

Katherine A. (Wren) Suess

Department of Astrophysical and Planetary Sciences
University of Colorado Boulder

suess@colorado.edu
wrensuess.github.io

Research Interests

Observational galaxy formation and evolution; galaxy quenching; structural evolution of galaxies; spatially-resolved stellar population modeling; galaxy star formation histories

Research Positions

| | |
|---|----------------|
| Assistant Professor , University of Colorado Boulder | 2024 - present |
| Hubble Fellow , Stanford University | 2023 - 2024 |
| Stanford - Santa Cruz Cosmology Fellow , UC Santa Cruz & Stanford University | 2021 - 2023 |
| UC Santa Cruz Chancellor's Fellow , UC Santa Cruz | 2021 - 2023 |
| NSF Graduate Research Fellow; Berkeley Chancellor's Fellow , UC Berkeley | 2015 - 2021 |

Education

| | |
|---|----------|
| Ph.D. Astrophysics , University of California, Berkeley | Aug 2021 |
| <i>Advisor:</i> Mariska Kriek | |
| <i>Thesis:</i> The Growth & Transformation of Galaxies Across Cosmic Time | |
| M.A. Astrophysics , University of California, Berkeley | May 2017 |
| B.A. Physics , <i>summa cum laude</i> , University of Colorado, Boulder | May 2015 |
| <i>Advisor:</i> Jeremy Darling | |
| <i>Honors thesis:</i> Identifying OH Imposters in the ALFALFA Neutral Hydrogen Survey | |

Selected Awards & Honors

| | |
|--|------|
| Hubble Fellowship | 2023 |
| Mary Elizabeth Uhl Prize <i>for outstanding scholarly achievement by a graduate student finishing their dissertation in Astronomy or Physics</i> | 2021 |
| UC Berkeley Grad Slam Semifinalist <i>(final competition canceled due to COVID-19)</i> | 2019 |
| Robert J. Trumpler Graduate Excellence Award | 2019 |
| Outstanding Graduate Student Instructor | 2017 |
| NSF Graduate Research Fellowship | 2016 |
| University of California, Berkeley Chancellor's Fellowship | 2015 |
| Stephen Halley White Undergraduate Research Award | 2015 |

Grants

| | |
|--|-----------|
| Funded Research Grants: ~ \$3 million total as (admin/co-) PI, ~ \$1.6m at CU Boulder | |
| JWST GO Cycle 4 (Co-PI with A. Muzzin & D. Marchesini: \$977k total, \$399k at CU) | 2025-2028 |
| <i>MINERVA: Unlocking the Hidden Gems of the Distant Universe</i> | |
| JWST GO Cycle 4 (US Admin PI , science PI Ikki Mitsuhashi: \$295k total, \$219k at CU) | 2025-2028 |
| <i>On the search for a primeval black hole in a spectroscopically-confirmed galaxy at z=12.3</i> | |
| JWST GO Cycle 4 (Co-PI with S. Alberts: \$235k total, \$86k at CU) | 2025-2028 |
| <i>Dust after Quenching: a mid-IR view into the hidden ISM of distant massive galaxies</i> | |
| JWST GO Cycle 3 (Co-PI with R. Wechsler: \$243k total, \$112k at CU) | 2024-2027 |
| <i>Characterizing the z > 1 satellite population with public deep-field JWST surveys</i> | |
| JWST CO Cycle 3 (funded Co-I; PI M. Kriek): \$54k at CU | 2024-2027 |
| <i>Extremely deep spectroscopy of quiescent galaxies at z~0.7: a direct measurement of the stellar IMF</i> | |
| NSF AAG (Co-PI with J. Spilker: \$525k total, \$262k at CU) | 2024-2027 |
| <i>Collaborative Research: A Matter of Timing</i> | |
| <i>Star Formation Suppression Over the Last Half of Cosmic History</i> | |
| JWST GO Cycle 2 (PI : \$715k total, \$497k at CU) | 2023-2026 |
| <i>Medium Bands, Mega Science: spatially-resolved R~15 spectrophotometry of Abell 2744</i> | |
| NRAO ALMA Student Observing Support (PI : \$10k) | 2020-2021 |

| | |
|---|------------------------|
| <i>Mapping the molecular gas reservoirs of recently-quenched galaxies</i> | |
| HST Cycle 25 (PI: \$22k) | 2017-2019 |
| <i>Understanding the origin of large gas reservoirs in recently-quenched galaxies</i> | |
| NRAO VLA Student Observing Support (PI: \$32k) | 2017-2018 |
| <i>Understanding the origin of large gas reservoirs in recently-quenched galaxies</i> | |
| Fellowships & travel grants | |
| NASA Hubble Fellowship | 2023-2026 |
| ALMA Ambassador Research Award | 2022 |
| Simons Foundation Grant (to attend Aspen Center for Physics workshop) | Feb 2020, Aug 2023 |
| UC Berkeley Graduate Division Travel Grant | Summer 2019, Fall 2019 |
| IAU Travel Grant | 2019 |
| AAS International Travel Grant | 2019-1, 2019-2, 2020-1 |
| NSF Graduate Research Fellowship (3 years stipend & tuition) | 2016 |
| UC Berkeley Chancellor's Fellowship (2 years stipend & tuition) | 2015 |

PI & Co-PI Telescope Programs

Atacama Large Millimeter/submillimeter Array

5. **K. Suess**, R. Bezanson, R. Feldmann, J. E. Greene, M. Kriek, D. Narayanan, D. Setton, J. Spilker, P.-F. Wu, Cycle 8: 2021.1.00761.S, Quantifying the molecular gas reservoirs of post-starburst AGN hosts (14.5 hours)
4. **K. Suess**, R. Bezanson, R. Feldmann, J. E. Greene, K. Hall-Hooper, Q. Hunt, M. Kriek, D. Narayanan, D. Setton, J. Spilker, Cycle 8: 2021.1.00749.S, Mapping the molecular gas reservoirs of recently-quenched galaxies (2.6 hours)
3. **K. Suess**, R. Bezanson, R. Feldmann, J. E. Greene, K. Hall-Hooper, Q. Hunt, M. Kriek, D. Narayanan, D. Setton, J. Spilker, Cycle 7: 2019.1.00221.S, Mapping the molecular gas reservoirs of recently-quenched galaxies (11.4 hours)
2. **K. Suess**, R. Bezanson, R. Feldmann, J. E. Greene, K. Hall-Hooper, Q. Hunt, M. Kriek, D. Narayanan, D. Setton, J. Spilker, Cycle 6: 2018.1.01240.S, Mapping the molecular gas reservoir of a recently-quenched galaxy (7.0 hours)
1. **K. Suess**, R. Bezanson, R. Feldmann, J. E. Greene, K. Hall-Hooper, Q. Hunt, M. Kriek, D. Narayanan, D. Setton, J. Spilker, Cycle 6: 2018.1.01264.S, How did molecular gas end up tens of kiloparsecs away from a massive, recently-quenched $z \sim 0.6$ galaxy? (6.5 hours)

