suess, Katherine A.; et al. 2025
Nature Astronomy 9, 280
8. *DESI Massive Poststarburst Galaxies at $z \sim 1.2$ Have Compact Structures and Dense Cores*
Zhang, Yunchong, **Setton, David J.**, Price, Sedona H., Bezanson, Rachel, Khullar, Gourav; et al. 2024
The Astrophysical Journal 976, 36
7. *UNCOVER NIRSpec/PRISM Spectroscopy Unveils Evidence of Early Core Formation in a Massive, Centrally Dusty Quiescent Galaxy at $z_{\text{spec}} = 3.97$*
Setton, David J., Khullar, Gourav, Miller, Tim B., Bezanson, Rachel, Greene, Jenny E.; et al. 2024
The Astrophysical Journal 974, 145
6. *The Large Magellanic Cloud's 30 kpc Bow Shock and Its Impact on the Circumgalactic Medium*
Setton, David J., Besla, Gurtina, Patel, Ekta, Hummels, Cameron, Zheng, Yong; et al. 2023
The Astrophysical Journal Letters 959, L11
5. *Merger Signatures are Common, but not Universal, in Massive, Recently Quenched Galaxies at $z \sim 0.7$*
Verrico, Margaret E., **Setton, David J.**, Bezanson, Rachel, Greene, Jenny E., Suess, Katherine A.; et al. 2023
The Astrophysical Journal 949, 5
4. *DESI Survey Validation Spectra Reveal an Increasing Fraction of Recently Quenched Galaxies at $z \sim 1$*
Setton, David J., Dey, Biprateep, Khullar, Gourav, Bezanson, Rachel, Newman, Jeffrey A.; et al. 2023
The Astrophysical Journal Letters 947, L31
3. *The Compact Structures of Massive $z \sim 0.7$ Post-starburst Galaxies in the SQuIGGLE Sample*
Setton, David J., Verrico, Margaret, Bezanson, Rachel, Greene, Jenny E., Suess, Katherine A.; et al. 2022
The Astrophysical Journal 931, 51
2. *SQuIGGLE Survey: Massive $z \sim 0.6$ Post-starburst Galaxies Exhibit Flat Age Gradients*
Setton, David J., Bezanson, Rachel, Suess, Katherine A., Hunt, Qiana, Greene, Jenny E.; et al. 2020
The Astrophysical Journal 905, 79
1. *The Role of Active Galactic Nuclei in the Quenching of Massive Galaxies in the SQuIGGLE Survey*
Greene, Jenny E., **Setton, David**, Bezanson, Rachel, Suess, Katherine A., Kriek, Mariska; et al. 2020
The Astrophysical Journal Letters 899, L9

White Papers with Major Contributions

1. *Constraining the Total Infrared Luminosities of the Most Luminous Little Red Dots*
McKinney, Jed, **Setton, David J.**, Barrufet, Laia, Shavei, Irene; et al. 2025
PRIMA GO Book Volume 2, Science Case 40

Papers with major contributions

19. *Caught Napping by JWST UNCOVER+MegaScience: Constraining bursty star formation histories and number densities of mini-quenched galaxies at redshifts 4-7*
Khullar, Gourav, Bezanson, Rachel, Suess, Katherine A., Mitsuhashi, Ikki, **Setton, David J.**; et al. 2026
arXiv e-prints
18. *Extended [CII] gas emission in and around a massive quiescent galaxy at $z=7.3$*
Valentino, F., Pensabene, A., Weibel, A., de Graaff, A., **Setton, D. J.**; et al. 2026
arXiv e-prints

