DR. RACHEL BEZANSON

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(US Citizen)

observational galaxy formation and evolution through cosmic time

EDUCATION

Yale University, New Haven, Connecticut 2007-2013
M.Phil., M.S., Ph.D. - Astronomy
Thesis Title: *Ten Billion Years of Growth: Massive Galaxy Evolution from Structures and Dynamics*
Advisor: Dr. Pieter van Dokkum

Barnard College, Columbia University, New York, New York 1999-2003
B.A. - Astrophysics
summa cum laude, Phi Beta Kappa, Dean's List all years
Department Honors & Distinction on Senior Research Requirement

EMPLOYMENT

Associate Professor, University of Pittsburgh, Pittsburgh, PA 2022 - present

Assistant Professor, University of Pittsburgh, Pittsburgh, PA 2017-2022

H.N. Russell Fellow, Princeton University, Princeton, NJ 2016-2017

Hubble Fellow, Steward Observatory, Tucson, AZ 2013-2016

Physics and Astronomy Teacher, Poly Prep Country Day School, Brooklyn, NY 2003-2007

HONORS, AWARDS, AND FELLOWSHIPS

Kavli Plenary Lecture, American Astronomical Society 244th Meeting, June 2024
Dietrich School Award for Excellence in Graduate Mentoring, April 2021
Cottrell Scholar Award, Research Corporation for Scientific Advancement, 2021
Physics and Astronomy Dept. Inclusive Mentorship Award, University of Pittsburgh, (inaugural award) 2020
https://www.physicsandastronomy.pitt.edu/news/department-physics-and-astronomy-inclusive-mentorship-award
H.N. Russell Fellowship, Department of Astrophysical Sciences, Princeton University, 2016-2017
Dirk Brouwer Memorial Prize, https://astronomy.yale.edu/prizes, Yale University, 2016
Hubble Fellowship, Steward Observatory, University of Arizona, 2013-2016
summa cum laude, Barnard College, Columbia University, 2003
Phi Beta Kappa, Barnard College, Columbia University, 2003

GRANTS (TOTAL $2.95M)

- (01/2024-12/31/2025), **Admin-PI, co-PI Khullar**, JWST GO Award 4125, $131k,
"Galaxies Under Construction: Resolved Scaling Relations and Stellar Mass Assembly as Revealed by Lensed Star-Forming Clumps at Cosmic Noon"
- (2023, dates pending), **PI**, Cottrell Scholars Collaborative Award, $25k,
"CONTOUR-A: Cross-Organizational Network for Tools to Optimize Undergraduate Research in Astronomy"
- (01/01/2023 - 12/31/2025), **PI**, HST GO Award #17110, $203k,
"Post-starbursts from DESI: Timing quenching and morphological transformation at $1 < z < 1.3$"
- (09/01/2022 - 08/31/2027), **PI**, NSF CAREER Award #012764, $845k,
"CAREER: Studying Galaxies Across Human and Cosmic History"

- (05/2022 - 04/30/2025), **PI**, STScI/JWST-GO Proposal #02561, $797k total ($267k Pitt),
  "UNCOVER: Ultra-deep NIRCam and NIRSpec Observations Before the Epoch of Reionization"
- (01/2022 - 09/2023), **PI**, NRAO Student Observing Support, $34.9k
  "Tracing the molecular gas in tidal tails of recently quenched galaxies"
- (07/01/2021 - 06/30/2024), **PI**, Cottrell Scholar Award, Research Corporation for Scientific Advancement, $100k
  "Building Bridges in the Steel City: Leveraging the Nearby to Follow Galaxies Across Cosmic Time"
- (02/2020), **PI**, North American ALMA Science Center (NAASC), $12k
  Grant to support junior participation at Aspen Center for Physics Conference
- (09/2019–08/2021) **PI**, Kaufman Foundation New Investigator Grant, $150k
  "Dancing of the Stars: Testing the Formation of the Largest Elliptical Galaxies"
- (09/01/2019 - 08/31/2022) **PI**, NSF-AAG #1907697, $308.5k Pitt ($563.5k total)
  "Collaborative Research: The Last Gasp - shutting down massive galaxies at z$\sim$0.6
- (2018-2021) **Co-I**, HST-GO-15436.006, $11.2k
  "Understanding the Origin of Large Gas Reservoirs in Recently-Quenched Galaxies?
  PI: Mariska Kriek (Berkeley)
- (07/01/2018 - 06/30/2019) **PI**, NRAO Student Observing Support, $14.2k
  "How universal are surprisingly significant molecular gas reservoirs in massive post- starburst galaxies at z$\sim$0.6?"
- **NASA PA Space Grant Consortium Scholarships to support undergraduate research** (Total $64.5k):
  Summer 2018, Fall 2018, Spring 2019, Fall 2019 (J. Cole), Summer 2019, Fall 2019,Fall 2020, Spring 2021, (L. Taylor), Summer 2019, Fall 2019 (E. Krofcheck), Fall 2019, Fall 2020, Spring 2021, Fall 2021, Spring 2022 (Z. Lewis), Summer 2020, Fall 2020, Spring 2021, (M. Verrico), Summer 2021, Fall 2021, Spring 2022 (K. Mack), Summer 2022, Fall 2022, Spring 2023, Fall 2023 (A. Kumar), Summer 2022, Spring 2023, Summer 2023, Fall 2023 (C. Steel), Fall 2022, Spring 2023, Summer 2023, Fall 2023 (E. Stumbaugh), Fall 2022, Spring 2023 (M. Iacocca), Summer 2023, Fall 2023 (A. Kumaran)