Gemini Observatory

1. **K. Suess**, R. Bezanson, R. Feldmann, J. E. Greene, K. Hall-Hooper, Q. Hunt, M. Kriek, D. Narayanan, D. Setton, J. Spilker, 2019B: GS-2019B-Q-232, Characterizing the sizes and morphologies of $z \sim 0.6$ gas-rich quenched galaxies (7.7 hours)

Hubble Space Telescope

1. **K. Suess**, J. Spilker, R. Bezanson, M. Kriek, J. Greene, Cycle 25: [GO 15436](#), Understanding the Origin of Large Gas Reservoirs in Recently-Quenched Galaxies (3 orbits)

James Webb Space Telescope

4. **K. Suess**, A. Muzzin, & D. Marchesini et al., Cycle 4: [GO 7814](#), MINERVA: Unlocking the Hidden Gems of the Distant Universe and Completing HST and JWST's Imaging Legacy with Medium Bands (260 hrs NIRCam; 127 hrs MIRI)
3. **K. Suess** & S. Alberts et al., Cycle 4: [GO 7874](#), Dust After Quenching: A Mid-Infrared View into the Hidden ISM of Distant Massive Galaxies (37.5 hrs NIRSpec IFU & MIRI MRS)
2. **K. Suess** & R. Wechsler et al., Cycle 3: [AR 5907](#), Characterizing the $z > 1$ satellite population with public deep-field JWST surveys (archival)
1. **K. Suess**, et al., Cycle 2: [GO 4111](#), Medium Bands, Mega Science: Spatially-resolved R~15 spectrophotometry of 50,000 sources at $z=0.3\text{--}1.2$ (48 hrs NIRCam; 30 hrs NIRISS)

Keck Observatory

3. M. Kriek*, **K. Suess**, R. Bezanson, J. Greene, J. Spilker, Spr 2019: U132, Testing the Quiescence of Massive, Gas-rich Post-starburst Galaxies (0.5 night, NIRES)
2. M. Kriek*, **K. Suess**, R. Bezanson, J. Greene, J. Spilker, Fall 2018: U093, Testing the Quiescence of Massive, Gas-rich Post-starburst Galaxies (0.5 night, NIRES)
1. M. Kriek*, **K. Suess**, R. Bezanson, J. Greene, J. Spilker, Spr 2018: U232, Testing the Quiescence of Massive, Gas-rich Post-starburst Galaxies (1 night, NIRES)

*acting PI; graduate students/postdocs cannot PI UC Keck proposals

Lick Observatory

2. **K. Suess**, M. Kriek, K. Hall-Hooper, R. Bezanson, J. Greene, B. Holden, Fall 2018: S018, Spectroscopic Confirmation of Post-Starburst Galaxies (6 nights, Kast Spectrograph)
1. **K. Suess**, M. Kriek, J. Greene, R. Bezanson, Fall 2016: S018, The origin of compact quiescent galaxies as revealed by $z \sim 0.7$ post-starburst galaxies (3 nights, ShARCS LGS)

Very Large Array

1. **K. Suess**, J. Spilker, R. Bezanson, M. Kriek, J. Greene, Spr 2018: VLA/18A-390, Understanding the Origin of Large Gas Reservoirs in Recently-Quenched Galaxies (7.5 hours; A priority)

Co-I Telescope Programs

Atacama Large Millimeter/submillimeter Array: 2017.1.01109.S, 2016.1.01126.S, & 2019.1.01286.S, 2019.1.00702.S, 2021.1.00988.S, 2021.1.01535.S, 2022.1.00604.S, PIs R. Bezanson, M. Kriek, P.-F. Wu, & D. Setton, 156.8 hours.

Gemini Observatory: GN-2018B-Q-203 & GS-2018B-Q-104, GS-2018A-FT-112, GS-2017B-Q-35, GN-2017B-Q-37, GS-2017A-Q-56, PIs R. Bezanson & Q. Hunt, GMOS, 37.53 hours.

Keck Observatory: S21 U075, F20 U054, S20 U220, F19 U171, S19 U133, F18 U094, S18 U258, F17 U147, S17 U091, PI M. Kriek, 21 nights MOSFIRE & 4 nights LRIS.

Hubble Space Telescope: Cycle 28 16201, Cycle 28 16248, PI J. Spilker, WFC3 grism & imaging, 6 orbits.

James Webb Space Telescope: Cycle 1: PID 2110 (PI M. Kriek, 23hr NIRSpec).

Cycle 2: PID 3516 (PI Matthee, 47.2hr NIRCam grism), 3659 (PI D'Eugenio, 24hr NIRSpec), 4106 (PI Nelson, 14hr NIRSpec), 4196 (PI Gibson, 3hr NIRSpec), 4233 (PI A. de Graaff & Brammer, 58hr NIRSpec).

Cycle 3: PID 6405 (PIs S. Cutler & K. Whitaker, 20hr NIRSpec), 5629 (PIs M. Kriek, A. Beverage, & C. Cheng, 42hr NIRSpec), 5355 (PI M. Bustamante Rosell, archival), 5224 (PIs P. Oesch & R. Naidu, 34hr NIRSpec).

Cycle 4: PID 8317 (PI Kriek, 8hr NIRSpec), 8047 (PIs Wang & Nelson, 20hr NIRSpec), 8607 (PI Siegel, 20hr NIRSpec).

Very Large Array: VLA/19A-390 (PI R. Bezanson, 8hr), VLA/20A-188 (PI J. Spilker, 8.3hr), VLA/20B-281 (PI J. Spilker, 6.5hr), VLA/22A-362 (PI J. Spilker, 45hr), VLA/24B-451 (PI V. Donofrio, 21hr).

Research Mentorship

| | |
|--|----------------|
| Dr. Ikki Mitsuhashi, CU Boulder postdoc; SFHs of high-z galaxies | 2024 - present |
| Natalia Porraz, CU Boulder graduate student; extreme emission line galaxies in MegaScience | 2024 - present |
| Richard Pan, Tufts graduate student; environmental quenching at cosmic noon | 2024 - present |
| Brian Lorenz, UC Berkeley graduate student; medium-band dust maps at cosmic noon | 2024 - present |
| Jenny Wan, Stanford graduate student; satellite galaxies at cosmic noon | 2022 - present |
| Michelle Park, Stanford undergraduate; recovering SFHs of high-z quiescent galaxies | 2022-2024 |

Teaching

| | |
|--|-----------|
| ASTR-3800, Introduction to Scientific Data Analysis and Computing <i>Undergraduate majors course, ~ 35 students</i> | Fall 2024 |
| ALMA Ambassador & Workshop Leader, Stanford University | 2022 |
| Graduate Student Instructor, UC Berkeley AY160: Stellar Physics | Fall 2016 |
| Graduate Student Instructor, UC Berkeley Astro C10: Introduction to General Astronomy | Fall 2015 |