17. *Discovery of Ancient Globular Cluster Candidates in the Relic, a Quiescent Galaxy at $z = 2.5$*
Whitaker, Katherine E., Cutler, Sam E., Chandar, Rupali, Pan, Richard, **Setton, David J.**; et al. 2026
The Astrophysical Journal 1001, 107
16. *Counting Little Red Dots at $z < 4$ with Ground-based Surveys and Spectroscopic Follow-up*
Ma, Yilun, Greene, Jenny E., **Setton, David J.**, Goulding, Andy D., Annunziatella, Marianna; et al. 2026
The Astrophysical Journal 1000, 59
15. *RUBIES Spectroscopically Confirms the High Number Density of Quiescent Galaxies from $2 < z < 5$*
Zhang, Yunchong, de Graaff, Anna, **Setton, David J.**, Price, Sedona H., Bezanson, Rachel; et al. 2026
The Astrophysical Journal 997, 252
14. *The Structure and Formation Histories of Low-mass Quiescent Galaxies in the A2744 Cluster Environment*
Cutler, Sam E., Weaver, John R., Whitaker, Katherine E., Greene, Jenny E., **Setton, David J.**; et al. 2025
The Astrophysical Journal 993, 169
13. *RUBIES: A spectroscopic census of little red dots: All point sources with v-shaped continua have broad lines*
Hviding, Raphael E., de Graaff, Anna, Miller, Tim B., **Setton, David J.**, Greene, Jenny E.; et al. 2025
Astronomy and Astrophysics 702, A57
12. *No Luminous Little Red Dots: A Sharp Cutoff in Their Luminosity Function*
Ma, Yilun, Greene, Jenny E., Volonteri, Marta, Goulding, Andy D., **Setton, David J.**; et al. 2025
arXiv e-prints
11. *JWST UNCOVERs the Optical Size-Stellar Mass Relation at $4 < z < 8$: Rapid Growth in the Sizes of Low-mass Galaxies in the First Billion Years of the Universe*
Miller, Tim B., Suess, Katherine A., **Setton, David J.**, Price, Sedona H., Labbe, Ivo; et al. 2025
The Astrophysical Journal 988, 196
10. *RUBIES Reveals a Massive Quiescent Galaxy at $z = 7.3$*
Weibel, Andrea, de Graaff, Anna, **Setton, David J.**, Miller, Tim B., Oesch, Pascal A.; et al. 2025
The Astrophysical Journal 983, 11
9. *The All-sky Impact of the LMC on the Milky Way Circumgalactic Medium*
Carr, Christopher, Bryan, Greg L., Garavito-Camargo, Nicolás, Besla, Gurtina, **Setton, David J.**; et al. 2025
The Astrophysical Journal 983, 151
8. *UNCOVER: 404 Error—Models Not Found for the Triply Imaged Little Red Dot A2744-QS01*
Ma, Yilun, Greene, Jenny E., **Setton, David J.**, Volonteri, Marta, Leja, Joel; et al. 2025
The Astrophysical Journal 981, 191
7. *SQUIGGLE: Observational Evidence of Low Ongoing Star Formation Rates in Gas-rich Post-starburst Galaxies*
Zhu, Pengpei, Suess, Katherine A., Kriek, Mariska, **Setton, David J.**, Bezanson, Rachel; et al. 2025
The Astrophysical Journal 981, 60
6. *UNCOVER: The Growth of the First Massive Black Holes from JWST/NIRSpec-Spectroscopic Redshift Confirmation of an X-Ray Luminous AGN at $z = 10.1$*
Goulding, Andy D., Greene, Jenny E., **Setton, David J.**, Labbe, Ivo, Bezanson, Rachel; et al. 2023
The Astrophysical Journal Letters 955, L24
5. *Rest-frame Near-infrared Sizes of Galaxies at Cosmic Noon: Objects in JWST's Mirror Are Smaller than They Appeared*
Suess, Katherine A., Bezanson, Rachel, Nelson, Erica J., **Setton, David J.**, Price, Sedona H.; et al. 2022
The Astrophysical Journal Letters 937, L33
4. *Star Formation Suppression by Tidal Removal of Cold Molecular Gas from an Intermediate-redshift Massive Post-starburst Galaxy*
Spilker, Justin S., Suess, Katherine A., **Setton, David J.**, Bezanson, Rachel, Feldmann, Robert; et al. 2022
The Astrophysical Journal Letters 936, L11
3. *Schrodinger's Galaxy Candidate: Puzzlingly Luminous at $z \approx 17$, or Dusty/Quenched at $z \approx 5$?*
Naidu, Rohan P., Oesch, Pascal A., **Setton, David J.**, Matthee, Jorjyt, Conroy, Charlie; et al. 2022
arXiv e-prints

