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## DR. RACHEL BEZANSON

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(US Citizen)

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observational galaxy formation and evolution through cosmic time

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### 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*

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### EMPLOYMENT

**Assistant Professor**, University of Pittsburgh, Pittsburgh, PA 2017-present

**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

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### FELLOWSHIPS AND AWARDS

**Dietrich School Award for Excellence in Graduate Mentoring**, April 2021

**Cottrell Scholar Award**, Research Corporation for Scientific Advancement, 2021

**Inclusive Mentorship Award**, University of Pittsburgh, (inaugural award) 2020

<https://www.physicsandastronomy.pitt.edu/news/departments-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

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### GRANTS (TOTAL \$889.3K)

- (2021-2024), **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"
- (Feb. 2020), **PI**, North American ALMA Science Center (NAASC), \$12k  
Grant to support junior participation at Aspen Center for Physics Conference
- (2019-2021) **PI**, Kaufman Foundation New Investigator Grant, \$150k  
"Dancing of the Stars: Testing the Formation of the Largest Elliptical Galaxies"
- (2019-2022) **PI**, NSF-AAG #1907697, \$308.5k (\$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?"
- (2018-2019) **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 \$38.4k): 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, (Z. Lewis), Summer 2020, Fall 2020, Spring 2021, (M. Verrico)

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## CONFERENCES AND TALKS (SINCE 2017)

- Multi-object Spectroscopy for Statistical Measures of Galaxy Evolution, STSci Workshop, *Invited Talk*, May 2021
- INAF - Arcetri Colloquium, *Invited Talk*, December 2020
- UCLA, Astronomy Colloquium, *Invited Talk*, October 2020
- Galread Seminar, Princeton, *Invited Talk*, August 2020
- Lorentz Center, Galaxy Dynamics, *Invited Review*, February 2020
- Aspen Center for Physics “Galaxy Quenching” Meeting, *Primary organizer and talk*, February 2020
- The Ohio State University, Astronomy Dept. Colloquium, *Invited Talk*, November 2019
- Ringberg, ASPECS team meeting, *Invited Talk*, November 2019
- Lorentz Center, Springboard to JWST Meeting, *Invited Talk*, October 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
- IAU Symposium: Dynamics in the Era of Large Surveys, Shanghai, contributed talk, July 2019
- AAS (summer): WFIRST meeting-within-a-meeting session, *Invited Talk*, July 2019
- IAU Symposium: Uncovering Early Galaxy Evolution, Portugal, contributed talk, June 2019
- Harvard ITC, Battlestar Galactica Seminar, *Invited Talk*, April 2019
- AAS (winter): US-ELT Key Science Program, *Invited Talk*, January 2019
- CWRU Astronomy Colloquium, *Invited Talk*, November 2018
- CIERA Seminar, *Invited Talk*, October 2018
- Tufts Colloquium, *Invited Talk*, September 2018
- WFIRST/LSST Workshop, *Invited Talk*, August 2018
- Galaxy Scaling Relations Conference, Kingston, *Invited Review*, July 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

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## ADDITIONAL EXPERIENCE

### *Observing*

**HST – WFC3:** 13 orbit imaging program (Proposal #12167), 3D-HST Co-I  
**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  
**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  
**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, <http://squiggle.astro.berkeley.edu/>

*Prime Focus Spectrograph (PFS) - SSP GE Working group* co-chair, NEPG, *Treasurer*  
*UNCOVER JWST Cycle 1 Treasury program*, co-PI/US Admin PI