Service & Leadership

Respect Is Part of Research: peer-led sexual assault & harassment prevention workshops for incoming physics & astronomy graduate students,
respectispartofresearch.com

Co-coordinator, Respect is Part of Research (with Micah Brush) 2018 - 2021
(responsibilities: develop workshop content; coordinate with university survivor support office & Title IX office; secure program funding; work with university officials, statewide Title IX office, and graduate union to expand program to all UC Berkeley graduate departments)

| | |
|---|-------------|
| Member, UC Berkeley Coordinated Community Review Team for Sexual and Gender-Based Violence and Misconduct | 2020-2021 |
| Facilitator training lead, Harvard University Physics Department Caltech Astronomy Department | Aug 2020 |
| “Respect is Part of Research” – Presentation and Q&A, UC Berkeley Graduate Assembly | Feb 2020 |
| Lead Organizer, “How to Start a Peer-Led SVSH Prevention Program” workshop (with Micah Brush) Jan 2020 | Jan 2020 |
| <i>(2-day workshop attended by ~25 grad students from 10 institutions to teach the Respect is Part of Research model; 4 new RPR chapters started for Fall 2020)</i> | |
| Presentation and Climate Q&A, Physics Department Faculty Retreat | Dec 2019 |
| “Respect is Part of Research: Peer-Led Training to Improve Departmental Climate” UC Berkeley Astronomy Lunch Talks | Oct 2019 |
| Facilitator training lead for UC Berkeley (7 academic departments, 55 peer facilitators) | Aug 2019 |
| Facilitator, UC Berkeley College of Chemistry Diversity & Inclusion Focus Group | Feb 2019 |
| Respect is Part of Research Facilitator | 2017 - 2021 |

Other Service & Leadership

| | |
|---|------------------------|
| Journal Referee: ApJ, MNRAS, A&A | |
| NOIRLab Time Allocation Committee Panel Chair (Extragalactic) | 2025A |
| NOIRLab Time Allocation Committee Panel Member (Extragalactic) | 2023A - 2024B |
| NRAO Student Observing Support Grant Review Panel | 2022 |
| ALMA Ambassador (<i>lead two day-long workshops to teach community members radio interferometry, from radio basics to data reduction to writing ALMA proposals</i>) | 2022 |
| ALMA Distributed Time Allocation Committee member | Cycle 8, 9 |
| Hubble Space Telescope Time Allocation Committee Panel Member (Galaxies) | Cycle 27, 27.5, 28 |
| Facilitator, UC Berkeley Astronomy Racial Justice Book Club | Summer 2020, Fall 2020 |
| UC Berkeley Astronomy Graduate Student Representative | 2019-2020 |
| Head of prospective graduate student visit committee, UC Berkeley | 2018, 2019 |

Outreach

| | |
|---|------------------|
| Latin American Webinars on Physics (~300 views; https://www.youtube.com/watch?v=mta_XWK4nwU) | Oct 2023 |
| Early Results from <i>JWST</i> , CU STARS, Boulder, CO | Nov 2022 |
| <i>JWST: a new era of distant galaxies</i> , KIPAC public lecture (~500 attendees), Stanford, CA | Oct 2022 |
| Astro Circle speaker, BASIS Independent Silicon Valley High School, San Jose, CA | March 2022 |
| <i>Tons of Fuel But No Fire</i> , UC Berkeley Grad Slam, Berkeley CA | Feb 2020 |
| Lunch speaker, Berkeley High School STEMinist Club, Berkeley CA | Feb 2020 |
| <i>Galaxies Across Cosmic Time</i> , Astro Night Public Lecture (~ 250 attendees), Berkeley CA | 2019 |
| <i>What's it like being an astronomer?</i> , MetWest High School, Oakland CA | 2019 |
| <i>Galaxies Across Time</i> , Public Talk at Grounds for Science (~ 50 attendees), Emeryville CA | 2018 |
| Head Expert, Branson School 9th Grade Science Symposium, Ross CA | 2018 |
| Berkeley High School STEMinist Club Shadow Day, UC Berkeley | 2016 |
| Astronomy department exposition at Cal Day, UC Berkeley | 2016, 2018, 2019 |
| Mentoring group, Society of Women in the Physical Sciences, UC Berkeley | 2015 - 2020 |

Presentations

Seminars (* invited)

| | |
|--|------------|
| * <i>Colloquium</i> , Leiden Observatory | Apr 2025 |
| *ITC Seminar, Center for Astrophysics, Harvard | March 2024 |
| * <i>Colloquium</i> , Colorado State University Physics Department | Nov 2023 |
| *Astronomy Seminar, Texas A&M Astronomy | Oct 2023 |
| * <i>Colloquium</i> , CU Boulder Astrophysical & Planetary Sciences Department | Feb 2023 |
| *Cosmology & Galaxy Seminar, UC Santa Cruz | Dec 2022 |
| * <i>Colloquium</i> , CU Boulder Astrophysical & Planetary Sciences Department | Nov 2022 |
| * <i>Colloquium</i> , KIPAC, Stanford University | Oct 2022 |
| NRAO webinar, “How to write an ALMA proposal” | Apr 2022 |
| FLASH seminar, UC Santa Cruz Astronomy Department | Apr 2022 |

| | |
|--|------------|
| *SCIPP seminar, UC Santa Cruz Physics Department | Jan 2022 |
| * Colloquium , Saint Mary's University in Halifax | Sept 2021 |
| *University of Hertfordshire Astronomy Seminar | June 2021 |
| *CANDELS SED fitting working group meeting | Apr 2021 |
| * Colloquium , University of Sussex | Apr 2021 |
| *Caltech Tea Talk | Dec 2020 |
| Princeton University GalRead Seminar | Nov 2020 |
| Hernquist Group Meeting, Harvard University | Nov 2020 |
| *UMass Amherst Galaxy Lunch Seminar | Oct 2020 |
| University of Arizona Galaxy Group Talk | Oct 2020 |
| *Harvard ITC Colloquium | Oct 2020 |
| *Carnegie Observatories Lunch Talk | Oct 2020 |
| UC Santa Cruz Cosmology-Galaxies-IGM Seminar | Sept 2020 |
| *Galaxy Crawl, University of Arizona | July 2020 |
| *UC Davis Cosmology Seminar | March 2020 |
| CASA/JILA Lunch Seminar, Boulder CO | Feb 2020 |