2. *SQuIGGLE: Studying Quenching in Intermediate- z Galaxies-Gas, Angular Momentum, and Evolution*
Suess, Katherine A., Kriek, Mariska, Bezanson, Rachel, Greene, Jenny E., **Setton, David**; et al. 2022
The Astrophysical Journal 926, 89
1. *Now You See It, Now You Don't: Star Formation Truncation Precedes the Loss of Molecular Gas by 100 Myr in Massive Poststarburst Galaxies at $z \sim 0.6$*
Bezanson, Rachel, Spilker, Justin S., Suess, Katherine A., **Setton, David J.**, Feldmann, Robert; et al. 2022
The Astrophysical Journal 925, 153

Other Co-Author Papers

47. *Toward Unbreaking the Universe: MINERVA Measurements of Color Gradients in Massive Quiescent Galaxies Can Help Ease Too-early Star Formation Tensions*
Cutler, Sam E., Robbins, Luke, Marchesini, Danilo, Suess, Katherine A., Muzzin, Adam; et al. 2026 (including **D. Setton**)
The Astrophysical Journal Letters 1008, L11
46. *The nature of post-starburst galaxies: real deal or masquerading impostors?*
Cenci, Elia, Feldmann, Robert, Wellons, Sarah, Gensior, Jindra, Bassini, Luigi; et al. 2026 (including **D. Setton**)
Monthly Notices of the Royal Astronomical Society 551, stag1492
45. *Little Red Dots host Black Hole Stars: A unified family of gas-reddened AGN revealed by JWST/NIRSpec spectroscopy*
de Graaff, Anna, Hviding, Raphael E., Naidu, Rohan P., Greene, Jenny E., Miller, Tim B.; et al. 2026 (including **D. Setton**)
Monthly Notices of the Royal Astronomical Society (in press)
44. *Everything Every Band All at Once. I. A Global Morphology Catalog in A2744 Based on UNCOVER/MegaScience*
Zhang, Yunchong, Miller, Tim B., Price, Sedona H., Suess, Katherine A., Bezanson, Rachel; et al. 2026 (including **D. Setton**)
The Astrophysical Journal Supplement Series 285, 62
43. *The Mass-Metallicity Relation and Its Observational Effects at $z \sim 3-6$*
Lewis, Zach, Maseda, Michael V., de Graaff, Anna, Leja, Joel, Wang, Bingjie; et al. 2026 (including **D. Setton**)
The Astrophysical Journal 1005, 159
42. *Winding Back the Clock: Recent Star Formation Histories of Massive Quiescent Galaxies Are Consistent with Their Rapid Number Density Evolution since $z \sim 7$*
Zhang, Yunchong, Ji, Zhiyuan, Bezanson, Rachel, Williams, Christina C., Brammer, Gabriel; et al. 2026 (including **D. Setton**)
The Astrophysical Journal Letters 1004, L35
41. *LEGGOS I: The JWST LEGGOS Survey – LEnsing and Galaxy Growth: Observing Substructures – Unpacks the Nature of Clumpy Star Formation and Quenching in Gravitationally Lensed Galaxies beyond Cosmic Noon*
Khullar, Gourav, Florian, Michael, Bayliss, Matthew B., Hutchison, Taylor A., Welch, Brian; et al. 2026 (including **D. Setton**)
arXiv e-prints
40. *Black Hole Stars Across the Universe: Identifying Central Engine Dominated Little Red Dots at $z \sim 1.5 - 9.5$*
Weibel, Andrea, Naidu, Rohan P., Oesch, Pascal A., de Graaff, Anna, Hviding, Raphael E.; et al. 2026 (including **D. Setton**)
arXiv e-prints
39. *Little Red Dot - Host Galaxy = Black Hole Star: A Gas-Enshrouded Heart at the Center of Every Little Red Dot*
Sun, Wendy Q., Naidu, Rohan P., Matthee, Jorryt, de Graaff, Anna, Chisholm, John; et al. 2026 (including **D. Setton**)
The Open Journal of Astrophysics 9, 62505