CONFERENCES AND TALKS

Invited Review Talks:

- Lorentz Center, Galaxy Dynamics, *Invited Review*, February 2020
- Galaxy Scaling Relations Conference, Kingston, *Invited Review*, July 2018
- Deconstructing Galaxies at Cosmic Noon Workshop, Lorentz Center, *Invited Review/discussion*, July 2016

Other Invited Conference Talks:

- Kavli Plenary Lecture, 244th AAS Meeting, Madison, June 2024
- Ringberg In-Situ Galaxy Formation Workshop, *Invited Talk*, Germany, July 2022
- 42nd Annual Central PA Consortium Astronomer's meeting, Keynote Speaker, April 2022
- Spatially Resolved Spectroscopy with Extremely Large Telescopes Conference, Oxford, *Invited Talk*, September 2021
- Multi-object Spectroscopy for Statistical Measures of Galaxy Evolution, STSci Workshop, *Invited Talk*, May 2021
- Ringberg, ASPECS team meeting, *Invited Talk*, November 2019
- Lorentz Center, Springboard to JWST Meeting, *Invited Talk*, October 2019
- AAS (summer): WFIRST meeting-within-a-meeting session, *Invited Talk*, July 2019
- AAS (winter): US-ELT Key Science Program, *Invited Talk*, January 2019
- WFIRST/LSST Workshop, *Invited Talk*, August 2018
- CIERA Fellows at the Frontiers, *Invited Talk*, September 2016
- 3D-HST conference, *Invited Talk*, November 2015
- Galaxies Insight-Out Conference, Leiden, *Invited Talk*, July 2012

Invited Department Seminars/Colloquia

- Physics and Astronomy Colloquium, Pitt, *Invited Talk*, October 2023
- KIPAC Colloquium, Stanford, *Invited talk*, May 2023
- Physics Colloquium, Syracuse, *Invited talk*, April 2023

- Astronomy Colloquium, UMass-Amherst, *Invited talk*, April 2023
- Schopp Memorial Lecture, SDSU, *Invited Talk*, February 2023
- Kenyon College Colloquium, *Invited Talk*, February 2022
- Texas A&M Astronomy Seminar, *Invited Talk*, February 2022
- Northwestern Colloquium, *Invited Talk*, March 2021
- INAF - Arcetri Colloquium, *Invited Talk*, December 2020
- UCLA, Astronomy Colloquium, *Invited Talk*, October 2020
- Galread Seminar, Princeton, *Invited Talk*, August 2020
- The Ohio State University, Astronomy Dept. Colloquium, *Invited Talk*, November 2019
- DAWN Center, Copenhagen, Cake Talk, *Invited Talk*, October 2019
- NYU-Abu Dhabi, Physics Seminar, *Invited Talk*, October 2019
- San Francisco State Physics Colloquium, *Invited Talk*, October 2019
- UPenn Astronomy Seminar, *Invited Talk*, September 2019
- PSU Astronomy Colloquium, *Invited Talk*, September 2019
- NYU Astronomy Seminar, *Invited Talk*, September 2019
- Harvard ITC, Battlestar Galactica Seminar, *Invited Talk*, April 2019
- CWRU Astronomy Colloquium, *Invited Talk*, November 2018
- CIERA Seminar, *Invited Talk*, October 2018
- Tufts Colloquium, *Invited Talk*, September 2018
- Caltech Astronomy Colloquium, *Invited Talk*, March 2018
- Princeton Galread Seminar, March 2018
- Case Western Reserve Physics Seminar, *Invited Talk*, October 2017
- Princeton Dept. of Astrophysics Advisory Council Meeting, *Invited Talk*, May 2017
- U Illinois - UC Colloquium, *Invited Talk*, Illinois, February 2017
- Princeton/IAS Colloquium, *Invited Talk*, February 2017
- UMass-Amherst Colloquium, *Invited Talk*, April 2016
- UC-San Diego CASS Seminar, *Invited Talk*, October 2015
- Steward Observatory/NOAO colloquium, *Invited Talk*, April 2015
- Astronomy Colloquium, University of Washington, *Invited Talk*, October 2014
- Bash Symposium, UT-Austin, *Invited Talk*, October 2013
- Astronomy Seminar, Texas A&M, *Invited Talk*, September 2013
- Berkeley Cosmology Seminar and Galform Talks, U.C.-Berkeley,*Invited Talk*, October 2012

