

# Publication List

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## First-Author Publications

- $\Lambda$ CDM Halo Models of Galaxy Clustering and Evolution in PRIMUS at  $0.2 < z < 1.2$ . **Skibba R. A.**, et al., 2014, ApJ, submitted.
- PRIMUS: Galaxy Clustering as a Function of Luminosity and Color at  $0.2 < z < 1$ . **Skibba R. A.**, Smith S., Coil A. L., et al., 2014, ApJ, 784, 128.
- Measures of galaxy environment – II. Rank-ordered mark correlations. **Skibba R. A.**, Sheth R. K., Croton D. J., Muldrew S. I., Abbas U., Pearce F. R., Shattow G., 2013, MNRAS, 429, 458.
- The Spatial Distribution of Dust and Stellar Emission of the Magellanic Clouds. **Skibba R. A.**, Engelbracht C. W., et al., 2012, ApJ, 761, 42.
- Galaxy Zoo: The Environmental Dependence of Bars and Bulges in Disc Galaxies. **Skibba R. A.**, Masters K. L., Nichol R. C., Zehavi I., et al., 2012, MNRAS, 423, 1485.
- Properties of Dark Matter Haloes and their Correlations: the Lesson from Principal Component Analysis. **Skibba R. A.**, Macciò A. V., 2011, MNRAS, 416, 2388.
- The Emission by Dust and Stars of Nearby Galaxies in the Herschel KINGFISH Survey. **Skibba R. A.**, Engelbracht C. W., et al., 2011, ApJ, 738, 89.
- Are Brightest Halo Galaxies Central Galaxies? **Skibba R. A.**, van den Bosch F. C., Yang X., More S., Mo H.J., Fontanot F., 2011, MNRAS, 410, 417.
- Galaxy Zoo: Disentangling the Environmental Dependence of Morphology and Color. **Skibba R. A.**, Bamford S. P., Nichol R. C., Lintott C. J., et al., 2009, MNRAS, 399, 966.
- Central and Satellite Colors in Galaxy Groups: A Comparison of the Halo Model and SDSS Group Catalogs. **Skibba R. A.**, 2009, MNRAS, 392, 1467.
- A Halo Model of Galaxy Colors and Clustering in the SDSS. **Skibba R. A.**, Sheth R. K., 2009, MNRAS, 392, 1080.
- Satellite Luminosities in Galaxy Groups. **Skibba R. A.**, Sheth R. K., Martino M. C., 2007, MNRAS, 382, 1940.
- Marked Statistics and the Environmental Dependence of Galaxy Formation. **Skibba, R. A.**, 2006, Ph.D. Dissertation.
- The Luminosity-Weighted or ‘Marked’ Correlation Function. **Skibba R. A.**, Sheth R. K., Connolly A. J., & Scranton R., 2006, MNRAS, 369, 68.