Conference Presentations (* invited)

| | |
|--|--------------|
| *Dancing in the Dark: When Galaxies Shape Galaxies; Sesto IT | June 2025 |
| *Big Galaxies, Big Problems; Lorentz Center, Leiden, Netherlands | Apr 2025 |
| Extreme Galaxies in their Extreme Environments at Extremely Early Epochs, Reykjavik, Iceland | May 2024 |
| The Physics and Impact of Astrophysical Dust, Aspen CO | March 2024 |
| *Hubble Symposium, Boston MA | Sep 2023 |
| Revealing the Detailed Astrophysics of Early Galaxies with JWST, Aspen CO | Aug-Sep 2023 |
| * Plenary on early JWST discoveries, Phenomenology Symposium, Pittsburgh PA | May 2023 |
| *The Growth of Galaxies in the Early Universe VII, Sesto IT | March 2023 |
| *First Light at Cosmic Dawn: Exploiting the James Webb Space Telescope Revolution, Bern CH | Jan 2023 |
| *An In-Situ View of Galaxy Formation 2, Schloss Ringberg | July 2022 |
| * Review , European Astronomical Society Annual Meeting: SS4, The Main Sequence of Star Formation | July 2022 |
| Public Summit of the Action Collaborative on Preventing Sexual Harassment in Higher Education | Oct 2020 |
| National Academies of Sciences, Engineering, and Medicine | |
| *Where the Star Formation Ends, Lorentz Center Workshop (<i>canceled due to COVID-19</i>) | March 2020 |
| Galaxy Quenching and Transformation Throughout Cosmic Time, Aspen CO | Feb 2020 |
| *The Growth of Galaxies in the Early Universe VI, Sesto IT | Jan 2020 |
| The Art of Measuring Galaxy Physical Properties, Milano IT | Nov 2019 |
| IAU Symposium 352: Uncovering early galaxy evolution in the ALMA and JWST era | June 2019 |
| UC Santa Cruz Galaxy Workshop | Aug 2018 |

Press

- *The Atlantic*, “Astronomers were not expecting this”, <https://www.theatlantic.com/science/archive/2023/03/webb-space-telescope-discovers-galaxies-astronomy/673274/>
- Canada Public Radio interview on “As It Happens”, These red dots could change everything we think we know about how galaxies form, <https://www.cbc.ca/radio/asithappens/james-webb-distant-galaxies-1.6762078>
- *Nature*, Four Revelations from the Webb Telescope about Distant Galaxies, [nature.com/articles/d41586-022-02056-5](https://doi.org/10.1038/d41586-022-02056-5)
- NRAO Press Release, ALMA Witnesses Deadly Star-Slinging Tug-of-War Between Merging Galaxies, public.nrao.edu/news/almal-merging-galaxies-tidal-tails/
- AAS Nova, Sizing Up Galaxies at Cosmic Noon, <https://aasnova.org/2022/12/02/sizing-up-galaxies-at-cosmic-noon/>

Publications (96 total, 13 as first author, 4 student-led; [ADS](#))

As of June 2025, these works have 5995 citations with an h-index of 39. In the list below, my name is **bolded** and authors under my direct supervision are denoted with [†].

First author:

13. **Suess, K. A.**, Beverage, A. G., Kriek, M., et al., “Cold gas in a post-starburst pair at $z \sim 1.4$: major mergers as a pathway to quenching in the HeavyMetal survey,” 2025, [arXiv:2506.14361](https://arxiv.org/abs/2506.14361)

12. **Suess, K. A.**, Weaver, J. R., Price, S. H., et al., “Medium Bands, *Mega Science: A JWST/NIRCam Medium-band Imaging Survey of A2744*,” 2024, [ApJ 976 101](#)
11. **Suess, K. A.**, Williams, C. C., Robertson, B., et al., “Minor Merger Growth in Action: JWST Detects Faint Blue Companions around Massive Quiescent Galaxies at $0.5 \leq z \leq 3.0$,” 2023, [ApJL 956 L42](#)
10. **Suess, K. A.**, Bezanson, R., Nelson, E. J., et al., “Rest-frame Near-infrared Sizes of Galaxies at Cosmic Noon: Objects in JWST’s Mirror Are Smaller than They Appeared,” 2022, [ApJL 937 L33](#)
9. **Suess, K. A.**, Leja, J., Johnson, B. D., et al., “Recovering the Star Formation Histories of Recently Quenched Galaxies: The Impact of Model and Prior Choices,” 2022, [ApJ 935 146](#)
8. **Suess, K. A.**, Kriek, M., Bezanson, R., et al., “SQuIGGLE : Studying Quenching in Intermediate- z Galaxies-Gas, AnguLar Momentum, and Evolution,” 2022, [ApJ 926 89](#)
7. **Suess, K. A.**, Kriek, M., Price, S. H., & Barro, G., “Dissecting the Size-Mass and Σ -Mass Relations at $1.0 < z < 2.5$: Galaxy Mass Profiles and Color Gradients as a Function of Spectral Shape,” 2021, [ApJ 915 87](#)
6. **Suess, K. A.**, Kriek, M., Price, S. H., & Barro, G., “Color Gradients along the Quiescent Galaxy Sequence: Clues to Quenching and Structural Growth,” 2020, [ApJL 899 L26](#)
5. **Suess, K. A.**, Kriek, M., Price, S. H., & Barro, G., “Half-mass Radii of Quiescent and Star-forming Galaxies Evolve Slowly from $0 \leq z \leq 2.5$: Implications for Galaxy Assembly Histories,” 2019, [ApJL 885 L22](#)
4. **Suess, K. A.**, Kriek, M., Price, S. H., & Barro, G., “Half-mass Radii for ~ 7000 Galaxies at $1.0 \leq z \leq 2.5$: Most of the Evolution in the Mass-Size Relation Is Due to Color Gradients,” 2019, [ApJ 877 103](#)
3. **Suess, K. A.**, Bezanson, R., Spilker, J. S., et al., “Massive Quenched Galaxies at $z \sim 0.7$ Retain Large Molecular Gas Reservoirs,” 2017, [ApJL 846 L14](#)
2. **Suess, K. A.**, Darling, J., Haynes, M. P., & Giovanelli, R., “Identifying OH Imposters in the ALFALFA Neutral Hydrogen Survey,” 2016, [MNRAS 459 220-231](#)
1. **Suess, K.**, Snow, M., Viereck, R., & Machol, J., “Solar Spectral Proxy Irradiance from GOES (SSPRING): a model for solar EUV irradiance,” 2016, [Journal of Space Weather and Space Climate 6 A10](#)

Second or third author:

13. Verrico, M. E., French, K. D., **Suess, K.**, et al., “Modeling Star Formation Histories of Changing-Look AGN Host Galaxies with Prospector,” 2025, [arXiv:2506.19162](#)
12. †Lorenz, B., **Suess, K. A.**, Kriek, M., et al., “Measuring Emission Lines with JWST-MegaScience Medium-Bands: A New Window into Dust and Star Formation at Cosmic Noon,” 2025, [arXiv:2505.10632](#)
11. †Pan, R., **Suess, K. A.**, Marchesini, D., et al., “UNCOVER/MegaScience: No Evidence of Environmental Quenching in a $z \sim 2.6$ Proto-cluster,” 2025, [arXiv:2504.06334](#)
10. †Zhu, P., **Suess, K. A.**, Kriek, M., et al., “SQuIGGLE: Observational Evidence of Low Ongoing Star Formation Rates in Gas-rich Post-starburst Galaxies,” 2025, [ApJ 981 60](#)
9. Price, S. H., **Suess, K. A.**, Williams, C. C., et al., “UNCOVER: The Rest-ultraviolet to Near-infrared Multiwavelength Structures and Dust Distributions of Submillimeter-detected Galaxies in A2744,” 2025, [ApJ 980 11](#)
8. Miller, T. B., **Suess, K. A.**, Setton, D. J., et al., “JWST UNCOVERs the Optical Size - Stellar Mass Relation at $4 \leq z \leq 8$: Rapid Growth in the Sizes of Low Mass Galaxies in the First Billion Years of the Universe,” 2024, [arXiv:2412.06957](#)
7. Beverage, A. G., Kriek, M., **Suess, K. A.**, et al., “The Heavy Metal Survey: The Evolution of Stellar Metallicities, Abundance Ratios, and Ages of Massive Quiescent Galaxies since $z \sim 2$,” 2024, [ApJ 966 234](#)
6. Ji, Z., Williams, C. C., **Suess, K. A.**, et al., “JADES: Rest-frame UV-to-NIR Size Evolution of Massive Quiescent Galaxies from Redshift $z=5$ to $z=0.5$,” 2024, [arXiv:2401.00934](#)
5. †Hartley, A. I., Nelson, E. J., **Suess, K. A.**, et al., “The first quiescent galaxies in TNG300,” 2023, [MNRAS 522 3138-3144](#)
4. Nelson, E. J., **Suess, K. A.**, Bezanson, R., et al., “JWST Reveals a Population of Ultrared, Flattened Galaxies at $2 \leq z \leq 6$ Previously Missed by HST,” 2023, [ApJL 948 L18](#)

3. Spilker, J. S., **Suess, K. A.**, Setton, D. J., et al., “Star Formation Suppression by Tidal Removal of Cold Molecular Gas from an Intermediate-redshift Massive Post-starburst Galaxy,” 2022, [ApJL 936 L11](#)
2. Bezanson, R., Spilker, J. S., **Suess, K. A.**, et al., “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 $z \sim 0.6$,” 2022, [ApJ 925 153](#)
1. Setton, D. J., Bezanson, R., **Suess, K. A.**, et al., “SQuIGGLE Survey: Massive $z \sim 0.6$ Post-starburst Galaxies Exhibit Flat Age Gradients,” 2020, [ApJ 905 79](#)

Contributing author:

70. Cheng, C. M., Kriek, M., Beverage, A. G., Slob, M., Bezanson, R., Franx, M., Leja, J., Mancera Pi~na, P. E., et al., including **KAS**, “Ages and metallicities of quiescent galaxies: confronting broadband (UVJ) colours with stellar absorption lines,” 2025, [MNRAS 540 1527-1543](#)
69. Furtak, L. J., Secunda, A. R., Greene, J. E., Zitrin, A., Labb  , I., Golubchik, M., Bezanson, R., Kokorev, V., et al., including **KAS**, “Investigating photometric and spectroscopic variability in the multiply imaged little red dot A2744-QSO1,” 2025, [A&Ap 698 A227](#)
68. Slob, M., Kriek, M., de Graaff, A., Cheng, C. M., Beverage, A. G., Bezanson, R., Forster Schreiber, N. M., Lorenz, B., et al., including **KAS**, “Fast Rotators at Cosmic Noon: Stellar Kinematics for 15 Quiescent Galaxies from JWST-SUSPENSE,” 2025, [arXiv:2506.04310](#)
67. Mintz, A., Setton, D. J., Greene, J. E., Leja, J., Wang, B., Burnham, E., **Suess, K. A.**, Atek, H., et al., “Taking a Break at Cosmic Noon: Continuum-selected Low-mass Galaxies Require Long Burst Cycles,” 2025, [arXiv:2506.16510](#)
66. Treiber, H., Greene, J. E., Weaver, J. R., Miller, T. B., Furtak, L. J., Setton, D. J., Wang, B., de Graaff, A., et al., including **KAS**, “UNCOVERing the High-redshift AGN Population among Extreme UV Line Emitters,” 2025, [ApJ 984 93](#)
65. Siegel, J. C., Setton, D. J., Greene, J. E., **Suess, K. A.**, Whitaker, K. E., Bezanson, R., Leja, J., Furtak, L. J., et al., “UNCOVER: Significant Reddening in Cosmic Noon Quiescent Galaxies,” 2025, [ApJ 985 125](#)
64. Cheng, C. M., Kriek, M., Beverage, A. G., Slob, M., Bezanson, R., Franx, M., Leja, J., Pi~na, P. E. M., et al., including **KAS**, “Ages and metallicities of quiescent galaxies: confronting broadband (UVJ) colours with stellar absorption lines,” 2025, ?
63. Wang, B., de Graaff, A., Davies, R. L., Greene, J. E., Leja, J., Brammer, G. B., Goulding, A. D., Miller, T. B., et al., including **KAS**, “RUBIES: JWST/NIRSpec Confirmation of an Infrared-luminous, Broad-line Little Red Dot with an Ionized Outflow,” 2025, [ApJ 984 121](#)
62. de Graaff, A., Brammer, G., Weibel, A., Lewis, Z., Maseda, M. V., Oesch, P. A., Bezanson, R., Boogaard, L. A., et al., including **KAS**, “RUBIES: A complete census of the bright and red distant Universe with JWST/NIRSpec,” 2025, [A&Ap 697 A189](#)
61. Weibel, A., de Graaff, A., Setton, D. J., Miller, T. B., Oesch, P. A., Brammer, G., Lagos, C. D. P., Whitaker, K. E., et al., including **KAS**, “RUBIES Reveals a Massive Quiescent Galaxy at $z = 7.3$,” 2025, [ApJ 983 11](#)
60. Cooper, O. R., Brammer, G., Heintz, K. E., Toft, S., Casey, C. M., Setton, D. J., de Graaff, A., Boogaard, L., et al., including **KAS**, “RUBIES: JWST/NIRSpec Resolves Evolutionary Phases of Dusty Star-forming Galaxies at $z \sim 2$,” 2025, [ApJ 982 125](#)
59. Wang, B., Leja, J., Atek, H., Bezanson, R., Burnham, E., Dayal, P., Feldmann, R., Greene, J. E., et al., including **KAS**, “Population Models for Star Formation Timescales in Early Galaxies: The First Step Towards Solving Outshining in Star Formation History Inference,” 2025, [arXiv:2504.15255](#)
58. Cutler, S. E., Weaver, J. R., Whitaker, K. E., Greene, J. E., Setton, D. J., Webb, Z. J., Abdullah, A., Medrano, A., et al., including **KAS**, “The Structure and Formation Histories of Low-Mass Quiescent Galaxies in the Abell 2744 Cluster Environment,” 2025, [arXiv:2504.10572](#)
57. Price, S. H., Bezanson, R., Labbe, I., Furtak, L. J., de Graaff, A., Greene, J. E., Kokorev, V., Setton, D. J., et al., including **KAS**, “The UNCOVER Survey: First Release of Ultradeep JWST/NIRSpec PRISM Spectra for ~ 700 Galaxies from $z \sim 0.3-13$ in A2744,” 2025, [ApJ 982 51](#)
56. Setton, D. J., Greene, J. E., Spilker, J. S., Williams, C. C., Labbe, I., Ma, Y., Wang, B., Whitaker, K. E., et al., including **KAS**, “A confirmed deficit of hot and cold dust emission in the most luminous Little Red Dots,” 2025, [arXiv:2503.02059](#)