Contributed Conference/Dept Seminar Presentations

- The growth of galaxies in the Early Universe - VIII, Sesto, *Discussion leader*, March 2023
- STScI JWST First Results Meeting, contributed talk, Dec. 2022
- Aspen Center for Physics “Galaxy Quenching” Meeting, *Primary organizer and talk*, February 2020
- IAU Symposium: Dynamics in the Era of Large Surveys, Shanghai, contributed talk, July 2019
- IAU Symposium: Uncovering Early Galaxy Evolution, Portugal, contributed talk, June 2019
- HSC Seminar, Princeton, September 2016
- Galread Seminar, Princeton, September 2016
- Massive Beasts of the Cosmos Conference, Kruger Park, contributed talk, July 2016
- What Shapes Galaxies? Conference, STScI, contributed talk, April 2016
- PITTPACC LSST Photo-z Workshop, contributed talk, April 2016
- Hubble Fellow Symposium, contributed talk, March 2016
- Hubble Fellow Symposium, contributed talk, March 2015
- The Most Massive Galaxies and Their Precursors, contributed talk, February 2015
- Open University Seminar, Milton Keynes, UK, October 2014
- Galaxy Masses as Constraints of Formation Models, Oxford, contributed talk, July 2014
- Hubble Fellow Symposium, contributed talk, March 2014
- Unveiling the Formation of Massive Galaxies, Aspen, contributed talk, February 2014
- Extragalactic Seminar, UT-Austin, October 2013
- NOAO FLASH Talk, NOAO, September 2013
- Dissertation Talk, AAS-Long Beach, September 2013
- OIR Seminar, CfA, December 2012

- Journal Club Talk, U.C.L.A., October 2012
- Caltech Tea Talk, California Institute of Technology, October 2012
- FLASH talk, U.C.-Santa Cruz, October 2012
- IAU Intriguing Lives of Massive Galaxies Session, Beijing, poster presentation, August 2012
- Galaxy Formation Conference, Durham, poster presentation, July 2011
- Deep IR studies of the Distant Universe Meeting, Leiden, contributed talk, February 2009
- Evolution of Galaxies from Mass-Selected Samples, Leiden, contributed talk, November 2009

ADDITIONAL EXPERIENCE

Observing

JWST: *Cycle 1*: co-PI JWST-GO-2561 (UNCOVER), co-I: JWST-GO-2514 (PANORAMIC), JWST-GO-2110, *Cycle 2*: co-I JWST-GO-4233 (RUBIES), JWST-GO-4196, JWST-GO-4196 (LEGGOS), JWST-GO-4111 (UNCOVER-MEGASCIENCE), JWST-GO-4160, JWST-GO-3516, JWST-GO-3293, JWST-GO-2969
HST: 13 orbits (HST-GO-12167), REQUIEM Survey Co-I (HST-GO-15663) 3D-DASH Co-I, HST-GO-16201 Co-I. HST-GO-16248 Co-I, 3D-DASH (HST-GO-16259) Co-I , HST-SNAP-17110 Co-I (Admin PI) 409 orbits
VLT – VIMOS: many nights observing for LEGA-C survey (total allocation: ∼128 nights)
VLA: 30 hours in 2015B (PI J. Spilker, graduate student at UA)
ALMA: (as PI or with student PI:) Cycle 3: 2.7 hours, Cycle 4: 7.7 hours, Cycle 5: 27.8 hours, Cycle 8: 69.1 hours
Gemini - GMOS N/S: (as PI:) ∼ 52 hours
MMT – Hectospec: 9 nights, **MMIRS:** 2 nights, **Red Channel Spectrograph:** 3 nights (all PI)
Keck – LRIS: 8 nights, **DEIMOS:** 3 nights
Blanco 4.0 meter: 15 nights imaging with NEWFIRM medium band NIR filters
SMARTS – Yale 1.0 m: 8 nights imaging

