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Juan Carlos Muñoz-Mateos

Education & Employment History

- 2015-present **ESO Staff Astronomer**, *European Southern Observatory*, Santiago, Chile.
VIMOS Instrument Scientist. VIRCAM Instrument Scientist until 2017
- 2013 – 2015 **ESO Fellow**, *European Southern Observatory*, Santiago, Chile.
VIMOS Fellow. VIRCAM Instrument Scientist
- 2010 – 2013 **Postdoc**, *National Radio Astronomy Observatory*, Charlottesville, USA.
Postdoc within the Spitzer Survey of Stellar Structure in Galaxies (S4G).
- 2008 – 2010 **Ph.D. Astronomy**, *Complutense University*, Madrid, Spain.
Thesis title: *Analysis of the spatial distribution of stars, gas and dust in nearby galaxies.*
Supervised by A. Gil de Paz and J. Zamorano
- 2000 – 2005 **B.S. Physics & Astronomy (5-year degree)**, *Complutense Univ.*, Madrid, Spain.

Research Interests

- Galaxy formation and evolution
- Mass and size growth of disks
- Radial stellar migration in disks
- Influence of bars in disk evolution
- Star formation at extreme galactocentric distances
- Interplay between star formation and the ISM
- Spatial variations of dust and gas properties within galaxies

Grants & Fellowships

- 2013 – 2015 ESO Fellowship.
- 2005 – 2010 FPU Ph.D. fellowship from the Spanish Ministry of Education and Science.
- 2004 – 2005 Research fellowship for undergraduate students from the Spanish Ministry of Education and Science. Project: attachment of an optical fiber to a spectrograph to be used in Astronomy Labs.

Research Projects and Collaborations

Current projects

- 2014 – present **LEGA-C: Large Early Galaxy Astrophysics Census.** (PI: A. van der Wel). ESO Public Spectroscopic Survey with VIMOS to obtain deep continuum spectra for thousands of galaxies in the COSMOS field.
- 2009 – present **The Spitzer Survey of Stellar Structure in Galaxies (S4G).** (PI: K. Sheth. Funding: NASA JPL). Spitzer Legacy Survey of more than 2300 nearby galaxies at 3.6 and 4.5 μm , now being extended to ellipticals and lenticulars.
- 2014 – present **Precision extragalactic astrophysics: Getting ready for the scientific exploitation of MEGARA.** (PI: A. Gil de Paz. Funding: Spanish Ministry of Economy and Competitiveness). Project to coordinate the extragalactic applications of MEGARA, a new IFU/MOS instrument for the GTC 10m telescope.

Past projects

- 2013 **Towards the scientific exploitation of MEGARA.** (PI: J. Gallego. Funding: Spanish Ministry of Economy and Competitiveness)
- 2010 – 2013 **AstroMadrid: Astrophysics and technological developments in the region of Madrid.** (PI: J. M. Mass Hesse. Funding: Madrid regional government)
- 2009 – 2013 **Multi-wavelength galaxy surveys: stars, dust and gas at different redshifts.** (PI: J. Gallego. Funding: Spanish Ministry of Science and Innovation)
- 2006 – 2011 **First science with GTC: Spanish astronomy at the forefront of European astronomy.** (PI: J. M. Rodríguez Espinosa. Funding: Spanish Ministry of Science and Innovation)
- 2006 – 2009 **ASTRID: Development and exploitation of astronomical instrumentation.** (PI: J. Gallego. Funding: Madrid regional government)
- 2006 – 2009 **Bidimensional analysis of the physical properties of star-forming galaxies in different epochs of the universe.** (PI: J. Zamorano. Funding: Spanish Ministry of Science and Innovation)
- 2004 – 2008 **Multi-wavelength Analysis of Galaxy Populations (MAGPOP).** PI: G. Kauffmann. Funding: Marie Curie Program)

Observing Experience

- Support astronomer at VLT-UT3. Experience with VIMOS, XSHOOTER, SPHERE, VISIR
- Four campaigns with the PPAK IFU at the 3.5 m telescope at Calar Alto Observatory.
- Extensive observation planning experience with Spitzer.
- One campaign at the IRAM 30m radio-telescope.
- Extensive data processing experience with GALEX, SDSS, 2MASS and Spitzer.
- One campaign at the INT telescope at Roque de los Muchachos Observatory.