## Co-authored Publications

- *nIFTy Cosmology: Galaxy/halo mock catalogue comparison project on clustering statistics.* Chuang C.-H., et al., 2014, MNRAS, submitted.
- *PRIMUS: Effects of Galaxy Environment on the Quiescent Fraction Evolution at  $z < 0.8$ .* Hahn C.-H., Blanton M., et al., 2014, ApJ, submitted.
- *The dependence of the star formation-stellar mass relation on spiral disk morphology.* Willett K. W., et al., 2014, MNRAS, submitted.
- *Galaxy Cluster Mass Reconstruction Project: II. Results for galaxy-based techniques with improved models.* Old L., Wojtak R., Mamon G. A., **Skibba R. A.**, et al., 2014, MNRAS, submitted.
- *Cosmological implications of baryon acoustic oscillation (BAO) measurements.* Aubourg E., et al., 2014, Phys. Rev. D, submitted.
- *Modeling The Redshift-Space Three-Point Correlation Function in SDSS-III.* Guo H., et al., 2014, MNRAS Letters, submitted.
- *Galaxy Zoo: Evidence for Diverse Star Formation Histories through the Green Valley.* Smethurst R. J., Lintott C. J., Simmons B. D., et al., 2014, MNRAS, submitted.
- *Predicting Galaxy Star Formation Rates via the Co-evolution of Galaxies and Halos.* Watson D. F., Hearin A. P., Berlind A. A., Becker M. R., Behroozi P. S., **Skibba R. A.**, Reyes R., Zentner A. R., 2015, MNRAS, 446, 651.
- *Velocity Bias from the Small Scale Clustering of SDSS-III BOSS Galaxies.* Guo H., Zheng Z., Zehavi I., et al., 2015, MNRAS, 446, 578.
- *Dust and Gas in the Magellanic Clouds from the HERITAGE Herschel Key Project. I. Dust Properties and Insights into the Origin of the Submm Excess Emission.* Gordon K. D., et al., 2014, ApJ, 797, 85.
- *Redshift evolution of the dynamical properties and dark matter fractions of SDSS-III/BOSS galaxies.* Beifiori A., Thomas D., Maraston C., et al., 2014, ApJ, 789, 92.
- *The Clustering of Galaxies in the SDSS-III DR10 Baryon Oscillation Spectroscopic Survey: Modeling of the Luminosity and Colour Dependence.* Guo H., et al., 2014, MNRAS, 441, 2398.
- *Galaxy Cluster Mass Reconstruction Project – I. Methods and first results on galaxy-based techniques.* Old L., **Skibba R. A.**, Pearce F. R., Croton D., et al., 2014, MNRAS, 441, 1513.
- *The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations in the Data Release 10 and 11 Galaxy Samples.* Anderson L., et al., 2014, MNRAS, 441, 24.
- *Reconstructing the Stellar Mass Distributions of Galaxies Using S4G IRAC 3.6 and 4.5  $\mu\text{m}$  Images: II. The Conversion from Light to Mass.* Meidt S. E., et al., 2014, ApJ, 788, 144.