Surveys and Large Collaborations:

Newfirm Medium Band Survey (NMBS) and NMBSII
3DHST - Spectroscopic Galaxy Evolution Survey with HST
3D-DASH - DASH mode shallow grism survey with WFC3
Heavy Metal Survey, co-I (PI Kriek)
CHOMP (Colorblind Observations of Massive Progenitors) survey, *PI*

⋆ ***LEGA-C (Large Early Galaxy Astrophysics Census)***, *Survey Scientist*, http://www.mpia.de/home/legac/
⋆ ***SQUIGGLE survey***, PI, https://squigglesurvey.github.io/
⋆ ***Prime Focus Spectrograph (PFS) - SSP* GE Working group co-chair**, NEPG, *Treasurer*
⋆ ***UNCOVER JWST Cycle 1 Treasury program***, co-PI/US Admin PI

Service:

Graduate Student Mentoring Committee, founding co-chair (2019+)
Faculty Hiring Committees at Pitt (2017-2018, 2018-2019)
Equity and Inclusion Committee Member (2017+) and APS Bridge Lead (2018+)
Allegheny Observatory Committee (2017+)
Graduate Reform Committee, (2021+)
PITTPACC Executive Committee (2022+)
Graduate student thesis committees:

∗ University of Pittsburgh: R. Caddy, T. Court, B. Dey, C. Fielder, B. Flores, L. Gonzalez, J. Hand, Y. Kaushal, A. Khederlarian, C. McLeod, Mucci, A., Purkayastha, A. Pearl, T. Reza, H. Richie, D. Setton, O. Warren, A. Zarassi
∗ (Carnegie Mellon University) K.-W. Huang, (Max Planck Institute for Astronomy) J. van Houdt, (DAWN Institute/University of Copenhagen) M. Stockmann, (Leiden University) A. de Graaff, (UMass-Amherst) S. Cutler

AURA representative for the University of Pittsburgh (2018+)
Postdoctoral mentor and organizer for Princeton Post-baccalaureate Program (2016-2017)
Pitt Faculty Union, Natural Sciences Co-Coordinator
Referee for MNRAS, ApJ, ApJL, and A&A
Referee for Dutch Research Council (2020) and German Research Foundation (2020, 2021) grants
Referee for NPP and NESSF proposals
NSF Panels (2019,2020,2021,2023)

NASA ADAP review panel (2021)
ALMA Time Allocation Committee (2016, 2017, 2018)
NOAO Time Allocation Committee (Fall 2017, Fall 2018, Fall 2020)
HST Mid-cycle review TAC (2019), HST TAC (2022)
JWST external review TAC (2023)
Organizer, Aspen Center for Physics Meeting, "Galaxy Quenching Throughout Cosmic Time" (February 2020)
APS - Conference for Undergraduate Women in Physics (Pittsburgh, Jan. 2020) - Leadership committee
Science Advisory Committee - GMT/GMACS

TEACHING

- University of Pittsburgh:
  - Introduction to Astronomy (ASTR 0089): Spring 2021, Fall 2022 (Gen. Ed.)
  - Introduction to Astrophysics (ASTR 0113)/Honors Introduction to Astrophysics (ASTR 0413): Fall 2017, Fall 2018, Spring 2019 (Science/Majors)
  - Undergraduate Galaxies and Cosmology (ASTRON 1121): Spring 2020 (Upper Division Undergrad.)
  - Graduate Galactic and Extra-galactic Astronomy (ASTRON 3580): Spring 2020, Spring 2022
  - Graduate Introduction to Astrophysics (ASTRON 3101): Fall 2020 (developed new curriculum)

- Guest Lectures for Undergraduate and Graduate Courses, University of Arizona, 2014-2015
  - ASTR 302- Introduction to Astronomical Observation, ASTR 300A - Astronomy and Astrophysics, ASTR 540 - Structure and Dynamics of Galaxies

