RACHEL BEZANSON

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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

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

FELLOWSHIPS AND AWARDS

H.N. Russell Fellowship, Department of Astrophysics, 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

Howard Hughes Grant for Undergraduate Research, with Elena Aprile, Columbia, NY 2001

CONFERENCES AND TALKS

- Harvard ITC, Battlestar Galactica Seminar, Invited Talk, April 2019
- AAS: 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
- HSC Seminar, Princeton, September 2016
- CIERA Fellows at the Frontiers, *Invited talk*, September 2016
- Galread Seminar, Princeton, September 2016

- Deconstructing Galaxies at Cosmic Noon Workshop, Lorentz Center, Invited Review/discussion, July 2016
- Massive Beasts of the Cosmos Conference, Kruger Park, contributed talk, July 2016
- What Shapes Galaxies? Conference, STScI, contributed talk, April 2016
- UMass-Amherst Colloquium, Invited talk, April 2016
- PITTPAC LSST Photo-z Workshop, contributed talk, April 2016
- Hubble Fellow Symposium, contributed talk, March 2016
- 3D-HST conference, Invited talk, November 2015
- UC-San Diego CASS Seminar, *Invited talk*, October 2015
- Steward Observatory/NOAO colloquium, *Invited talk*, April 2015
- Hubble Fellow Symposium, contributed talk, March 2015
- The Most Massive Galaxies and Their Precursors, contributed talk, February 2015
- Astronomy Colloquium, University of Washington, Invited talk, October 2014
- 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
- Bash Symposium, UT-Austin, *Invited talk*, October 2013
- Astronomy Seminar, Texas A&M, *Invited talk*, September 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
- Berkeley Cosmology Seminar and Galform Talks, Invited talk, U.C.-Berkeley, October 2012
- IAU Intriguing Lives of Massive Galaxies Session, Beijing, poster presentation, August 2012
- Galaxies Insight-Out Conference, Leiden, Invited talk, July 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

HST – WFC3: 13 orbit imaging program (Proposal #12167)

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:) Cycle 3: 2.7 hours, Cycle 4: 7.7 hours, Cycle 5: 27.8 hours

Gemini - GMOS N/S: (as PI:) \sim 30 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, Co-I, http://squiggle.astro.berkeley.edu/

Prime Focus Spectograph (PFS) - SSP team member, Northeast Participation Group, *Treasurer Computing:* experience with C, IDL, IRAF, Python **Service:**

Faculty Hiring Committees at Pitt (2017/2018)

Allegheny Observatory, Diversity Committees

AURA representative for the University of Pittsburgh (2018+)

Postdoctoral mentor and organizer for Princeton Post-baccalaureate Program (2017-2018)

Referee for MNRAS, ApJ, and ApJL

Referee for NPP and NESSF proposals

NSF Panel (2019)

ALMA Time Allocation Committee (2016, 2017, 2018)

NOAO Time Allocation Committee (Fall 2017, Fall 2018)

HST Mid-cycle review TAC (2019)

TEACHING

- Instructor for Introduction to Astronomy (ASTR 0113)/Honors Introduction to Astronomy (ASTR 0413) University of Pittsburgh, Fall 2017, 2018, Spring 2019
- 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-)