Awards and Honors

- 2012 Spanish Astronomical Society award for the best thesis in astronomy defended in 2010
- 2005 Best grades for the whole 5-year Physics degree at Complutense University in Madrid
- 2003 Best grades in the first three years of the 5-year Physics degree at Complutense University in Madrid

Invited Talks and Colloquia

- June 21 2017 *Science and Instrumentation at Paranal Observatory*, Rochester Institute of Technology, USA (remote talk)
- June 14 2017 *The assembly of stellar mass in nearby galaxies: a Spitzer perspective*, ESO, Santiago
- March 29 2016 *Science and Instrumentation at Paranal Observatory*, University College, Dublin.
- Nov 25 2014 *Migrating stars: the true hitchhikers of the galaxy*, Valongo Observatory, Rio de Janeiro.
- July 9 2012 *Analysis of the spatial distribution of stars, gas and dust in nearby galaxies*, Thesis Prize talk at the 10th Meeting of the Spanish Astronomical Society, Valencia, Spain
- 2012 – present Regular invited speaker in the Astrophysics PhD Program at Complutense University, Madrid. Talks given so far:
 - May 26 2015 *Science and Instrumentation at Paranal Observatory*
 - May 14 2014 *Living close to the stars: life and science at Paranal Observatory*
 - May 22 2013 *Wandering stars: how stellar migration reshapes galactic disks*
 - May 18 2012 *A star's hitchhikers guide to riding galaxy breaks: results from S4G*

Lunch talks and seminars

- Oct 22 2013 *Migrating stars: the true hitchhikers of the galaxy*, European Southern Observatory, Santiago de Chile
- Jan 18 2013 *The impact of bars on disk breaks as probed by S4G*, Max Planck Institute for Astrophysics, Garching
- Aug 20 2008 *Radial distribution of stars, dust and gas in the SINGS galaxies*, Infrared Processing and Analysis Center, Pasadena
- Oct 23 2007 *Multi-wavelength analysis of nearby galaxy disks*, Laboratoire d'Astrophysique de Marseille, Marseille
- Jan 11 2007 *Analysis of spiral disk growth with GALEX and 2MASS*, Departamento de Astrofísica Molecular e Infrarroja, Consejo Superior de Investigaciones Científicas, Madrid

Mentoring

- 2016 Undergraduate: Sinead Hales, ESO intern student, working on stellar population gradients in low-mass galaxies. Now a PhD student at the University of Stockholm.
- 2015 Tutor at the ESO/Opticon Summer School in Astronomical Instrumentation, Brno, Czech Republic.

- 2012 Undergraduate: Molly Gallagher, NRAO Summer Student, working on star formation in the extreme outskirts of galaxies. Now a PhD student at Ohio State University.
- 2011 Undergraduate: Raquel Chicharro-Fuertes, NRAO Summer Student, working on disk breaks and bars in the UV. Co-mentored with K. Sheth.
- 2011 Undergraduate: Alexa Ross, NRAO Summer Student, working on galaxies with offset bars. Co-mentored with K. Sheth.

Service & Committees

- Referee for ApJ, A&A, MNRAS
- 2017 – present Member of the ESO Fellowship and Student Selection Committee
- 2017 – present Training Coordinator at ESO Science Operations
- 2013 – present ESO Extragalactic Group co-organizer
- March 2015 SOC & LOC: *Dissecting Galaxies Near and Far: High Resolution Views of Star Formation and the ISM*, Santiago, Chile
- Nov 2013 LOC: *Deconstructing Galaxies: Structure and Morphology in the Era of Large Surveys*, Santiago, Chile
- 2011 – 2013 NRAO lunch talks co-organizer

Attendance to Training Schools and Workshops

- Nov 2017 *Project Management Training*, ESO, Santiago de Chile
- Oct 2015 *Time Management Training*, ESO, Santiago de Chile
- Nov 2014 *The Craft of Scientific Presentations and Writing*, ESO, Santiago de Chile
- Apr 2014 *Project Management Training*, ESO, Santiago de Chile
- Dec 2013 *Team Building Training*, ESO, Santiago de Chile
- Aug 2007 *Second MAGPOP Summer School*, Kloster Seeon, Germany
- Aug 2006 *First MAGPOP Summer School*, Budapest, Hungary
- Aug – Sep 2006 *Second NEON Archive Observing School*, ESO, Garching, Germany