- Teaching Fellow, Yale University, 2007-2009
  Designed weekly discussion sessions, led homework/exam review sessions, developed supplemental and complementary curricula, grading
  - ASTR 110 - Planets and Stars, ASTR 120 - Galaxies and the Universe, ASTR 160 - Frontiers and Controversies in Astrophysics

- High School Physics & Astronomy Teacher, Poly Prep Country Day School, NY, 2003-2007
  Designed lesson plans, introduced new curriculum, prepared laboratory experiments, graded assignments, and provided individual help and mentoring
  - High School Physics, AP Physics (BC), 8th Grade Physical Science, and two Astronomy Electives

UNDERGRADUATE STUDENTS SUPERVISED

- Qiana Hunt (Princeton Post-baccalaureate student, 2016-2018, current graduate student at Michigan)
  "Spatially-resolved properties of post-starburst galaxies at $z \sim 0.6$"
- Justin Cole (Pitt undergraduate student, 2018-2020)
  "Stellar Kinematics and Environment at z$\sim$0.8 in the LEGA-C Survey: Massive Slow Rotators Are Built First in Overdense Environments" (Published in Astrophysical Journal Letters)
- Lance Taylor (Pitt undergraduate student, 2018-2021)
  "A direct measure of the Velocity Dispersion Function at $0.6 < z < 1.0$ from the LEGA-C Survey" (Published in ApJ)
- Emma Krofcheck (Pitt undergraduate student, 2019)
  "Visual classifications of post-starburst galaxies from Hyper Suprime Cam Imaging"
- Zachary Lewis (Pitt undergraduate student, 2019-2022 expected) "The evolution of the gas-phase mass metallicity relation" (Published in the Astrophysical Journal)
- Ryan Eskenasy (Penn State undergraduate student in Pitt SURF program, summer 2019)
  "Quantifying the impact of aperture effects in the Prime Focus Spectrograph Survey"
- Margaret Verrico (Pitt undergraduate student, 2020-2021)
  "Morphologies of SQUIGGLE post-starburst galaxies"
- Katherine Mack (Pitt undergraduate student, summer 2021-2022)
  "The evolution of the fundamental metallicity relation"

- Anika Kumar (Pitt undergraduate student, summer 2022-)
  "Molecular gas environments of post-starburst galaxies"
- Cecilia Steel (Pitt undergraduate student, summer 2022-)
  "UniverseMachine model star formation histories versus empirical measurements form LEGA-C" (Published as a Research Note of the AAS)
- Erin Stumbaugh (Pitt undergraduate student, fall 2022-)
  "Statistical environments of post-starburst galaxies from Subaru/HSC imaging"
- Morgana Iacocca (Pitt undergraduate student/post-baccalaureate researcher, fall 2022-)
  "Building the Aperspec simulations of MANGA galaxies at high-redshift"
- Arsh Kumaran (Pitt undergraduate student, summer 2023-)
  "Visual classification of galaxies from UNCOVER JWST imaging"

GRADUATE STUDENTS SUPERVISED

- David Setton (Pitt graduate student, 2018-2023)
  "Galaxies in Transition: Studying galaxy quenching in the SQUIGGLE survey"
- Alan Pearl (co-supervised, Pitt graduate student, 2018-2023)
  "Probing the Galaxy-Halo connection"
- Yasha Kaushal (Pitt graduate student, 2019-2024 expected)
  "Star formation histories and stellar populations in the LEGA-C spectroscopic survey"
- Anna de Graaff (co-supervised on two papers, Leiden graduate student, 2019-2023 expected)
  "Structures, Kinematics, and the Fundamental Plane in the LEGA-C survey"
- Lina Florez (Pitt graduate student, 2020-2023 Masters degree)
  "Empirical linking of galaxy properties across cosmic time"
- Yunchong Zhang (Pitt graduate student, 2023 -)
  "The structural properties of post-starburst galaxies"
- Julissa Sarmiento (Pitt graduate student, co-supervised with Dr. Gourav Khullar, 2023 -)
  "Spatially resolved stellar populations from the JWST-LEGGOS program"

POSTDOCS & STAFF SUPERVISED

- Dr. Sedona Price, PITT-PACC Langley fellow (2022-)
- Dr. Gourav Khullar, PITT-PACC Langley fellow (2022-)
- Ms. Kerry Handron, Allegheny Observatory Outreach Coordinator (March 2023 -)

