

## REFEREED

### FIRST AUTHOR PAPERS

**The cosmic assembly of stellar haloes in massive early-type Galaxies** - Buitrago, F., Trujillo, Ignacio; Curtis-Lake, E.; Montes, M.; Cooper, A. P.; Bruce, V. A.; Prez-Gonzalez, P. G.; Cirasuolo, M. – 2017, MNRAS, 466, 4888 – 4 citations as of 31-Jul-17

**SINFONI/VLT 3D spectroscopy of massive galaxies: Evidence of rotational support at  $z \sim 1.4$**  - Buitrago, F.; Conselice, C. J.; Epinat, B.; Bedregal, A. G.; Grützbauch, R.; Weiner, B. J. – 2014, MNRAS, 439,1494 – 22 citations as of 31-Jul-17

**Early type galaxies have been the predominant morphological class for massive galaxies since only  $z \sim 1$**  - Buitrago, Fernando; Trujillo, Ignacio; Conselice, Christopher J.; Häußler, Boris – 2013, MNRAS, 428, 1460 – 99 citations as of 31-Jul-17

**Size Evolution of the Most Massive Galaxies at  $1.7 < z < 3$  from GOODS NICMOS Survey Imaging** - Buitrago, Fernando; Trujillo, Ignacio; Conselice, Christopher J.; Bouwens, Rychard J.; Dickinson, Mark; Yan, Haojing – 2008, ApJ, 687, L81 – 276 citations as of 31-Jul-2017

### OTHER WORKS

**The VANDELS ESO public spectroscopic survey** - McLure, R. J.; Pentericci, L.; et al. including Buitrago F. - 2018, MNRAS, accepted

**A catalog of polychromatic bulge-disk decompositions of 17.600 galaxies in CANDELS** - Dimauro, Paola; Huertas-Company, Marc; Daddi, Emanuele; Pérez-González, Pablo G.; Bernardi, Mariangela; Barro, Guillermo; Buitrago, Fernando; Caro, Fernando; Cattaneo, Andrea; Dominguez-Sánchez, Helena; Faber, Sandra M.; Häussler, Boris; Kocevski, Dale D.; Koekemoer, Anton M.; Koo, David C.; Lee, Christoph T.; Mei, Simona; Margalef-Bentabol, Berta; Primack, Joel; Rodriguez-Puebla, Aldo; Salvato, Mara; Shankar, Francesco; Tuccillo, Diego - 2018, MNRAS, accepted

**The structural and size evolution of star-forming galaxies over the last 11 Gyr** - Paulino-Afonso A.; Sobral D.; Buitrago F.; Afonso J. – MNRAS, 465, 2717

**Chandra Counterparts of CANDELS GOODS-S Sources** - Cappelluti, N.; Comastri, A.; Fontana, A.; Zamorani, G.; Amorín, R.; Castellano, M.; Merlin, E.; Santini, P.; Elbaz, D.; Schreiber, C.; Shu, X.; Wang, T.; Dunlop, J. S.; Bourne, N.; Bruce, V. A.; Buitrago, F.; Michalowski, Michal J.; Derriere, S.; Ferguson, H. C.; Faber, S. M.; Vito, F. – 2016, ApJ, 823, 95

**The ASTRODEEP Frontier Fields catalogues. II. Photometric redshifts and rest frame properties in Abell-2744 and MACS-J0416** - Castellano, M.; Amorín, R.; Merlin, E.; Fontana, A.; McLure, R. J.; Mármol-Queraltó, E.; Mortlock, A.; Parsa, S.; Dunlop, J. S.; Elbaz, D.; Balestra,

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I.; Boucaud, A.; Bourne, N.; Boutsia, K.; Brammer, G.; Bruce, V. A.; Buitrago, F.; Capak, P.; Cappelluti, N.; Ciesla, L.; Comastri, A.; Cullen, F.; Derriere, S.; Faber, S. M.; Giallongo, E.; Grazian, A.; Grillo, C.; Mercurio, A.; Michalowski, M. J.; Nonino, M.; Paris, D.; Pentericci, L.; Pilo, S.; Rosati, P.; Santini, P.; Schreiber, C.; Shu, X.; Wang, T. – 2016, *A&A*, 590, 31