55. Beverage, A. G., Slob, M., Kriek, M., Conroy, C., Barro, G., Bezanson, R., Brammer, G., Cheng, C. M., et al., including **KAS**, “*Carbon and Iron Deficiencies in Quiescent Galaxies at $z = 1-3$ from JWST-SUSPENSE: Implications for the Formation Histories of Massive Galaxies*,” 2025, [ApJ 979 249](#)
54. de Graaff, A., Setton, D. J., Brammer, G., Cutler, S., **Suess, K. A.**, Labb  , I., Leja, J., Weibel, A., et al., “*Efficient formation of a massive quiescent galaxy at redshift 4.9*,” 2025, [Nature Astronomy 9 280-292](#)
53. Baker, W. M., Tacchella, S., Johnson, B. D., Nelson, E., **Suess, K. A.**, D’Eugenio, F., Curti, M., de Graaff, A., et al., “*A core in a star-forming disc as evidence of inside-out growth in the early Universe*,” 2025, [Nature Astronomy 9 141-154](#)
52. Whitaker, K. E., Cutler, S. E., Chandar, R., Pan, R., Setton, D. J., Furtak, L. J., Bezanson, R., Labb  , I., et al., including **KAS**, “*Discovery of Ancient Globular Cluster Candidates in The Relic, a Quiescent Galaxy at $z=2.5$* ,” 2025, [arXiv:2501.07627](#)
51. Fujimoto, S., Naidu, R. P., Chisholm, J., Atek, H., Endsley, R., Kokorev, V., Furtak, L. J., Pan, R., et al., including **KAS**, “*GLIMPSE: An ultra-faint $\sim 10^5 M_{\odot}$ Pop III Galaxy Candidate and First Constraints on the Pop III UV Luminosity Function at $z \sim 6 - 7$* ,” 2025, [arXiv:2501.11678](#)
50. Labbe, I., Greene, J. E., Bezanson, R., Fujimoto, S., Furtak, L. J., Goulding, A. D., Matthee, J., Naidu, R. P., et al., including **KAS**, “*UNCOVER: Candidate Red Active Galactic Nuclei at $3 < z < 7$ with JWST and ALMA*,” 2025, [ApJ 978 92](#)
49. Nelson, E., Brammer, G., Gim  nez-Arteaga, C., Oesch, P. A., Naidu, R. P.,   bler, H., Matharu, J., Shapley, A. E., et al., including **KAS**, “*Ionized Gas Kinematics with FRESCO: An Extended, Massive, Rapidly Rotating Galaxy at $z = 5.4$* ,” 2024, [ApJL 976 L27](#)
48. Labbe, I., Greene, J. E., Matthee, J., Treiber, H., Kokorev, V., Miller, T. B., Kramarenko, I., Setton, D. J., et al., including **KAS**, “*An unambiguous AGN and a Balmer break in an Ultraluminous Little Red Dot at $z=4.47$ from Ultradeep UNCOVER and All the Little Things Spectroscopy*,” 2024, [arXiv:2412.04557](#)
47. Zhang, Y., Setton, D. J., Price, S. H., Bezanson, R., Khullar, G., Newman, J. A., Aguilar, J. N., Ahlen, S., et al., including **KAS**, “*DESI Massive Poststarburst Galaxies at $z \sim 1.2$ Have Compact Structures and Dense Cores*,” 2024, [ApJ 976 36](#)
46. Lorenz, B., Kriek, M., Shapley, A. E., Sanders, R. L., Coil, A. L., Leja, J., Mobasher, B., Nelson, E., et al., including **KAS**, “*Stacking and Analyzing MOSDEF Galaxies by Spectral Types: Implications for Dust Geometry and Galaxy Evolution*,” 2024, [ApJ 975 187](#)
45. Alberts, S., Williams, C. C., Helton, J. M., **Suess, K. A.**, Ji, Z., Shiva  i, I., Lyu, J., Rieke, G., et al., “*To High Redshift and Low Mass: Exploring the Emergence of Quenched Galaxies and Their Environments at $3 < z < 6$ in the Ultra-deep JADES MIRI F770W Parallel*,” 2024, [ApJ 975 85](#)
44. Setton, D. J., Greene, J. E., de Graaff, A., Ma, Y., Leja, J., Matthee, J., Bezanson, R., Boogaard, L. A., et al., including **KAS**, “*Little Red Dots at an Inflection Point: Ubiquitous ‘V-Shaped’ Turnover Consistently Occurs at the Balmer Limit*,” 2024, [arXiv:2411.03424](#)
43. Benton, C. E., Nelson, E. J., Miller, T. B., Bezanson, R., Gibson, J., Hartley, A. I., Martorano, M., Price, S. H., et al., including **KAS**, “*JWST Reveals Bulge-dominated Star-forming Galaxies at Cosmic Noon*,” 2024, [ApJL 974 L28](#)
42. Setton, D. J., Khullar, G., Miller, T. B., Bezanson, R., Greene, J. E., **Suess, K. A.**, Whitaker, K. E., Antwi-Danso, J., et al., “*UNCOVER NIRSpec/PRISM Spectroscopy Unveils Evidence of Early Core Formation in a Massive, Centrally Dusty Quiescent Galaxy at $z_{\text{spec}} = 3.97$* ,” 2024, [ApJ 974 145](#)
41. Gibson, J. L., Nelson, E., Williams, C. C., Price, S. H., Whitaker, K. E., **Suess, K. A.**, de Graaff, A., Johnson, B. D., et al., “*JADES Ultrared Flattened Objects: Morphologies and Spatial Gradients in Color and Stellar Populations*,” 2024, [ApJ 974 48](#)
40. Slob, M., Kriek, M., Beverage, A. G., **Suess, K. A.**, Barro, G., Bezanson, R., Brammer, G., Cheng, C. M., et al., “*The JWST-SUSPENSE Ultradeep Spectroscopic Program: Survey Overview and Star Formation Histories of Quiescent Galaxies at $1 < z < 3$* ,” 2024, [ApJ 973 131](#)
39. Naidu, R. P., Matthee, J., Kramarenko, I., Weibel, A., Brammer, G., Oesch, P. A., Lechner, P., Furtak, L. J., et al., including **KAS**, “*All the Little Things in Abell 2744: >1000 Gravitationally Lensed Dwarf Galaxies at $z = 0 - 9$ from JWST NIRCam Grism Spectroscopy*,” 2024, [arXiv:2410.01874](#)