OUTREACH

PI: Allegheny Observatory Outreach Program (funded by NSF-CAREER #012764 and the University of Pittsburgh Dietrich School of Arts and Sciences), 2023-

- Public School Student Visits/Afterschool Activities
- Public School Teacher Training Workshops and Science Kit Lending Library
- Art & Astronomy - connecting to Pitt Phys. & Astro. Department Artist in Residence Program

Phys. & Astro. Department Artist in Residence Program, Scientific Mentor:

- 2024, Giovanna Abucejo "with mercurial vision"
- 2023, Yasmeen Gauri "Wondrous Suspension"
- 2022, Emerson Voss "A Downward Gape into Mellifluous Structures of Light"
- 2019, Angela Velez "How to Live Like a Star"
- 2018, Rebecca Martin "Massive and Newly Dead: An Act of Translation"

Talks/Presentations/Activities:

- Astronomy on Tap - PGH, March 2024
- Astrophysicist for a Day, March 2024
- Allegheny Observatory Public Lecture, November 2023, *Peering into distant Universe with JWST: 2Fast2Furious?*
- Astrophysicist for a Day, November 2023
- Allegheny Observatory Public Lecture, November 2022, *Peering into distant Universe with the new JWST*
- Astronomy on Tap - Texas/BCS, July 2021, https://youtu.be/F7SgJwWQC4w
- Astronomy on Tap - Los Angeles, January 2021, https://youtu.be/hD9V6QwPm-U, *The Secret to Growing the Largest Galaxies*
- Two Scientists walk into a Bar, Pittsburgh, March 2019
- Cleveland Museum of Natural History, Frontiers of Astronomy Lecture (275 person audience), November 2018 – *Galaxy Cannibals: The Evolution of Massive Galaxies Through Cosmic Time*
- Astronomy on Tap - PGH, June 2018 – *The Drake Equation*
- Carnegie Science Center Public Lecture, March 2018.
- Astronomy on Tap - PGH, November 2017 – *How big is the Universe?*
- Allegheny Observatory Public Lecture, November 2017, *Galaxy Cannibals - The Evolution of Massive Galaxies Through Cosmic Time*
- UNC-Asheville Public Lecture, March 2017, *The Surprisingly Complex Lives of Massive Galaxies*
- Steward Observatory Public Lecture, March 2014, *Galactic Cannibalism: the Growth of Massive Galaxies through Cosmic Time*, podcast: https://www.as.arizona.edu/public-evening-lecture-series-podcasts
- *The Yale PhD: 150 Years of Leadership for Yale and the World*,
  Annual Meeting of the Association of Yale Alumni, *Invited talk*, November 2011
- Science in the News: *The Anatomy of a Galaxy Inside-out* outreach talk, Yale, February 2011

SUBMITTED AND REFEREED PUBLICATIONS

⋆ - First Author (or Significant Contribution), Total Citations: 8313, h-index: 42 (*updated Nov. 2023*)

148. *The Heavy Metal Survey: Star Formation Constraints and Dynamical Masses of 21 Massive Quiescent Galaxies at z~1.4-2.2,*
Kriek, M., Beverage, A. G., Price, S. H., Suess, K. A., Barro, G., Bezanson, R. S., Conroy, C., Cutler, S. E., Franx, M., Lin, J., Lorenz, B., Ma, Y., Momcheva, I. G., Mowla, L. A., Pasha, I., van Dokkum, P., & Whitaker, K. E. (2023), arXiv:2311.16232.

147. *Remarkably Compact Quiescent Candidates at* $3 < z < 5$ *in JWST-CEERS,*
Wright, L., Whitaker, K. E., Weaver, J. R., Cutler, S. E., Wang, B., Carnall, A., Suess, K. A., **Bezanson, R.**, Nelson, E., Miller, T. B., Ito, K., & Valentino, F. (2023), arXiv:2311.05394.

146. *UNCOVER: Illuminating the Early Universe-JWST/NIRSpec Confirmation of* $z > 12$ *Galaxies,*
Wang, B., Fujimoto, S., Labbé, I., Furtak, L. J., Miller, T. B., Setton, D. J., Zitrin, A., Atek, H., **Bezanson, R.**, Brammer, G., Leja, J., Oesch, P. A., Price, S. H., Chemerynska, I., Cutler, S. E., Dayal, P., van Dokkum, P., Goulding, A. D., Greene, J. E., Fudamoto, Y., Khullar, G., Kokorev, V., Marchesini, D., Pan, R., Weaver, J. R., Whitaker, K. E., & Williams, C. C. (2023), ApJL, 957, L34.