**The ASTRODEEP Frontier Fields catalogues. I. Multiwavelength photometry of Abell-2744 and MACS-J0416** - Merlin, E.; Amorín, R.; Castellano, M.; Fontana, A.; Buitrago, F.; Dunlop, J. S.; Elbaz, D.; Boucaud, A.; Bourne, N.; Boutsia, K.; Brammer, G.; Bruce, V. A.; Capak, P.; Cappelluti, N.; Ciesla, L.; Comastri, A.; Cullen, F.; Derriere, S.; Faber, S. M.; Ferguson, H. C.; Giallongo, E.; Grazian, A.; Lotz, J.; Michalowski, M. J.; Paris, D.; Pentericci, L.; Pilo, S.; Santini, P.; Schreiber, C.; Shu, X.; Wang, T. – 2016 *A&A*, 590, 30

**Identification of  $z \leq 2$  Herschel 500  $\mu$ M Sources Using Color Deconfusion** - Shu, X. W.; Elbaz, D.; Bourne, N.; Schreiber, C.; Wang, T.; Dunlop, J. S.; Fontana, A.; Leiton, R.; Pannella, M.; Okumura, K.; Michalowski, M. J.; Santini, P.; Merlin, E.; Buitrago, F.; Bruce, V. A.; Amorín, R.; Castellano, M.; Derriere, S.; Comastri, A.; Cappelluti, N.; Wang, J. X.; Ferguson, H. C. – 2016, *ApJS*, 222, 4

**Infrared Color Selection of Massive Galaxies at  $z > 3$**  - Wang, T.; Elbaz, D.; Schreiber, C.; Pannella, M.; Shu, X.; Willner, S. P.; Ashby, M. L. N.; Huang, J.-S.; Fontana, A.; Dekel, A.; Daddi, E.; Ferguson, H. C.; Dunlop, J.; Ciesla, L.; Koekemoer, A. M.; Giavalisco, M.; Boutsia, K.; Finkelstein, S.; Juneau, S.; Barro, G.; Koo, D. C.; Michalowski, M. J.; Orellana, G.; Lu, Y.; Castellano, M.; Bourne, N.; Buitrago, F.; Santini, P.; Faber, S. M.; Hathi, N.; Lucas, R. A.; Pérez-González, P. G.. – 2016, *ApJ*, 816, 84

**T-PHOT: A new code for PSF-matched, prior-based, multiwavelength extragalactic deconvolution photometry** - Merlin, E.; Fontana, A.; Ferguson, H. C.; Dunlop, J. S.; Elbaz, D.; Bourne, N.; Bruce, V. A.; Buitrago, F.; Castellano, M.; Schreiber, C.; Grazian, A.; McLure, R. J.; Okumura, K.; Shu, X.; Wang, T.; Amorin, R.; Boutsia, K.; Cappelluti, N.; Comastri, A.; Derriere, S.; Faber, S. M.; Santini, P. – 2015, *A&A*, 582, 15

**The Decomposed Bulge and Disk Size-Mass Relations of Massive Galaxies at  $1 < z < 3$  in CANDELS** - V.A. Bruce, J.S. Dunlop, R.J. McLure, M. Cirasuolo, Buitrago, F., R.A.A. Bowler, T.A. Targett, E.F. Bell, D.H. McIntosh, A. Dekel, S.M. Faber, H.C. Ferguson, N.A. Grogin, W. Hartley, D.D. Kocevski, A.M. Koekemoer, D.C. Koo, E.J. McGrath – 2014, *MNRAS*, 444, 1660

**The Bulge-Disk Decomposed Evolution of Massive Galaxies at  $1 < z < 3$  in CANDELS** - V.A. Bruce, J.S. Dunlop, R.J. McLure, M. Cirasuolo, Buitrago, F., R.A.A. Bowler, T.A. Targett, E.F. Bell, D.H. McIntosh, A. Dekel, S.M. Faber, H.C. Ferguson, N.A. Grogin, W. Hartley, D.D. Kocevski, A.M. Koekemoer, D.C. Koo, E.J. McGrath – 2014, *MNRAS*, 444, 1001

**The Progenitors of Local Ultra-massive Galaxies Across Cosmic Time: from Dusty Star-bursting to Quiescent Stellar Populations** - Marchesini, Danilo; Muzzin, Adam; Stefanon,

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Mauro; Franx, Marijn; Brammer, Gabriel G.; Marsan, Cemile Z.; Vulcani, Benedetta; Fynbo, Johan P. U.; Milvang-Jensen, Bo; Dunlop, James S.; Buitrago, F. – 2014, ApJ, 794, 65