Education and Public Outreach

- June 16 2015 Outreach talk for ESO's administrative staff.
- 2014 – 2015 Talks on the science done with UT3 for the operators and engineers in Paranal.
- 2014 – 2015 Various talks in *Astronomy on Tap* in Santiago.
- 2013 – present Regular collaborator in ESO outreach: talks and activities for kids, interviews for various media, etc.
- Nov 5 2011 Led bilingual activities in the NRAO Astronomy Festival.
- 2009 *Un año estelar*, outreach article in the cultural magazine *Ventana Abierta*.
- 2009 Lecturer in primary schools during the International Year of Astronomy.
- Mar 2 2009 *Interstellar dust in nearby galaxies*, talk at the Astronomical Association of Madrid.
- 2005 – 2010 Regular collaborator in guided visits to the Complutense University observatory.

Computer skills

Pipeline devel.	Wrote the S ⁴ G surface photometry pipeline.
Op. Systems	Linux, OS X, Windows
Astronomy	Iraf, R3D/E3D (IFU data reduction)
Programming	C++, IDL, Matlab
Databases	MySQL, phpMyAdmin
Graphics	Rhinoceros (3D modeling)

Publications

Papers are ordered chronologically and split into three groups: first-author papers, papers in which I made significant contributions as a co-author, and papers where I made standard contributions as part of a collaboration.

First-author papers

- 1 The stellar and molecular gas content in the outer disk of NGC5985**
Muñoz-Mateos, J. C., et al., in prep
- 2 The Spitzer Survey of Stellar Structure in Galaxies (S4G): Stellar Masses, Sizes and Radial Profiles for 2352 Nearby Galaxies**
Muñoz-Mateos, J. C., + S4G team; 2015, ApJS, 219, 3
- 3 The impact of bars on disk breaks as probed by S4G imaging**
Muñoz-Mateos; J. C.; Sheth, K.; Gil de Paz, A.; Meidt, S., + 27 coauthors; 2013, ApJ, 771,59
- 4 Radial Distribution of Stars, Gas, and Dust in SINGS Galaxies. III. Modeling the Evolution of the Stellar Component in Galaxy Disks**
Muñoz-Mateos, J. C.; Boissier, S.; Gil de Paz, A.; Zamorano, J.; Kennicutt, R. C., Jr.; Moustakas, J.; Prantzos, N.; Gallego, J.; 2011, ApJ, 731, 10
- 5 Radial Distribution of Stars, Gas, and Dust in SINGS Galaxies. II. Derived Dust Properties**
Muñoz-Mateos, J. C.; Gil de Paz, A.; Boissier, S.; Zamorano, J.; Dale, D. A.; Pérez-González, P. G.; Gallego, J.; Madore, B. F.; Bendo, G.; Thornley, M. D.; Draine, B. T.; Boselli, A.; Buat, V.; Calzetti, D.; Moustakas, J.; Kennicutt, R. C.; 2009, ApJ, 701, 1965
- 6 Radial Distribution of Stars, Gas, and Dust in SINGS Galaxies. I. Surface Photometry and Morphology**
Muñoz-Mateos, J. C.; Gil de Paz, A.; Zamorano, J.; Boissier, S.; Dale, D. A.; Pérez-González, P. G.; Gallego, J.; Madore, B. F.; Bendo, G.; Boselli, A.; Buat, V.; Calzetti, D.; Moustakas, J.; Kennicutt, R. C.; 2009, ApJ, 703, 1569
- 7 Specific Star Formation Rate Profiles in Nearby Spiral Galaxies: Quantifying the Inside-Out Formation of Disks**
Muñoz-Mateos, J. C.; Gil de Paz, A.; Boissier, S.; Zamorano, J.; Jarrett, T.; Gallego, J.; Madore, B. F.; 2007, ApJ, 658, 1006