145. *UNCOVER: A NIRSpec Identification of a Broad-line AGN at z = 8.50,*
Kokorev, V., Fujimoto, S., Labbe, I., Greene, J. E., **Bezanson, R.**, Dayal, P., Nelson, E. J., Atek, H., Brammer, G., Caputi, K. I., Chemerynska, I., Cutler, S. E., Feldmann, R., Fudamoto, Y., Furtak, L. J., Goulding, A. D., de Graaff, A., Leja, J., Marchesini, D., Miller, T. B., Nanayakkara, T., Oesch, P. A., Pan, R., Price, S. H., Setton, D. J., Smit, R., Stefanon, M., Wang, B., Weaver, J. R., Whitaker, K. E., Williams, C. C., & Zitrin, A. (2023), ApJL, 957, L7.

144. *Rest-frame Near-infrared Radial Light Profiles up to z = 3 from JWST/NIRCam: Wavelength Dependence of the Sérsic Index,*
Martorano, M., van der Wel, A., Bell, E. F., Franx, M., Whitaker, K. E., Nersesian, A., Price, S. H., Baes, M., Suess, K. A., Nelson, E. J., Miller, T. B., **Bezanson, R.**, & Brammer, G. (2023), ApJ, 957, 46.

143. *Less is less: photometry alone cannot predict the observed spectral indices of* $z \sim 1$ *galaxies from the LEGA-C spectroscopic survey,*
Nersesian, A., van der Wel, A., Gallazzi, A., Leja, J., **Bezanson, R.**, Bell, E. F., D'Eugenio, F., de Graaff, A., Kaushal, Y., Martorano, M., Maseda, M., & Zibetti, S. (2023), arXiv:2310.18000.

142. *Quantifying the Effects of Known Unknowns on Inferred High-redshift Galaxy Properties: Burstiness, the IMF, and Nebular Physics,*
Wang, B., Leja, J., Atek, H., Labbe, I., Li, Y., **Bezanson, R.**, Brammer, G., Cutler, S. E., Dayal, P., Furtak, L. J., Greene, J. E., Kokorev, V., Pan, R., Price, S. H., Suess, K. A., Weaver, J. R., Whitaker, K. E., & Williams, C. C. (2023), arXiv:2310.06781.

141. *UNCOVER: The rest ultraviolet to near infrared multiwavelength structures and dust distributions of sub-millimeter-detected galaxies in Abell 2744,*
Price, S. H., Suess, K. A., Williams, C. C., **Bezanson, R.**, Khullar, G., Nelson, E. J., Wang, B., Weaver, J. R., Fujimoto, S., Kokorev, V., Greene, J. E., Brammer, G., Cutler, S. E., Dayal, P., Furtak, L. J., Labbe, I., Leja, J., Miller, T. B., Nanayakkara, T., Pan, R., & Whitaker, K. E. (2023), arXiv:2310.02500.

140. *The UNCOVER Survey: A First-Look HST+JWST Catalog of Galaxy Redshifts and Stellar Populations Properties Spanning* $0.2 < z < 15$*,*
Wang, B., Leja, J., Labbé, I., **Bezanson, R.**, Whitaker, K. E., Brammer, G., Furtak, L. J., Weaver, J. R., Price, S. H., Zitrin, A., Atek, H., Coe, D., Cutler, S. E., Dayal, P., van Dokkum, P., Feldmann, R., Marchesini, D., Franx, M., Förster Schreiber, N., Fujimoto, S., Geha, M., Glazebrook, K., de Graaff, A., Greene, J. E., Juneau, S., Kassin, S., Kriek, M., Khullar, G., Maseda, M., Mowla, L. A., Muzzin, A., Nanayakkara, T., Nelson, E. J., Oesch, P. A., Pacifici, C., Pan, R., Papovich, C., Setton, D. J., Shapley, A. E., Smit, R., Stefanon, M., Suess, K. A., Taylor, E. N., & Williams, C. C. (2023), arXiv:2310.01276.

139. *Evolution in the orbital structure of quiescent galaxies from MAGPI, LEGA-C, and SAMI surveys: direct evidence for merger-driven growth over the last 7 Gyr,*
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