**The SCUBA-2 Cosmology Legacy Survey: demographics of the 450- $\mu$ m population** - Roseboom, I. G.; Dunlop, J. S.; Cirasuolo, M.; Geach, J. E.; Smail, I.; Halpern, M.; Werf, P. van der; and other authors in alphabetical order including Buitrago, F. – 2013, MNRAS, 436, 430

**The sizes, masses and specific star-formation rates of massive galaxies at  $1.3 < z < 1.5$ : strong evidence in favour of evolution via minor mergers** - McLure, R. J.; Pearce, H. J.; Dunlop, J. S.; Cirasuolo, M.; Curtis-Lake, E.; Bruce, V. A.; Caputi, K.; Almaini, O.; Bonfield, D. G.; Bradshaw, E. J.; Buitrago, F.; Chuter, R.; Foucaud, S.; Hartley, W. G.; Jarvis, M. J. – 2013, MNRAS, 428, 1088

**A Strongly-Lensed Massive Ultra-Compact Quiescent Galaxy at  $z \sim 2.4$  in the COSMOS/UltraVISTA Field** - Muzzin, Adam; Labbe, Ivo; Franx, Marijn; van Dokkum, Pieter; Holt, J.; Szomoru, Daniel; van de Sande, Jesse; Brammer, Gabriel; Marchesini, Danilo; Stefanon, Mauro; Buitrago, F.; Caputi, K. I.; Dunlop, James; Fynbo, J. P. U.; Le Fèvre, Olivier; McCracken, Henry J.; Milvang-Jensen, Bo – 2012, ApJ, 761, 142

**UltraVISTA: a new ultra-deep near-infrared survey in COSMOS** - McCracken, H. J.; Milvang-Jensen, B.; Dunlop, J.; Franx, M.; Fynbo, J. P. U.; Le Fèvre, O.; Holt, J.; Caputi, K. I.; Goranova, Y.; Buitrago, F.; Emerson, J. P.; Freudling, W.; Hudelot, P.; Lpez-Sanjuan, C.; Magnard, F.; Mellier, Y.; Mller, P.; Nilsson, K. K.; Sutherland, W.; Tasca, L.; Zabl, J. – 2012, A&A, 544, 156

**Evolution of massive galaxy structural properties and sizes via star formation in the GOODS NICMOS Survey** - Ownsworth, Jamie R.; Conselice, Christopher J.; Mortlock, Alice; Hartley, William G.; Buitrago, Fernando – 2012, MNRAS, 426, 764

**The Structures and Total (Minor + Major) Merger Histories of Massive Galaxies up to  $z \sim 3$  in the HST GOODS NICMOS Survey: A Possible Solution to the Size Evolution Problem** - Bluck, Asa F. L.; Conselice, Christopher J.; Buitrago, Fernando; Grützbauch, Ruth; Hoyos, Carlos; Mortlock, Alice; Bauer, Amanda E. – 2012, ApJ, 747, 34

**H $\alpha$  star formation rates in massive galaxies at  $z \sim 1$**  - Twite, Jonathan W.; Conselice, Christopher J.; Buitrago, Fernando; Noeske, Kai; Weiner, Benjamin J.; Acosta-Pulido, Jose A.; Bauer, Amanda E. – 2012, MNRAS, 420, 1061

**Are Compact Massive Galaxies at High- $z$  Really Quiescent? A Mid-Infrared to Submillimeter Study of the GOODS NICMOS Survey Sample** - Viero, M. P.; Monceli, L.; Mentuch, E.; Buitrago, F.; and co-authors in alphabetical order - 2012, MNRAS, 421, 2161

**Insights on the Formation, Evolution, and Activity of Massive Galaxies from Ultracompact and Disky Galaxies at  $z = 2-3$**  - Weinzirl, Tim; Jogee, Shardha; Conselice, Christopher J.;

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Papovich, Casey; Chary, Ranga-Ram; Bluck, Asa; Grützbauch, Ruth; Buitrago, Fernando; Mobasher, Bahram; Lucas, Ray A.; Dickinson, Mark; Bauer, Amanda E. – 2011, *ApJ*, 743, 87

**The relationship between star formation rates, local density and stellar mass up to  $z \sim 3$  in the GOODS NICMOS Survey** - Grützbauch, R.; Conselice, C. J.; Bauer, A. E.; Bluck, A. F. L.; Chuter, R. W.; Buitrago, F.; Mortlock, A.; Weinzirl, T.; Jogee, S. – 2011, *MNRAS*, 418, 938