Papers where I made substantial contributions as coauthor

- 8 **The GALEX/S4G Surface Brightness and Color Profiles Catalog. I. Surface Photometry and Color Gradients of Galaxies**
Bouquin, A., Gil de Paz, A., Muñoz-Mateos, J.C., et al. 2018, ApJS, 234, 18
- 9 **The instantaneous radial growth rate of stellar discs**
Pezzulli, G.; Fraternali, F.; Boissier, S.; Muñoz-Mateos, J. C.; 2015, MNRAS, 451, 2324
- 10 **The Spitzer Survey of Stellar Structure in Galaxies (S4G): Precise Stellar Mass Distributions from Automated Dust Correction at 3.6 micron**
Querejeta, M.; Meidt, S.; Schinnerer, E.; Cisternas, M.; Muñoz-Mateos, J. C., + 24 coauthors; 2015, ApJS, 219, 5
- 11 **The Odd Offset between the Galactic Disk and Its Bar in NGC 3906**
de Swardt, B., + 29 coauthors (Muñoz-Mateos 7th); ApJ, 808, 90
- 12 **The GALEX/S4G UV–IR Color–Color Diagram: Catching Spiral Galaxies Away from the Blue Sequence**
Bouquin, A.; Gil de Paz, A.; Boissier, S.; Muñoz-Mateos, J. C., + 7 coauthors; 2015, ApJ, 800, 19
- 13 **Spitzer/Infrared Array Camera near-infrared features in the outer parts of S4G galaxies**
Laine, S.; Knapen, J.; Muñoz-Mateos, J. C., + 26 coauthors; 2014, MNRAS, 444, 3015
- 14 **The Baryonic Tully-Fisher Relationship for S4G Galaxies and the "Condensed" Baryon Fraction of Galaxies**
Zaritsky, D.; Courtois, H.; Muñoz-Mateos, J. C., + 20 coauthors; 2014, AJ, 147, 134
- 15 **Morphological Parameters of a Spitzer Survey of Stellar Structure in Galaxies**
Holwerda, B.; Muñoz-Mateos, J. C., + 22 coauthors; 2014, ApJ, 781, 12
- 16 **Molecular gas and star formation in nearby disk galaxies**
Leroy, A., Walter, F.; Sandstrom, K.; Schruba, A.; Muñoz-Mateos, J. C., + 10 coauthors; 2013, ApJ, 146, 19
- 17 **Integral Field Spectroscopy and Multi-wavelength Imaging of the Nearby Spiral Galaxy NGC 5668: an Unusual Flattening in Metallicity Gradient**
Marino, R.; Gil de Paz, A.; Castillo-Morales, A.; Muñoz-Mateos, J. C., + 12 coauthors; 2012, ApJ, 754, 61
- 18 **The S4G Perspective on Circumstellar Dust Extinction of AGB Stars in M100**
Meidt, S.; Schinnerer, E.; Muñoz-Mateos, J. C., + 19 coauthors; 2012, ApJ, 748, 30
- 19 **Estimating the Star Formation Rate at 1 kpc Scales in Nearby Galaxies**
Leroy, A. K.; Bigiel, F.; de Blok, W. J. G.; Boissier, S.; Bolatto, A.; Brinks, E.; Madore, B.; Muñoz-Mateos, J. C.; Murphy, E.; Sandstrom, K.; Schruba, A.; Walter, F.; 2012, AJ, 144, 3
- 20 **Star formation in the extended gaseous disk of the isolated galaxy CIG 96**
Espada, D.; Muñoz-Mateos, J. C.; Gil de Paz, A.; Sabater, J.; Boissier, S.; Verley, S.; Athanassoula, E.; Bosma, A.; Leon, S.; Verdes-Montenegro, L.; Yun, M.; Sulentic, J.; 2011, ApJ, 736, 20
- 21 **Integral field spectroscopy of local LCBGs: NGC 7673, a case study. Physical properties of star-forming regions**
Castillo-Morales, A.; Gallego, J.; Pérez-Gallego, J.; Guzmán, R.; Muñoz-Mateos, J. C.; Zamorano, J.; Sánchez, S. F.; 2011, MNRAS, 411, 1819

- 22 **The Spitzer Survey of Stellar Structure in Galaxies (S4G)**
Sheth, K., + 37 coauthors (Muñoz-Mateos 6th); 2010, PASP, 122, 1397
- 23 **A Search for Extended Ultraviolet Disk (XUV-Disk) Galaxies in the Local Universe**
Thilker, D., + 28 coauthors (Muñoz-Mateos 9th); 2007, ApJS, 173, 538
- 24 **Radial Variation of Attenuation and Star Formation in the Largest Late-Type Disks Observed with GALEX**
Boissier, S., + 26 coauthors (Muñoz-Mateos 8th); 2007, ApJS, 173, 524

[Papers that are team contributions](#)