OUTREACH

- 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 or Second Author
- 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.
- 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 ≤ 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., Muños-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~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 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. 2018, Submitted to ApJ, arXiv:1808.04379.
- 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</p>
 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., 2018, Submitted to ApJ, arXiv:1808.03284.
- 42. *Star Formation Histories of z∼1 Galaxies in LEGA-C*Chauke, P., van der Wel, A., Pacifici, C., **Bezanson, R.**, Wu P.-F., Gallazzi, A., Noeske, K., Straatman, C., Muños-Mateos, J. C., Franx, M., Barišić, I., Bell, E. F., Brammer, G. B., Calhau, J., van Houdt, J., Labbé, I., Maseda, M. V., Muños-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 ~ 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~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., Muños-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∼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~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 ~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 ~ 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
 Momcheva, I., Brammer, G. B., van Dokkum, P. G., Skelton, R. E., Whitaker, K. E., Nelson, E. J., Fumagalli, M., Maseda, M. V., Leja, J., Franx, M., Rix, H.-W., Bezanson, R., Da Cunha, E., Dickey, C., Förster Schreiber, N. M., Illingworth, G., Kriek, M., Labbé, I., Lange, J. U., Lundgren, B. F., Magee, D., Marchesini, D., Oesch, P., Pacifici, C., Patel, S. G., Price, S., Tal, T., Wake, D. A., van der Wel, A., and Wuyts, S. 2016, ApJS, 225, 27.
- 29. * Leveraging 3D-HST Grism Redshifts to Quantify Photometric Redshift Performance **Bezanson, R.**, Wake, D. A., Brammer, G. B., Leja, J., Momcheva, I. G., Nelson, E. J., Quadri, R. F., Skelton, R. E., Weiner, B. J., and Whitaker, K. E. ApJ, 2016, ApJ, 822, 30.
- 28. The VLT LEGA-C Spectroscopic Survey: The Physics of Galaxies at a Lookback Time of 7 Gyr van der Wel, A., Noeske, K., Bezanson, R., Pacifici, C., Gallazzi, A., Franx, M., Muñoz-Mateos, J. C., Bell, A., Brammer, G., Charlot, S., Chauké, P., Labbé, I., Maseda, M. V., Muzzin, A., van de Sande, J., van Dokkum, P. G., Wild, V., and Wolf, C. 2016, ApJS, 223, 29.
- 27. Forming Compact Massive Galaxies van Dokkum, P. G., Nelson, E. J., Franx, M., Oesch, P., Momcheva, I., Brammer, G., Forster Schreiber, N. M., Skelton, R. E., Whitaker, K. E., van der Wel, A., **Bezanson, R.**, Fumagalli, M., Illingworth, G. D., Kriek, M., Leja, J., and Wuyts, S. 2015, ApJ, 813, 1, 23.
- 26. Galaxy Structure as a Driver of the Star Formation Sequence Slope and Scatter Whitaker, K. E., Franx, M., Bezanson, R., Brammer, G. B., van Dokkum, P. G., Kriek, M. T., Labbe, I., Leja, J., Momcheva, I. G.;, Nelson, E. J., Rigby, J. R., Rix, H.-W., Skelton, R. E., van der Wel, A., and Wuyts, S. 2015 ApJL, 811, 1, L12.
- 25. * One Plane for All: Massive Star-Forming and Quiescent Galaxies Lie on the Same Mass Fundamental Plane at $z\sim0$ and $z\sim0.7$
 - Bezanson, R., Franx, M., and van Dokkum, P. G. 2015, ApJ, 799, 2, 148.

- 24. The Relation between Dynamical Mass-to-Light Ratio and Color for Massive Quiescent Galaxies out to $z \sim 2$ and Comparison with Stellar Population Synthesis Models van de Sande, J., Kriek, M., Franx, M., Bezanson, R., and van Dokkum, P. G. 2015, ApJ, 799, 125.
- 23. 3D-HST WFC3-selected Photometric Catalogs in the Five CANDELS/3D-HST Fields: Photometry, Photometric Redshifts and Stellar Masses
 Skelton, R., Whitaker, K., Momcheva, I., Brammer, G., van Dokkum, P. G., Labbé, I., Franx, M., van der Wel, A., Bezanson, R., da Cunha, E., Fumagalli, M., Förster Schreiber, N., Kriek, M., Leja, J., Lundgren, B., Magee, D., Marchesini, D., Maseda, M., Nelson, E., Oesch, P., Pacifici, C., Patel, S., Price, S., Rix, H.-W., Tal, T., Wake, D., and Wuyts, S. 2014, ApJS, 214, 2, 24.
- 22. The Fundamental Plane of Massive Quiescent Galaxies out to $z \sim 2$ van de Sande, J., Kriek, M., Franx, M., **Bezanson, R.**, and van Dokkum, P. G. 2014, ApJL, 793, 2, L31.
- A Massive Galaxy in its Core Formation Phase Three Billion Years After the Big Bang
 Nelson, E. J., van Dokkum, P. G., Franx, M., Brammer, G., Momcheva, I., Förster Schreiber, N., da Cunha, E., Tacconi,
 L., Bezanson, R., Leja, J., Rix H.-W., Skelton, R., van der Wel, A., Whitaker, K., and Wuyts, S. 2014, Nature, 513,
 7518, pp. 394-397.
- 20. * Dense Cores in Galaxies Out to z = 2.5 in SDSS, UltraVISTA, and the Five 3D-HST/CANDELS Fields van Dokkum, P. G., Bezanson, R., van der Wel, A., Nelson, E., Momcheva, I., Skelton, R., Whitaker, K., Brammer, G., Conroy, C., Förster Schreiber, N., Fumagalli, M., Kriek, M., Labbé, I., Leja, J., Marchesini, D., Muzzin, A., Oesch, P., and Wuyts, S. 2014, ApJ, 791, 1, 45.
- ★ Tight Correlations Between Massive Galaxy Structural Properties and Dynamics: The Mass Fundamental Plane Was in Place by z ~ 2
 Bezanson, R., van Dokkum, P. G., van de Sande, J., Franx, M., Leja, J., and Kriek, M. 2013, ApJL, 779, 2, L21.
- 18. Exploring the Chemical Link between Local Ellipticals and Their High-redshift Progenitors
 Leja, J., van Dokkum, P. G., Momcheva, I., Brammer, G. B., Skelton, R. E., Whitaker, K. E., Andrews, B. H., Franx,
 M., Kriek, M., van der Wel, A., Bezanson, R., Conroy, C., Förster Schreiber, N., Nelson, E., and Patel, S. G. 2013,
 ApJL, 778, 2, L24.
- 17. The Stellar Kinematics of $z \sim 2$ Galaxies and the Inside-Out Growth of Quiescent Galaxies van de Sande, J., Kriek, M., Franx, M., van Dokkum, P. G., **Bezanson, R.**, Quadri, R. F., Rix, H.-W., and Skelton, R. E., 2013, ApJ, 771, 2, 85.
- 16. The Velocity Function of Dark Matter Halos at r=20 kpc Evolves Remarkably Little Since $z\approx 4$. Weinmann, S. M., Franx, M., van Dokkum, P. G., and **Bezanson, R.**, 2013, ApJL, 767, L21.
- 15. ★ Massive and Newly Dead: Discovery of a Significant Population of Galaxies with High Velocity Dispersions and Strong Balmer Lines at z ~ 1.5 from Deep Keck Spectra and HST/WFC3 Imaging