38. *Molecular Gas Excitation in $z \sim 0.7$ Gas-rich Poststarburst Galaxies from SQUIGGLE*
D'Onofrio, Vincenzo R., Spilker, Justin S., Bezanson, Rachel, Feldmann, Robert, Goulding, Andy D.; et al. 2026 (including **D. Setton**)
The Astrophysical Journal 1003, 52
37. *A Possible Protocluster of Galaxies Serendipitously Discovered in the Field of an Intermediate-redshift Post-starburst Galaxy*
Knowlton, Mary C., Spilker, Justin S., Bezanson, Rachel, D'Onofrio, Vincenzo R., Kumar, Anika; et al. 2026 (including **D. Setton**)
Research Notes of the American Astronomical Society 10, 102
36. *It's More Complicated Than You Think: A Forward Model to Infer the Recent Star Formation History, Bursty or Not, of Galaxy Populations*
Burnham, Emilie, Wang, Bingjie, Leja, Joel, Gonzales, Owen, Greene, Jenny E.; et al. 2026 (including **D. Setton**)
The Astrophysical Journal 1001, 205
35. *The X-Ray Dot: Exotic Dust or a Late-stage Little Red Dot?*
Hviding, Raphael E., de Graaff, Anna, Liu, Hanpu, Goulding, Andy D., Ma, Yilun; et al. 2026 (including **D. Setton**)
The Astrophysical Journal Letters 1000, L18
34. *Everything Every Band All at Once II: The Relationship Between Optical Size and Stellar Mass Over Eight Billion Years of Cosmic History*
Miller, Tim B., Zhang, Yunchong, Price, Sedona H., Suess, Katherine A., Bezanson, Rachel; et al. 2026 (including **D. Setton**)
arXiv e-prints
33. *Water absorption confirms cool atmospheres in two little red dots*
Wang, Bingjie, Leja, Joel, Labbe, Ivo, Greene, Jenny E., Liu, Hanpu; et al. 2026 (including **D. Setton**)
arXiv e-prints
32. *UNCOVER/MegaScience Finds Uniform and Highly Bursty Star Formation at $3 < z < 9$, consistent with the High-Redshift UV Luminosity Function*
Mitsunishi, Ikki, Suess, Katherine A., Leja, Joel, Bezanson, Rachel, Greene, Jenny E.; et al. 2026 (including **D. Setton**)
arXiv e-prints
31. *Unusually High Gas-to-dust Ratios Observed in High-redshift Quiescent Galaxies*
Spilker, Justin S., Whitaker, Katherine E., Narayanan, Desika, Bezanson, Rachel, Bodansky, Sarah; et al. 2025 (including **D. Setton**)
The Astrophysical Journal Letters 993, L40
30. *Cold Gas in a Post-starburst Pair in the $z \sim 1.4$ HeavyMetal Survey: Major Mergers as a Pathway to Retain Gas in Quenched Galaxies*
Suess, Katherine A., Beverage, Aliza G., Kriek, Mariska, Spilker, Justin S., Bezanson, Rachel; et al. 2025 (including **D. Setton**)
The Astrophysical Journal 993, 158
29. *Where Galaxies Go to Die: The Environments of Massive Quiescent Galaxies at $3 < z < 5$*
McConachie, Ian, de Graaff, Anna, Maseda, Michael V., Leja, Joel, Zhang, Yunchong; et al. 2025 (including **D. Setton**)
arXiv e-prints
28. *Quenching through Tidal Gas Removal: Molecular Gas and Star Formation in Tidal Tails of $z \sim 0.7$ Post-starburst Galaxies*
D'Onofrio, Vincenzo R., Spilker, Justin S., Bezanson, Rachel, Feldmann, Robert, Goulding, Andy D.; et al. 2025 (including **D. Setton**)
The Astrophysical Journal 990, 166