- *The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological implications of the full shape of the clustering wedges in the data release 10 and 11 galaxy samples.* Sánchez A. G., et al., 2014, MNRAS, 440, 2692.
- *The Green Valley is a Red Herring: Galaxy Zoo reveals Two Independent Evolutionary Pathways towards Quenching of Star Formation in Early- and Late-type Galaxies.* Schawinski K., et al., 2014, MNRAS, 440, 889.
- *Dissecting the origin of the submillimeter emission in nearby galaxies with Herschel and LABOCA.* Galametz M., et al., 2014, MNRAS, 439, 2542.
- *Subhaloes gone Notts: the clustering properties of subhaloes.* Pujol A., Gaztañaga E., Giocoli C., Knebe A., Pearce F. R., **Skibba R. A.**, et al., 2014, MNRAS, 438, 3205.
- *Galaxy Zoo: Evolution of the Bar Fraction over the last eight billion years from HST-COSMOS.* Melvin T., Masters K., et al., 2014, MNRAS, 438, 2882.
- *The Clustering of Galaxies in SDSS-III DR10 Baryon Oscillation Spectroscopic Survey: No Detectable Colour Dependence of Distance Scale or Growth Rate Measurements.* Ross A. J., et al., 2014, MNRAS, 437, 1109.
- *Galaxy Zoo: Observing Secular Evolution Through Bars.* Cheung E., Athanassoula E., et al., 2013, ApJ, 779, 162.
- *Stellar masses of SDSS-III/BOSS galaxies at  $z \sim 0.5$  and constraints to galaxy formation models.* Maraston C., et al., 2013, MNRAS, 435, 2764.
- *Galaxy Zoo 2: detailed morphological classifications for 304,122 galaxies from the Sloan Digital Sky Survey.* Willett K. W., et al., 2013, MNRAS, 435, 2835.
- *The CO-to-H<sub>2</sub> Conversion Factor and Dust-to-Gas Ratio on Kiloparsec Scales in Nearby Galaxies.* Sandstrom K. M., et al., 2013, ApJ, 777, 5.
- *The HERschel Inventory of The Agents of Galaxy Evolution (HERITAGE) in the Magellanic Clouds, a Herschel Open Time Key Program.* Meixner M., et al., 2013, AJ, 146, 62.
- *Measures of galaxy environment – III. Difficulties in identifying proto-clusters at  $z \sim 2$ .* Shattow G. M., Croton D. J., **Skibba R. A.**, Muldrew S. I., Pearce F. R., Abbas U., 2013, MNRAS, 433, 3314.
- *The impact of bars on disk breaks as probed by S4G imaging.* Muñoz-Mateos J. C., et al., 2013, ApJ, 771, 59.
- *The Clustering of Galaxies at  $z = 0.5$  in the SDSS-III Data Release 9 BOSS-CMASS Sample: A Test for the  $\Lambda$ CDM Cosmology.* Nuza S. E., et al., 2013, MNRAS, 432, 743.
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- *The Clustering of Low Redshift Galaxies in the Baryon Oscillation Spectroscopic Survey Data Release 9.* Parejko J., et al., 2013, MNRAS, 429, 98.
- *The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: a large sample of mock galaxy catalogues.* Manera M., et al., 2013, MNRAS, 428, 1036.
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- *Clustering of Sloan Digital Sky Survey III Photometric Luminous Galaxies and its Cosmological Implications.* Ho S., et al., 2012, ApJ, 761, 14.
- *Acoustic Scale from the Angular Power Spectra of SDSS-III Photometric Luminous Galaxies.* Seo H.-J., et al., 2012, ApJ, 761, 13.
- *The Ninth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Baryon Oscillation Spectroscopic Survey.* Ahn C., et al., 2012, ApJS, 203, 21.
- *The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measurements of the growth of structure and expansion rate at  $z=0.57$  from anisotropic clustering.* Reid B. A., et al., 2012, MNRAS, 426, 2719.
- *Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: NGC 628 and NGC 6946.* Aniano G., Draine B. T., et al., 2012, ApJ, 756, 138.
- *Cool Dust in the Outer Ring of NGC 1291.* Hinz J. L., Engelbracht C. W., **Skibba R.**, et al., 2012, ApJ, 756, 75.
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- *The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological implications of the large-scale two-point correlation function.* Sánchez A. G., et al., 2012, MNRAS, 425, 415.
- *The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: measuring structure growth using passive galaxies.* Tojeiro R., et al., 2012, MNRAS, 424, 2339.
- *Galaxy Zoo and ALFALFA: Atomic Gas and the Regulation of Star Formation in Barred Disc Galaxies.* Masters K. L., Nichol R. C., Haynes M. P., Lintott C., Simmons B., **Skibba R.**, et al., 2012, MNRAS, 424, 2180.
- *The Progenitors of Present-day Massive Red Galaxies up to  $z \approx 0.7$ : Finding Passive Galaxies using SDSS-I/II and SDSS-III.* Tojeiro R., Percival W. J., Wake D. A., Maraston C., **Skibba R. A.**, Zehavi I., et al., 2012, MNRAS, 424, 136.