 Bezanson, R., van Dokkum, P. G., van de Sande, J., Franx, M., and Kriek, M. 2012, ApJL, 764, 1, L8.
- 14. ★ Evolution of Quiescent and Star-Forming Galaxies Since z ~ 1.5 as a Function of their Velocity Dispersions **Bezanson, R.**, van Dokkum, P. G., and Franx, M. 2012, ApJ, 760, 1, 62.
- 13. Large-Scale Star Formation-Driven Outflows at 1 < z < 2 in the 3D-HST Survey Lundgren, B. F., Brammer, G., van Dokkum, P., **Bezanson, R.**, Franx, M., Fumagalli, M., Momcheva, I., Nelson, E., Skelton, R. E., Wake, D. A., Whitaker, K., da Cunha, E., Erb, D. K., Fan, X., Kriek, M., Labbé, I., Marchesini, D., Patel, S., Rix, H. W., Schmidt, K., and van der Wel, A. 2012, ApJ, 760, 1, 49.
- 12. 3D-HST: A Wide-field Grism Spectroscopic Survey with the Hubble Space Telescope
 Brammer, G. B., van Dokkum, P. G., Franx, M., Fumagalli, M., Patel, S., Rix, H.-W., Skelton, R. E., Kriek, M., Nelson, E., Schmidt, K. B., Bezanson, R., da Cunha, E., Erb, D. K., Fan, X., Förster Schreiber, N., Illingworth, G. D., Labbé, I., Leja, J., Lundgren, B., Magee, D., Marchesini, D., McCarthy, P., Momcheva, I., Muzzin, A., Quadri, R., Steidel, C. C., Tal, T., Wake, D. A., Whitaker, K. E., and Williams, A. 2012, ApJS, 200, 2, 13.
- 11. A Nearby Analog of $z \sim 2$ Compact Quiescent Galaxies with a Rotating Disk Jiang, F., van Dokkum, P., **Bezanson, R.**, and Franx, M. 2012, ApJL, 749, 1, L10.
- 10. Spatially Resolved Hα Maps and Sizes of 57 Strongly Star-forming Galaxies at z ~ 1 from 3D-HST: Evidence for Rapid Inside-out Assembly of Disk Galaxies Nelson, E. J., van Dokkum, P. G., Brammer, G., Förster Schreiber, N., Franx, M., Fumagalli, M., Patel, S., Rix, H.-W., Skelton, R. E., Bezanson, R., da Cunha, E., Kriek, M., Labbé, I., Lundgren, Quadri, R., and Schmidt, K. B. 2012, ApJL, 747, 2, L28.

- 9. A Large Population of Massive Compact Post-starburst Galaxies at z>1: Implications for the Size Evolution and Quenching Mechanism of Quiescent Galaxies
 Whitaker, K. E., Kriek, M., van Dokkum, P. G., Bezanson, R., Brammer, G., Franx, and M., Labbé, I. 2012, ApJ, 745, 2, 179.
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