27. *A remarkable ruby: Absorption in dense gas, rather than evolved stars, drives the extreme Balmer break of a little red dot at $z = 3.5$*
de Graaff, Anna, Rix, Hans-Walter, Naidu, Rohan P., Labbé, Ivo, Wang, Bingjie; et al. 2025 (including **D. Setton**)
Astronomy and Astrophysics 701, A168
26. *UNCOVER/MegaScience: No Evidence of Environmental Quenching in a $z \sim 2.6$ Protocluster*
Pan, Richard, Suess, Katherine A., Marchesini, Danilo, Wang, Bingjie, Leja, Joel; et al. 2025 (including **D. Setton**)
The Astrophysical Journal Letters 990, L24
25. *The Nature of Post-Starburst Galaxies: Real Deal or Masquerading Impostors?*
Cenci, Elia, Feldmann, Robert, Wellons, Sarah, Gensior, Jindra, Bassini, Luigi; et al. 2025 (including **D. Setton**)
arXiv e-prints
24. *No [C II] or dust detection in two Little Red Dots at $z_{\text{spec}} > 7$*
Xiao, Mengyuan, Oesch, Pascal A., Bing, Longji, Elbaz, David, Matthee, Jorjyt; et al. 2025 (including **D. Setton**)
Astronomy and Astrophysics 700, A231
23. *MINERVA: A NIRCам Medium Band and MIRI Imaging Survey to Unlock the Hidden Gems of the Distant Universe*
Muzzin, Adam, Suess, Katherine A., Marchesini, Danilo, Robbins, Luke, Willott, Chris J.; et al. 2025 (including **D. Setton**)
arXiv e-prints
22. *Gas outflows in two recently quenched galaxies at $z = 4$ and 7*
Valentino, F., Heintz, K. E., Brammer, G., Ito, K., Kokorev, V.; et al. 2025 (including **D. Setton**)
Astronomy and Astrophysics 699, A358
21. *DUALZ—Deep UNCOVER-ALMA Legacy High-Z Survey*
Fujimoto, Seiji, Bezanson, Rachel, Labbe, Ivo, Brammer, Gabriel, Price, Sedona H.; et al. 2025 (including **D. Setton**)
The Astrophysical Journal Supplement Series 278, 45
20. *RUBIES: A complete census of the bright and red distant Universe with JWST/NIRSpec*
de Graaff, Anna, Brammer, Gabriel, Weibel, Andrea, Lewis, Zach, Maseda, Michael V.; et al. 2025 (including **D. Setton**)
Astronomy and Astrophysics 697, A189
19. *RUBIES: JWST/NIRSpec Confirmation of an Infrared-luminous, Broad-line Little Red Dot with an Ionized Outflow*
Wang, Bingjie, de Graaff, Anna, Davies, Rebecca L., Greene, Jenny E., Leja, Joel; et al. 2025 (including **D. Setton**)
The Astrophysical Journal 984, 121
18. *UNCOVERing the High-redshift AGN Population among Extreme UV Line Emitters*
Treiber, Helena, Greene, Jenny E., Weaver, John R., Miller, Tim B., Furtak, Lukas J.; et al. 2025 (including **D. Setton**)
The Astrophysical Journal 984, 93
17. *RUBIES: JWST/NIRSpec Resolves Evolutionary Phases of Dusty Star-forming Galaxies at $z \sim 2$*
Cooper, Olivia R., Brammer, Gabriel, Heintz, Kasper E., Toft, Sune, Casey, Caitlin M.; et al. 2025 (including **D. Setton**)
The Astrophysical Journal 982, 125
16. *The UNCOVER Survey: First Release of Ultradeep JWST/NIRSpec PRISM Spectra for ~ 700 Galaxies from $z \sim 0.3$ -13 in A2744*
Price, Sedona H., Bezanson, Rachel, Labbe, Ivo, Furtak, Lukas J., de Graaff, Anna; et al. 2025 (including **D. Setton**)
The Astrophysical Journal 982, 51