**Computing:** C, IDL, IRAF, Python

**Service:**

Graduate Student Mentoring Committee, founding co-chair (2019+)  
 Faculty Hiring Committees at Pitt (2017-2018, 2018-2019)  
 Equity and Inclusion Committee Member and APS Bridge Lead  
 Allegheny Observatory Committee  
 AURA representative for the University of Pittsburgh (2018+)  
 Postdoctoral mentor and organizer for Princeton Post-baccalaureate Program (2016-2017)  
 Referee for MNRAS, ApJ, and ApJL  
 Referee for Dutch Research Council (2020) and German Research Foundation (2020, 2021) grants  
 Referee for NPP and NESSF proposals  
 NSF Panel (2019,2020,2021)  
 ALMA Time Allocation Committee (2016, 2017, 2018)  
 NOAO Time Allocation Committee (Fall 2017, Fall 2018, Fall 2020)  
 HST Mid-cycle review TAC (2019)  
 Organizer, Aspen Center for Physics Meeting, “Galaxy Quenching Throughout Cosmic Time” (February 2020)  
 Graduate student thesis committees: Pitt: Fielder, Flores, Hand, Pearl, Setton, Kaushal, Zarassi, Mucci, (CMU)  
 Huang, (MPIA) van Houdt, (DAWN-Copenhagen) Stockmann  
 APS - Conference for Undergraduate Women in Physics (Pittsburgh, Jan. 2020) - Leadership committee

## TEACHING

- University of Pittsburgh:
  - Introduction to Astronomy (ASTR 0089): Spring 2021
  - Introduction to Astrophysics (ASTR 0113)/Honors Introduction to Astrophysics (ASTR 0413): Fall 2017, 2018, Spring 2019
  - Undergraduate Galaxies and Cosmology (ASTRON 1121): Spring 2020
  - Graduate Galactic and Extra-galactic Astronomy (ASTRON 3580): Spring 2020
  - 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*  
*Courses: high school physics, AP physics, 8th grade physical science, and two astronomy electives*

## STUDENTS SUPERVISED

- Qiana Hunt (Princeton Post-baccalaureate student, 2016-2018)
- Wren Suess (co-supervised, UC-Berkeley graduate student, 2017-)
- David Setton (Pitt graduate student, 2018-)
- Alan Pearl (co-supervised, Pitt graduate student, 2018-)
- Justin Cole (Pitt undergraduate student, 2018-)
- Lance Taylor (Pitt undergraduate student, 2018-)
- Yasha Kaushal (Pitt graduate student, 2019-)
- Emma Krofcheck (Pitt undergraduate student, 2019-2020)
- Zachary Lewis (Pitt undergraduate student, 2019-)
- Ryan Eskenasy (Penn State undergraduate student, summer 2019)
- Margaret Verrico (Pitt undergraduate student, 2020-)

- Anna de Graff (co-supervised, Leiden graduate student, 2019-)

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## OUTREACH

- Astronomy on Tap - Los Angeles, Jan. 2021, <https://youtu.be/hD9V6QwPm-U>
- 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

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## SUBMITTED AND REFEREED PUBLICATIONS

★ - First or Second Author, Total Citations: 4912, h-index: 30 (updated May 2021)