**Star formation in a stellar mass selected sample of galaxies to  $z = 3$  from the GOODS NICMOS Survey** - Bauer, Amanda E.; Conselice, Christopher J.; Pérez-González, Pablo G.; Grützbauch, Ruth; Bluck, Asa F. L.; Buitrago, Fernando; Mortlock, Alice - 2011, *MNRAS*, 417, 289

**A Deep Probe of the Galaxy Stellar Mass Functions at  $z = 1 - 3$  with the GOODS NICMOS Survey** - Mortlock A., Conselice C. J., Bluck A. F. L., Bauer A. E., Grützbauch R., Buitrago, F., Ownsworth J. – 2011, *MNRAS*, 413, 2845

**The Hubble Space Telescope GOODS NICMOS Survey: Overview and the Evolution of Massive Galaxies at  $1.5 < z < 3$**  - Conselice, C. J.; Bluck, A. F. L.; Buitrago, F.; Bauer, A. E.; Grützbauch, R.; Bouwens, R. J.; Bevan, S.; Mortlock, A.; Dickinson, M.; Daddi, E.; Yan, H.; Scott, Douglas; Chapman, S. C. and co-authors in alphabetical order - 2011, *MNRAS*, 413, 80

**Galaxy properties in different environments up to  $z \sim 3$  in the GOODS NICMOS Survey** - Grützbauch, Ruth; Chuter, Robert W.; Conselice, Christopher J.; Bauer, Amanda E.; Bluck, Asa F. L.; Buitrago, Fernando; Mortlock, Alice - 2011, *MNRAS*, 413, 2845

**HerMES : SPIRE detection of high redshift massive compact galaxies in GOODS-N field** - Cava, A.; Rodighiero, G.; Perez-Fournon, I.; Buitrago, F.; Trujillo, I.; Altieri, B. and co-authours in alphabetical order – 2010, *MNRAS*, 409, L19

**The evolutionary sequence of submillimetre galaxies: from diffuse discs to massive compact ellipticals?** - Ricciardelli, E.; Trujillo, I.; Buitrago, F.; Conselice, C. J. - 2010, *MNRAS*, 406, 230

## SUBMITTED

**The VANDELS ESO public spectroscopic survey: observations and first data release** - Pentericci L.; Garilli B.; et al. including Buitrago F. - 2018, eprint arXiv:1803.07373

## NOT REFEREED

**Structural evolution of the most massive galaxies of the Universe** - Buitrago, F. – Highlights of Spanish Astrophysics VIII, Proceedings of the XI Scientific Meeting of the Spanish Astronom-

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ical Society held on September 8-12, 2014, in Teruel, Spain, ISBN 978-84-606-8760-3. A. J. Cenarro, F. Figueras, C. Hernandez-Monteagudo, J. Trujillo Bueno, and L. Valdivielso (eds.), p. 7-18

**Massive galaxies: born as disks, dead as spheroids** - Buitrago, F. – The Intriguing Life of Massive Galaxies, Proceedings of the International Astronomical Union, IAU Symposium, Volume 295, pp. 171-171

**Massive galaxies: a gate to large area very deep galaxy surveys** - Buitrago, F.; Conselice, C. J.; Trujillo I. – Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society (SEA), held in Valencia, July 9 - 13, 2012, Eds.: J.C. Guirado, L.M. Lara, V. Quilis, and J. Gorgas., pp.164-171

**Shaping massive galaxies: their morphology and kinematics at  $z = 1-3$**  - Buitrago, F.; Conselice, C. J.; Epinat, B.; Bedregal, A. G.; Trujillo, I.; Grützbauch, R. – Highlights of Spanish Astrophysics VI, Proceedings of the IX Scientific Meeting of the Spanish Astronomical Society (SEA), held in Madrid, September 13 - 17, 2010, Eds.: M. R. Zapatero Osorio, J. Gorgas, J. Maz Apellniz, J. R. Pardo, and A. Gil de Paz., p. 154-160

**3D Spectroscopy Unveils Massive Galaxy Formation Modes at High- $z$**  - Buitrago, F.; Conselice, C. J.; Epinat, B.; Bedregal, A. G.; Trujillo, I.; Grützbauch, R. – Environment and the Formation of Galaxies: 30 years later, Astrophysics and Space Science Proceedings, JENAM 2010, p. 163

**Extremely Compact Massive Galaxies at  $1.7 < z < 3$**  - Buitrago, F.; Trujillo, I.; Conselice, C. J. - Highlights of Spanish Astrophysics V, Astrophysics and Space Science Proceedings. ISBN 978-3-642-11249-2. Springer-Verlag Berlin Heidelberg, 2010, p. 261