15. *The FENIKS Survey: Spectroscopic Confirmation of Massive Quiescent Galaxies at $z \sim 3-5$*
Antwi-Danso, Jacqueline, Papovich, Casey, Esdaile, James, Nanayakkara, Themiya, Glazebrook, Karl; et al. 2025 (including **D. Setton**)
The Astrophysical Journal 978, 90
14. *UNCOVER: A NIRSpec Census of Lensed Galaxies at $z = 8.50-13.08$ Probing a High-AGN Fraction and Ionized Bubbles in the Shadow*
Fujimoto, Seiji, Wang, Bingjie, Weaver, John R., Kokorev, Vasily, Atek, Hakim; et al. 2024 (including **D. Setton**)
The Astrophysical Journal 977, 250
13. *An unambiguous AGN and a Balmer break in an Ultraluminous Little Red Dot at $z=4.47$ from Ultra-deep UNCOVER and All the Little Things Spectroscopy*
Labbe, Ivo, Greene, Jenny E., Matthee, Jorjyt, Treiber, Helena, Kokorev, Vasily; et al. 2024 (including **D. Setton**)
arXiv e-prints
12. *Medium Bands, Mega Science: A JWST/NIRCam Medium-band Imaging Survey of A2744*
Suess, Katherine A., Weaver, John R., Price, Sedona H., Pan, Richard, Wang, Bingjie; et al. 2024 (including **D. Setton**)
The Astrophysical Journal 976, 101
11. *The JWST UNCOVER Treasury Survey: Ultra-deep NIRSpec and NIRCam Observations before the Epoch of Reionization*
Bezanson, Rachel, Labbe, Ivo, Whitaker, Katherine E., Leja, Joel, Price, Sedona H.; et al. 2024 (including **D. Setton**)
The Astrophysical Journal 974, 92
10. *RUBIES: Evolved Stellar Populations with Extended Formation Histories at $z \sim 7-8$ in Candidate Massive Galaxies Identified with JWST/NIRSpec*
Wang, Bingjie, Leja, Joel, de Graaff, Anna, Brammer, Gabriel B., Weibel, Andrea; et al. 2024 (including **D. Setton**)
The Astrophysical Journal Letters 969, L13
9. *Two Distinct Classes of Quiescent Galaxies at Cosmic Noon Revealed by JWST PRIMER and UNCOVER*
Cutler, Sam E., Whitaker, Katherine E., Weaver, John R., Wang, Bingjie, Pan, Richard; et al. 2024 (including **D. Setton**)
The Astrophysical Journal Letters 967, L23
8. *UNCOVER Spectroscopy Confirms the Surprising Ubiquity of Active Galactic Nuclei in Red Sources at $z > 5$*
Greene, Jenny E., Labbe, Ivo, Goulding, Andy D., Furtak, Lukas J., Chemerynska, Iryna; et al. 2024 (including **D. Setton**)
The Astrophysical Journal 964, 39
7. *The UNCOVER Survey: A First-look HST+JWST Catalog of Galaxy Redshifts and Stellar Population Properties Spanning $0.2 \leq z \leq 15$*
Wang, Bingjie, Leja, Joel, Labbé, Ivo, Bezanson, Rachel, Whitaker, Katherine E.; et al. 2024 (including **D. Setton**)
The Astrophysical Journal Supplement Series 270, 12
6. *The UNCOVER Survey: A First-look HST + JWST Catalog of 60,000 Galaxies near A2744 and beyond*
Weaver, John R., Cutler, Sam E., Pan, Richard, Whitaker, Katherine E., Labbé, Ivo; et al. 2024 (including **D. Setton**)
The Astrophysical Journal Supplement Series 270, 7
5. *UNCOVER: Illuminating the Early Universe-JWST/NIRSpec Confirmation of $z > 12$ Galaxies*
Wang, Bingjie, Fujimoto, Seiji, Labbé, Ivo, Furtak, Lukas J., Miller, Tim B.; et al. 2023 (including **D. Setton**)
The Astrophysical Journal Letters 957, L34

4. *UNCOVER: A NIRSpect Identification of a Broad-line AGN at $z = 8.50$*
Kokorev, Vasily, Fujimoto, Seiji, Labbe, Ivo, Greene, Jenny E., Bezanson, Rachel; et al. 2023 (including **D. Setton**)
The Astrophysical Journal Letters 957, L7
3. *JWST Reveals a Population of Ultrared, Flattened Galaxies at $2 \leq z \leq 6$ Previously Missed by HST*
Nelson, Erica J., Suess, Katherine A., Bezanson, Rachel, Price, Sedona H., van Dokkum, Pieter; et al. 2023 (including **D. Setton**)
The Astrophysical Journal Letters 948, L18
2. *Two Remarkably Luminous Galaxy Candidates at $z \sim 10-12$ Revealed by JWST*
Naidu, Rohan P., Oesch, Pascal A., van Dokkum, Pieter, Nelson, Erica J., Suess, Katherine A.; et al. 2022 (including **D. Setton**)
The Astrophysical Journal Letters 940, L14
1. *Recovering the Star Formation Histories of Recently Quenched Galaxies: The Impact of Model and Prior Choices*
Suess, Katherine A., Leja, Joel, Johnson, Benjamin D., Bezanson, Rachel, Greene, Jenny E.; et al. 2022 (including **D. Setton**)
The Astrophysical Journal 935, 146