38. Ji, Z., Williams, C. C., Tacchella, S., **Suess, K. A.**, Baker, W. M., Alberts, S., Bunker, A. J., Johnson, B. D., et al., “*JADES + JEMS: A Detailed Look at the Buildup of Central Stellar Cores and Suppression of Star Formation in Galaxies at Redshifts $3 < z < 4.5$* ,” 2024, [ApJ 974 135](#)
37. Clausen, M., Whitaker, K. E., Momcheva, I., Cutler, S. E., **Suess, K. A.**, Weaver, J. R., Miller, T., van der Wel, A., et al., “*3D-DASH: The Evolution of Size, Shape, and Intrinsic Scatter in Populations of Young and Old Quiescent Galaxies at $0.5 < z < 3$* ,” 2024, [ApJ 971 99](#)
36. Cheng, C. M., Kriek, M., Beverage, A. G., van der Wel, A., Bezanson, R., D’Eugenio, F., Franx, M., Mancera Pi~na, P. E., et al., including **KAS**, “*Age and metal gradients in massive quiescent galaxies at $0.6 \leq z \leq 1.0$: implications for quenching and assembly histories*,” 2024, [MNRAS 532 3604-3623](#)
35. Wang, B., Leja, J., de Graaff, A., Brammer, G. B., Weibel, A., van Dokkum, P., Baggen, J. F. W., **Suess, K. A.**, et al., “*RUBIES: Evolved Stellar Populations with Extended Formation Histories at $z \sim 7-8$ in Candidate Massive Galaxies Identified with JWST/NIRSpec*,” 2024, [ApJL 969 L13](#)
34. Cutler, S. E., Whitaker, K. E., Weaver, J. R., Wang, B., Pan, R., Bezanson, R., Furtak, L. J., Labbe, I., et al., including **KAS**, “*Two Distinct Classes of Quiescent Galaxies at Cosmic Noon Revealed by JWST PRIMER and UNCOVER*,” 2024, [ApJL 967 L23](#)
33. Williams, C. C., Alberts, S., Ji, Z., Hainline, K. N., Lyu, J., Rieke, G., Endsley, R., **Suess, K. A.**, et al., “*The Galaxies Missed by Hubble and ALMA: The Contribution of Extremely Red Galaxies to the Cosmic Census at $3 < z < 8$* ,” 2024, [ApJ 968 34](#)
32. Kriek, M., Beverage, A. G., Price, S. H., **Suess, K. A.**, Barro, G., Bezanson, R. S., Conroy, C., Cutler, S. E., et al., “*The Heavy Metal Survey: Star Formation Constraints and Dynamical Masses of 21 Massive Quiescent Galaxies at $z = 1.3-2.3$* ,” 2024, [ApJ 966 36](#)
31. Looser, T. J., D’Eugenio, F., Maiolino, R., Witstok, J., Sandles, L., Curtis-Lake, E., Chevallard, J., Tacchella, S., et al., including **KAS**, “*A recently quenched galaxy 700 million years after the Big Bang*,” 2024, [Nature 629 53-57](#)
30. de Graaff, A., Rix, H.-W., Carniani, S., **Suess, K. A.**, Charlot, S., Curtis-Lake, E., Arribas, S., Baker, W. M., et al., “*Ionised gas kinematics and dynamical masses of $z \geq 6$ galaxies from JADES/NIRSpec high-resolution spectroscopy*,” 2024, [A&Ap 684 A87](#)
29. Kado-Fong, E., Robinson, A., Nyland, K., Greene, J. E., **Suess, K. A.**, Stierwalt, S., & Beaton, R., “*Dwarf-Dwarf Interactions Can Both Trigger and Quench Star Formation*,” 2024, [ApJ 963 37](#)
28. Wang, B., Leja, J., Atek, H., Labb  , I., Li, Y., Bezanson, R., Brammer, G., Cutler, S. E., et al., including **KAS**, “*Quantifying the Effects of Known Unknowns on Inferred High-redshift Galaxy Properties: Burstiness, IMF, and Nebular Physics*,” 2024, [ApJ 963 74](#)
27. Wright, L., Whitaker, K. E., Weaver, J. R., Cutler, S. E., Wang, B., Carnall, A., **Suess, K. A.**, Bezanson, R., et al., “*Remarkably Compact Quiescent Candidates at $3 < z < 5$ in JWST-CEERS*,” 2024, [ApJL 964 L10](#)
26. Hainline, K. N., Johnson, B. D., Robertson, B., Tacchella, S., Helton, J. M., Sun, F., Eisenstein, D. J., Simmonds, C., et al., including **KAS**, “*The Cosmos in Its Infancy: JADES Galaxy Candidates at $z \gtrsim 8$ in GOODS-S and GOODS-N*,” 2024, [ApJ 964 71](#)
25. Atek, H., Labb  , I., Furtak, L. J., Chemerynska, I., Fujimoto, S., Setton, D. J., Miller, T. B., Oesch, P., et al., including **KAS**, “*Most of the photons that reionized the Universe came from dwarf galaxies*,” 2024, [Nature 626 975-978](#)
24. Wang, B., Leja, J., Labb  , I., Bezanson, R., Whitaker, K. E., Brammer, G., Furtak, L. J., Weaver, J. R., et al., including **KAS**, “*The UNCOVER Survey: A First-look HST+JWST Catalog of Galaxy Redshifts and Stellar Population Properties Spanning $0.2 \leq z \leq 15$* ,” 2024, [ApJS 270 12](#)
23. Martorano, M., van der Wel, A., Bell, E. F., Franx, M., Whitaker, K. E., Nersesian, A., Price, S. H., Baes, M., et al., including **KAS**, “*Rest-frame Near-infrared Radial Light Profiles up to $z = 3$ from JWST/NIRCam: Wavelength Dependence of the Sérsic Index*,” 2023, [ApJ 957 46](#)
22. Rieke, M. J., Robertson, B., Tacchella, S., Hainline, K., Johnson, B. D., Hausen, R., Ji, Z., Willmer, C. N. A., et al., including **KAS**, “*JADES Initial Data Release for the Hubble Ultra Deep Field: Revealing the Faint Infrared Sky with Deep JWST NIRCam Imaging*,” 2023, [ApJS 269 16](#)
21. Williams, C. C., Tacchella, S., Maseda, M. V., Robertson, B. E., Johnson, B. D., Willott, C. J., Eisenstein, D. J., Willmer, C. N. A., et al., including **KAS**, “*JEMS: A Deep Medium-band Imaging Survey in the Hubble Ultra Deep Field with JWST NIRCam and NIRISS*,” 2023, [ApJS 268 64](#)