65. *Recent Star Formation in a Massive Slowly Quenched Lensed Quiescent Galaxy at  $z=1.88$*   
Akhshik, M., Whitaker, K. E., Leja, J., Mahler, G., Sharon, K., Brammer, G., Toft, S., **Bezanson, R.**, Man, A., Nelson, E. J., Pacifici, C., Wellons, S., and Williams, C. C., ApJL, 907, 8.
64. *ALMA measures rapidly depleted molecular gas reservoirs in massive quiescent galaxies at  $z\sim 1.5$*   
Williams, C.C., Spilker, J.S., Whitaker, K. E., Dave, R., Woodrum, C., Brammer, G., **Bezanson, R.**, Narayanan, D., and Weiner, B., 2021, ApJ in press, (arXiv:2012.01433).
63. ★ *SQUIGGLE Survey: Massive  $z\sim 0.6$  Post-Starburst Galaxies Exhibit Flat Age Gradients*  
Setton, D., **Bezanson, R.**, Suess, K. A., Hunt, Q., Greene, J. E., Kriek, M., Spilker, J. S., Feldmann, R., and Narayanan, D., 2020, ApJ, 905, 79.
62. ★ *Tightly Coupled Morpho-kinematic Evolution for Massive Star-forming and Quiescent Galaxies across 7 Gyr of Cosmic Time*  
de Graaff, A., **Bezanson, R.**, Franx, M., van der Wel, A., Bell, E., D'Eugenio, F., Holden, B., Maseda, M., Muzzin, A., Pacifici, C., van de Sande, J., Sobral, D., Straatman, C.M.S., and Wu, P.-F., 2020, ApJL, 903, 30.
61. *Dust Attenuation Curves at  $z\sim 0.8$  from LEGA-C: Precise Constraints on the Slope and 2175Å Bump Strength*  
Barišić, I., Pacifici, C., van der Wel, A., Straatman, C., Bell, E., **Bezanson, R.**, Brammer, G., D'Eugenio, F., Franx, M., van Houdt, J., Maseda, M., Muzzin, A., Sobral, D., and Wu, P.-F., 2020, ApJ, 903, 146.
60. *REQUIEM-2D Methodology: Spatially Resolved Stellar Populations of Massive Lensed Quiescent Galaxies from Hubble Space Telescope 2D Grism Spectroscopy*  
Akhshik, M., Whitaker, K. E., Brammer, G., Mahler, G., Sharon, K., Leja, J., Bayliss, M. B., **Bezanson, R.**, Gladders, M. D., Man, A., Nelson, E. J., Rigby, J. R., Rizzo, F., Toft, S., Wellons, S., and Williams, C. C.. 2020, ApJ, 900, 184.
59. *The Role of Active Galactic Nuclei in the Quenching of Massive Galaxies in the SQUIGGLE Survey*  
Greene, J. E., Setton, D., **Bezanson, R.**, Suess, K. A., Kriek, M., Spilker, J. S., Goulding, A. D., and Feldmann, R.. 2020, ApJL, 899, 9.
58. *Inverse stellar population age gradients of post-starburst galaxies at  $z = 0.8$  with LEGA-C*  
D'Eugenio, F., van der Wel, A., Wu, P.-F., Barone, T., van Houdt, J., **Bezanson, R.**, Straatman, C. M. S., Pacifici, C., Muzzin, A., Gallazi, A., Wild, V., Sobral, D., Bell, E. F., Zibetti, S., Mowla, L., and Franx, M., 2020, MNRAS, 497, 389.