- *Measures of Galaxy Environment – I. What is “Environment”?* Muldrew S. I., Croton D. J., **Skibba R. A.**, Pearce F. R., et al., 2012, MNRAS, 419, 2670.
- *Herschel Far-Infrared and Sub-millimeter Photometry for the KINGFISH Sample of Nearby Galaxies.* Dale D. A., et al., 2012, ApJ, 745, 95.
- *Reconstructing the Stellar Mass Distributions of Galaxies Using S4G IRAC 3.6 and 4.5  $\mu\text{m}$  Images: I. Correcting for Contamination by PAH, Hot Dust, and Intermediate-Age Stars.* Meidt S. E., Schinnerer E., Knapen J. H., et al., 2012, ApJ, 744, 17.
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- *The Morphology of Galaxies in the Baryon Oscillation Spectroscopic Survey.* Masters K. L., Nichol R. C., et al., 2011, MNRAS, 418, 1055.
- *Thick Disks of Edge-on Galaxies Seen through S4G: Lair of Missing Baryons?* Comerón S., Elmegreen B. G., Knapen J. H., et al., 2011, ApJ, 741, 28.
- *Ameliorating Systematic Uncertainties in the Angular Clustering of Galaxies: A Study using BOSS.* Ross A. J., Ho S., et al., 2011, MNRAS, 417, 1350.
- *Calibrating Extinction-Free Star Formation Rate Diagnostics with Ka-Band (26-40 GHz) Radio Emission in NGC 6946.* Murphy E. J., Condon J. J., Schinnerer E., et al., 2011, ApJ, 737, 67.
- *Grand Design and Flocculent Spirals in the Spitzer Survey of Stellar Structure in Galaxies (S4G).* Elmegreen D. M., et al., 2011, ApJ, 737, 32.
- *Galaxy Clustering in the Completed SDSS Redshift Survey: The Dependence on Color and Luminosity.* Zehavi I., Zheng Z., Weinberg D. H., et al., 2011, ApJ, 736, 59.
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- *How Does Galaxy Environment Matter? The Relationship between Galaxy Environments, Color and Stellar Mass at  $z < 1$  in the Palomar/DEEP2 Survey.* Grützbauch R., Conselice C. J., Varela J., Bundy K., Cooper M. C., **Skibba R.**, Willmer C. N. A., 2011, MNRAS, 411, 929.
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- *The Herschel-SPIRE Legacy Survey (HSLs): The Scientific Goals of a Shallow and Wide Submillimeter Imaging Survey with SPIRE.* Cooray A., Eales S., et al., 2010, HSLs white paper, arXiv:1007.3519.

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- *Far-Infrared Line Imaging of the Starburst Ring in NGC 1097 with the Herschel/PACS Spectrometer.* Beirão P., Armus L., Appleton P. N., Smith J.-D. T., et al., 2010, A&A, 518, L60.
- *Mapping Far-IR Emission from the Central Kiloparsec of NGC 1097.* Sandstrom K., Krause O., Linz H., Schinnerer E., et al., 2010, A&A, 518, L59.
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- *Galaxy Formation with Cold Gas Accretion and Evolving Stellar Initial Mass Function.* Kang X., Lin W. P., **Skibba R.**, Chen D. N., 2010, ApJ, 713, 1301.
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- *Towards a Concordant Model of Halo Occupation Statistics.* van den Bosch F. C., Yang X., Mo H. J., Weinmann S. M., Macciò A. V., More S., Cacciato M., **Skibba R.**, Kang X., 2007, MNRAS, 376, 841.
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## Published Abstracts and Conference Proceedings

- *$\Lambda$ CDM Halo Models of Galaxy Clustering and Evolution in the PRIMUS Survey at  $0 < z < 1$ .* **Skibba R. A.**, Coil A. L., Mendez A., Blanton M. R., Eisenstein D., 2015, AAS Meeting 225, #405.03
- *Measures of Galaxy Environment: Rank-ordered Mark Correlations.* **Skibba R. A.**, Sheth R. K., Croton D. J., et al., 2013, AAS Meeting 221, #420.01

- *Galaxy Zoo: The Environmental Dependence of Bars and Bulges in Disc Galaxies.* **Skibba R. A.**, Masters K. L., Nichol R. C., et al., 2012, AAS Meeting 219, #311.03
- *Are Brightest Halo Galaxies Central Galaxies?* **Skibba R. A.**, van den Bosch F., Yang X., More S., Mo H., Fontanot F., 2011, in Proc. of Galaxy Formation Conference, Durham, p. 130.
- *Dust and Stellar Emission of Nearby Galaxies in the Herschel KINGFISH Survey.* **Skibba R. A.**, Engelbracht C. W., Hunt L., Dale D., Johnson B., Groves B., Hinz J., Murphy E., Zibetti S., KINGFISH Team, 2011, AAS Meeting 217, #417.08
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