20. Mathews, E. P., Leja, J., Speagle, J. S., Johnson, B. D., Gibson, J., Nelson, E. J., Suess, K. A., Tacchella, S., et al., “As Simple as Possible but No Simpler: Optimizing the Performance of Neural Net Emulators for Galaxy SED Fitting,” 2023, [ApJ 954 132](#)
 19. Baggen, J. F. W., van Dokkum, P., Labb  , I., Brammer, G., Miller, T. B., Bezanson, R., Leja, J., Wang, B., et al., including KAS, “Sizes and Mass Profiles of Candidate Massive Galaxies Discovered by JWST at $7 < z < 9$: Evidence for Very Early Formation of the Central 100 pc of Present-day Ellipticals,” 2023, [ApJL 955 L12](#)
 18. Wu, P.-F., Bezanson, R., D’Eugenio, F., Gallazzi, A. R., Greene, J. E., Maseda, M. V., Suess, K. A., & van der Wel, A., “Stars, Gas, and Star Formation of Distant Post-starburst Galaxies,” 2023, [ApJ 955 75](#)
 17. Bunker, A. J., Saxena, A., Cameron, A. J., Willott, C. J., Curtis-Lake, E., Jakobsen, P., Carniani, S., Smit, R., et al., including KAS, “JADES NIRSpec Spectroscopy of GN-z11: Lyman-   emission and possible enhanced nitrogen abundance in a $z = 10.60$ luminous galaxy,” 2023, [A&Ap 677 A88](#)
 16. Furtak, L. J., Zitrin, A., Plat, A., Fujimoto, S., Wang, B., Nelson, E. J., Labb  , I., Bezanson, R., et al., including KAS, “JWST UNCOVER: Extremely Red and Compact Object at $z_{phot} \sim 7.6$ Triply Imaged by A2744,” 2023, [ApJ 952 142](#)
 15. Furtak, L. J., Mainali, R., Zitrin, A., Plat, A., Fujimoto, S., Donahue, M., Nelson, E. J., Bauer, F. E., et al., including KAS, “A variable active galactic nucleus at $z = 2.06$ triply-imaged by the galaxy cluster MACS J0035.4-2015,” 2023, [MNRAS 522 5142-5151](#)
 14. Tacchella, S., Eisenstein, D. J., Hainline, K., Johnson, B. D., Baker, W. M., Helton, J. M., Robertson, B., Suess, K. A., et al., “JADES Imaging of GN-z11: Revealing the Morphology and Environment of a Luminous Galaxy 430 Myr after the Big Bang,” 2023, [ApJ 952 74](#)
 13. Tacchella, S., Johnson, B. D., Robertson, B. E., Carniani, S., D’Eugenio, F., Kumari, N., Maiolino, R., Nelson, E. J., et al., including KAS, “JWST NIRCam + NIRSpec: interstellar medium and stellar populations of young galaxies with rising star formation and evolving gas reservoirs,” 2023, [MNRAS 522 6236-6249](#)
 12. Eisenstein, D. J., Willott, C., Alberts, S., Arribas, S., Bonaventura, N., Bunker, A. J., Cameron, A. J., Carniani, S., et al., including KAS, “Overview of the JWST Advanced Deep Extragalactic Survey (JADES),” 2023, [arXiv:2306.02465](#)
 11. Verrico, M. E., Setton, D. J., Bezanson, R., Greene, J. E., Suess, K. A., Goulding, A. D., Spilker, J. S., Kriek, M., et al., “Merger Signatures are Common, but not Universal, in Massive, Recently Quenched Galaxies at $z \approx 0.7$,” 2023, [ApJ 949 5](#)
 10. Gim  nez-Arteaga, C., Oesch, P. A., Brammer, G. B., Valentino, F., Mason, C. A., Weibel, A., Barrufet, L., Fujimoto, S., et al., including KAS, “Spatially Resolved Properties of Galaxies at $5 < z < 9$ in the SMACS 0723 JWST ERO Field,” 2023, [ApJ 948 126](#)
 9. Curtis-Lake, E., Carniani, S., Cameron, A., Charlot, S., Jakobsen, P., Maiolino, R., Bunker, A., Witstok, J., et al., including KAS, “Spectroscopic confirmation of four metal-poor galaxies at $z = 10.3-13.2$,” 2023, [Nature Astronomy 7 622-632](#)
 8. Robertson, B. E., Tacchella, S., Johnson, B. D., Hainline, K., Whitler, L., Eisenstein, D. J., Endsley, R., Rieke, M., et al., including KAS, “Identification and properties of intense star-forming galaxies at redshifts $z \gtrsim 10$,” 2023, [Nature Astronomy 7 611-621](#)
 7. Labb  , I., van Dokkum, P., Nelson, E., Bezanson, R., Suess, K. A., Leja, J., Brammer, G., Whitaker, K., et al., “A population of red candidate massive galaxies 600 Myr after the Big Bang,” 2023, [Nature 616 266-269](#)
 6. Miller, T. B., Whitaker, K. E., Nelson, E. J., van Dokkum, P., Bezanson, R., Brammer, G., Heintz, K. E., Leja, J., et al., including KAS, “Early JWST Imaging Reveals Strong Optical and NIR Color Gradients in Galaxies at $z \gtrsim 2$ Driven Mostly by Dust,” 2022, [ApJL 941 L37](#)
 5. Naidu, R. P., Oesch, P. A., van Dokkum, P., Nelson, E. J., Suess, K. A., Brammer, G., Whitaker, K. E., Illingworth, G., et al., “Two Remarkably Luminous Galaxy Candidates at $z \approx 10-12$ Revealed by JWST,” 2022, [ApJL 940 L14](#)
 4. Setton, D. J., Verrico, M., Bezanson, R., Greene, J. E., Suess, K. A., Goulding, A. D., Spilker, J. S., Kriek, M., et al., “The Compact Structures of Massive $z \sim 0.7$ Post-starburst Galaxies in the SQuIGGLE Sample,” 2022, [ApJ 931 51](#)

3. Greene, J. E., Setton, D., Bezanson, R., **Suess, K. A.**, Kriek, M., Spilker, J. S., Goulding, A. D., & Feldmann, R., “*The Role of Active Galactic Nuclei in the Quenching of Massive Galaxies in the SQuIGGLE Survey*,” 2020, [ApJL 899 L9](#)
2. Kriek, M., Price, S. H., Conroy, C., **Suess, K. A.**, Mowla, L., Pasha, I., Bezanson, R., van Dokkum, P., et al., “*Stellar Metallicities and Elemental Abundance Ratios of $z \sim 1.4$ Massive Quiescent Galaxies*,” 2019, [ApJL 880 L31](#)
1. Hunt, Q., Bezanson, R., Greene, J. E., Spilker, J. S., **Suess, K. A.**, Kriek, M., Narayanan, D., Feldmann, R., et al., “*Stellar and Molecular Gas Rotation in a Recently Quenched Massive Galaxy at $z \sim 0.7$* ,” 2018, [ApJL 860 L18](#)