57. *The colors and sizes of recently quenched galaxies: a result of compact starburst before quenching*  
Wu, Po-Feng, van der Wel, A., **Bezanson, R.**, Gallazzi, A., Pacifici, C., Straatman, C. M. S., Barišić, I., Bell, E. F., Chauke, P., D'Eugenio, F., Franx, M., Muzzin, A., Sobral, D., van Houdt, J., 2020, ApJ, 888, 77.
56. *★ Stellar Kinematics and Environment at  $z \sim 0.8$  in the LEGA-C Survey: Massive, Slow-rotators are Built First in Overdense Environments*  
Cole, J., **Bezanson, R.**, van der Wel, A., Bell, E., D'Eugenio, F., Franx, M., Gallazzi, A., van Houdt, J., Muzzin, A., Pacifici, C., van de Sande, J., Sobral, D., Straatman, C., and Wu P.-F. 2019, ApJL, 890, 25.
55. *★ Evidence for Inside-Out Galaxy Growth and Quenching of a  $z \sim 2$  Compact Galaxy from High-Resolution Molecular Gas Imaging*  
Spilker, J. S., **Bezanson, R.**, Weiner, B. J., Whitaker, K. E., and Williams, C. 2019, Accepted to ApJ.
54. *Stellar Metallicities and Elemental Abundance Ratios of  $z \sim 1.4$  Massive Quiescent Galaxies*  
Kriek, M., Price, S. H., Conroy, C., Suess, K. A., Mowla, L., Pasha, I., **Bezanson, R.**, van Dokkum, P., and Barro, G. 2019, ApJL, 880, 31.
53. *Discovery of a dark, massive, ALMA-only galaxy at  $z \sim 5 - 6$  in a tiny 3-millimeter survey*  
Williams, C. C., Labbe, I., Spilker, J., Stefanon, M., Leja, J., Whitaker, K. E., **Bezanson, R.**, Narayanan, D., Oesch, P., and Weiner, B. 2019, submitted to ApJ, arXiv:1905.11996.
52. *Rejuvenation in  $z \sim 0.8$  Quiescent Galaxies in LEGA-C*  
Chauke, P., van der Wel, A., Pacifici, C., **Bezanson, R.**, Wu, P.-F., Gallazzi, A., Straatman, C., Franx, M., Barišić, I., Bell, E. F., van Houdt, J., Maseda, M. V., Muzzin, A., Sobral, D., and Spilker, J. 2019, ApJ, 877, 48.
51. *★ Extremely Low Molecular Gas Content in a Compact, Quiescent Galaxy at  $z = 1.522$*   
**Bezanson, R.**, Spilker, J., Williams, C. C., Whitaker, K. E., Narayanan, D., Weiner, B., and Franx, M. 2019, ApJL, 873, L19.
50. *An Absence of Radio-loud Active Galactic Nuclei in Geometrically Flat Quiescent Galaxies: Implications for Maintenance-mode Feedback Models*  
Barišić, I., van der Wel, A., van Houdt, J., Maseda, M. V., Bell, E. F., **Bezanson, R.**, Chang, Y.-Y., Röttgering, H., van de Ven, G., and Wu, P.-F. 2019, ApJL, 872, L12.
49. *HST F160W Imaging of Very Massive Galaxies at  $1.5 < z < 3.0$ : Diversity of Structures and the Effect of Close Pairs on Number Density Estimates*  
Marsan, Z. C., Marchesini, D., Muzzin, A., Brammer, G. B., **Bezanson, R.**, Franx, M., Labbé, I., Lundgren, B., Rudnick, G., Stefanon, M., van Dokkum, P., Wake, D., Whitaker, K. E. 2019, ApJ, 871, 201.
48. *Complete IRAC Mapping of the CFHTLS-DEEP, MUSYC, and NMBS-II Fields*  
Annunziatella, M., Marchesini, D., Stefanon, M., Muzzin, A., Lange-Vagle, D., Cybulski, R., Labbé, I., Kado-Fong, E., **Bezanson, R.**, Brammer, G. B., Herrera, D., Lundgren, B., Marsan, Z. C., Nonino, M., Rudnick, G., Saracco, P., Tal, T., Valdes, F., van der Burg, R. F. J., van Dokkum, P., Wake, D., Whitaker, K. E. 2018, PASP, 130, 994, 124501.
47. *The Large Early Galaxy Astrophysics Census (LEGA-C) Data Release 2: Dynamical and Stellar Population Properties of  $z \leq 1$  Galaxies in the COSMOS Field*  
Straatman, C., van der Wel, A., **Bezanson, R.**, Pacifici, C., Gallazzi, A., Wu, P.-F., Noeske, K., Barišić, I., Bell, E. F., Calhau, J., Chauke, P., Franx, M., van Houdt, J., Labbé, I., Maseda, M. V., Muñoz-Mateos, J. C., Muzzin, A., van de Sande, J., Sobral, D., and Spilker, J. 2018, ApJS, 239, 27.
46. *★ 1D Kinematics from Stars and Ionized Gas at  $z \sim 0.8$  from the LEGA-C Spectroscopic Survey of Massive Galaxies*  
**Bezanson, R.**, van der Wel, A., Straatman, C., Pacifici, C., Wu, P.-F., Barišić, I., Bell, E. F., Conroy, C., D'Eugenio, F., Franx, M., Gallazzi, A., van Houdt, J., Maseda, M. V., Muzzin, A., van de Sande, J., Sobral, D., and Spilker, J. 2018, ApJL, 868, L2.
45. *Fast and slow paths to quiescence: ages and sizes of 400 quiescent galaxies from the LEGA-C survey*  
Wu, P.-F., van der Wel, A., **Bezanson, R.**, Gallazzi, A., Pacifici, C., Straatman, C., Barišić, I., Bell, E. F., Chauke, P., Franx, M., van Houdt, J., Muzzin, A., Sobral, D., and Wild, V. 2018, ApJ in press, arXiv:1809.01211.
44. *COSMOS-DASH: The Evolution of the Galaxy Size-Mass Relation Since  $z \sim 3$  from new Wide Field WFC3 Imaging Combined with CANDELS/3DHST*  
Mowla, L., van Dokkum, P. G., Brammer, G. B., Momcheva, I., van der Wel, A., Whitaker, K.E., Nelson, E., **Bezanson, R.**, Muzzin, A., Franx, M., MacKenty, J., Leja, J., Kriek, M., and Marchesini, D. 2019, ApJ, 880, 57.
43. *HST F160W Imaging of Very Massive Galaxies at  $1.5 < z < 3.0$ : Diversity of Structures and the Effect of Close Pairs on Number Density Estimates*  
Marsan, Z. C., Marchesini, D., Muzzin, A., Brammer, G.B., **Bezanson, R.**, Franx, M., Labbé, I., Lundgren, B., Rudnick, G., Stefanon, M., van Dokkum, P., Wake, D., and Whitaker, K.E., 2019, ApJ, 872, 19.



42. *Star Formation Histories of  $z \sim 1$  Galaxies in LEGA-C*  
Chauke, P., van der Wel, A., Pacifici, C., **Bezanson, R.**, Wu P.-F., Gallazzi, A., Noeske, K., Straatman, C., Muñoz-Mateos, J. C., Franx, M., Barišić, I., Bell, E. F., Brammer, G. B., Calhau, J., van Houdt, J., Labbé, I., Maseda, M. V., Muñoz-Mateos, J. C., Muzzin, A., Rix, H.-W., and Sobral, D. 2018, *ApJ*, 861, 1, 13.
41. *★ Stellar and Molecular Gas Rotation in a Recently-Quenched Massive Galaxy at  $z \sim 0.7$*   
Hunt, Q., **Bezanson, R.**, Greene, J. E., Spilker, J. S., Suess, K. A., Kriek, M., Narayanan, D., Feldmann, R., van der Wel, A., and Pattarakijwanich, P. 2018, *ApJL*, 860, 1, L18.
40. *★ Molecular Gas Contents and Scaling Relations for Massive, Passive Galaxies at Intermediate Redshifts from the LEGA-C Survey*  
Spilker, J. S., **Bezanson, R.**, Barišić, I., Bell, E., Lagos, C. d. P., Maseda, M., Muzzin, A., Pacifici, C., Sobral, D., Straatman, C., van der Wel, A., van Dokkum, P., Weiner, B., Whitaker, K., Williams, C. C., and Wu, P.-F. 2018, *ApJ*, 860, 103.
39. *★ Spatially Resolved Stellar Kinematics from LEGA-C: Increased Rotational Support in  $z \sim 0.8$  Quiescent Galaxies*  
**Bezanson, R.**, van der Wel, A., Pacifici, C., Noeske, K., Barišić, I., Bell, E. F., Brammer, G. B., Calhau, J., Chauke, P., van Dokkum, P., Franx, M., Gallazzi, A., van Houdt, J., Labbé, I., Maseda, M. V., Muñoz-Mateos, J. C., Muzzin, A., van de Sande, J., Sobral, D., Straatman, C., and Wu, P.-F. 2018, *ApJ*, 858, 60.
38. *Stellar Populations of over 1000  $z \sim 0.8$  Galaxies from LEGA-C: Ages and Star Formation Histories from  $D_n4000$  and  $H\delta$*   
Wu, P.-F., van der Wel, A., Gallazzi, A., **Bezanson, R.**, Pacifici, C., Straatman, C., Franx, M., Barišić, I., Bell, E. F., Brammer, G. B., Calhau, J., Chauke, P., van Houdt, J., Maseda, M. V., Muzzin, A., Rix, H.-W., Sobral, D., Spilker, J., van de Sande, J., van Dokkum, P., and Wild, V. 2018, *ApJ*, 855, 85.
37. *Galaxy interactions trigger rapid black hole growth: An unprecedented view from the Hyper Suprime-Cam survey*  
Goulding, A. D., Greene, J. E., **Bezanson, R.**, Greco, J., Johnson, S., Leauthaud, A., Matsuoka, Y., Medezinski, E., and Price-Whelan, A. M., 2018. *PASJ*, 70, S37.
36. *Stellar Dynamics and Star Formation Histories of  $z \sim 1$  Radio-loud Galaxies*  
Barišić, I., van der Wel, A., **Bezanson, R.**, Pacifici, C., Noeske, K., Muñoz-Mateos, J. C., Franx, M., Smolčić, V., Bell, E. F., Brammer, G., Calhau, J., Chauké, P., van Dokkum, P. G., van Houdt, J., Gallazzi, A., Labbé, I., Maseda, M. V., Muzzin, A., Sobral, D., Straatman, C. and Wu, P.-F. 2017, *ApJ*, 847, 1, 72.
35. *★ Massive Quenched Galaxies at  $z \sim 0.7$  Retain Large Molecular Gas Reservoirs*  
Suess, K. A., **Bezanson, R.**, Spilker, J. S., Kriek, M., Greene, J. E., Feldmann, R., Hunt, Q. and Narayanan, D., 2017, *ApJL*, 846, L14.
34. *Morphology Dependence of Stellar Age in Quenched Galaxies at Redshift  $\sim 1.2$ : Massive Compact Galaxies Are Older than More Extended Ones*  
Williams, C. C. Giavalisco, M., **Bezanson, R.**, Cappelluti, N., Cassata, P., Liu, T., Lee, B., Tundo, E., and Vanzella, E., 2017, *ApJ*, 838, 94.
33. *Near-infrared Spectroscopy of Five Ultra-massive Galaxies at  $1.7 < z < 2.7$*   
Kado-Fong, E., Marchesini, D., Marsan, Z. C., Muzzin, A., Quadri, R., Brammer, G., **Bezanson, R.**, Labbé, I., Lundgren, B., Rudnick, G., Stefanon, M., Tal, T., Wake, D., Williams, R., Whitaker, K. and van Dokkum, P. 2017, *ApJ*, 838, 1, 57.
32. *★ Predicting Quiescence: The Dependence of Specific Star Formation Rate on Galaxy Size and Central Density at  $0.5 < z < 2.5$*   
Whitaker, K. E., **Bezanson, R.**, van Dokkum, P. G., Franx, M., van der Wel, A., Brammer, G., Förster-Schreiber, N. M., Giavalisco, M., Labbé, I., Momcheva, I. G., Nelson, E. J. and Skelton, R. 2017, *ApJ*, 838, 19.
31. *★ Low Gas Fractions Connect Compact Star-forming Galaxies to Their  $z \sim 2$  Quiescent Descendants*  
Spilker, J. S., **Bezanson, R.**, Marrone, D. P., Weiner, B. J., Whitaker, K. E. and Williams, C. C., 2016, *ApJ*, 832, 19.
30. *The 3D-HST Survey: Hubble Space Telescope WFC3/G141 Grism Spectra, Redshifts, and Emission Line Measurements for 22,548 Galaxies in the CANDELS fields*  
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