- 25 **How do spiral arm contrasts relate to bars, disc breaks and other fundamental galaxy properties?**
Bittner, A., et al. 2017, MNRAS, 471, 1070
- 26 **Stellar Dynamics and Star Formation Histories of $z=1$ Radio-loud Galaxies**
Barisic, I., et al. 2017, ApJ, 847, 72
- 27 **The ASAS-SN bright supernova catalogue - II. 2015**
Holoien, T. W. S., et al. 2017, MNRAS, 467, 1098
- 28 **Sub-kiloparsec ALMA Imaging of Compact Star-forming Galaxies at $z \sim 2.5$: Revealing the Formation of Dense Galactic Cores in the Progenitors of Compact Quiescent Galaxies**
Barro, G., et al. 2016, ApJ, 827, 32
- 29 **$H\alpha$ Kinematics of S4G spiral galaxies II. Inner rotation curves**
Erroz-Ferrer, I., et al. 2016, MNRAS, 458, 1199
- 30 **The VLT LEGA-C Spectroscopic Survey: The Physics of Galaxies at a Look-back Time of 7 Gyr**
van der Wel, A., et al. 2016, ApJS, 223, 29
- 31 **$H\alpha$ Kinematics of S4G spiral galaxies II. Data description and non-circular motions**
Erroz-Ferrer, I., + 18 coauthors (Muñoz-Mateos 8th); 2015, MNRAS, 451, 1004
- 32 **Globular Cluster Populations: Results Including S4G Late-type Galaxies**
Zaritsky, D., et al. 2016, ApJ, 818, 99
- 33 **Star Formation in the Local Universe from the CALIFA sample. I. Calibrating the SFR using IFS data**
Catalán-Torrecilla, C., + 26 coauthors (Muñoz-Mateos 13th); 2015, A&A, 584, 87
- 34 **The Spitzer Survey of Stellar Structure in Galaxies (S4G): Multi-component Decomposition Strategies and Data Release**
Salo, H., + 23 coauthors (Muñoz-Mateos 15th); 2015, ApJS, 219, 4
- 35 **Globular Cluster Populations: First Results from S4G Early-type Galaxies**
Zaritsky, D., + 16 coauthors (Muñoz-Mateos 14th); 2015, ApJ, 799, 169
- 36 **A Classical Morphological Analysis of Galaxies in S4G**
Buta, R., + 24 coauthors (Muñoz-Mateos 12th); 2015, ApJS, 217, 32

- 37 **The Mass Profile and Shape of Bars in the Spitzer Survey of Stellar Structure in Galaxies (S4G): Search for an Age Indicator for Bars**
Kim, T., + 26 coauthors (Muñoz-Mateos 13th); 2015, ApJ, 799, 99
- 38 **Cool dust heating and temperature mixing in nearby star-forming galaxies**
Hunt, L. K., + 22 coauthors (Muñoz-Mateos 18th); A&A, 576, 33
- 39 **Morphology and environment of galaxies with disc breaks in the S4G and NIRS0S**
Laine, J., + 18 coauthors (Muñoz-Mateos 9th); 2014, MNRAS, 441, 1992
- 40 **Reconstructing the Stellar Mass Distributions of Galaxies Using S4G IRAC 3.6 and 4.5 μm Images. II. The Conversion from Light to Mass**
Meidt, S., + 28 coauthors (Muñoz-Mateos 10th); 2014, ApJ, 788, 144
- 41 **PACS photometry of the Herschel Reference Survey. Far-IR/submillimetre colours as tracers of dust properties in nearby galaxies**
Cortese, L., + 28 coauthors (Muñoz-Mateos 20th); 2014, MNRAS, 440, 942
- 42 **Unveiling the Structure of Barred Galaxies at 3.6 μm with the Spitzer Survey of Stellar Structure in Galaxies (S4G). I. Disk Breaks**
Kim, T., + 26 coauthors (Muñoz-Mateos 15th); 2014, ApJ, 782, 64
- 43 **ARRAKIS: atlas of resonance rings as known in the S4G**
Comerón, S., + 21 coauthors (Muñoz-Mateos 12th); 2014, A&A, 562, 121
- 44 **Embedded Star Formation in S4G Galaxy Dust Lanes**
Elmegreen, D. M., + 24 coauthors (Muñoz-Mateos 20th); 2014, ApJ, 780, 32
- 45 **X-ray Nuclear Activity in S4G Barred Galaxies: No Link Between Bar Strength and Co-occurrent Supermassive Black Hole Fueling**
Cisternas, M., + 25 coauthors (Muñoz-Mateos 24th); 2013, ApJ, 776, 50
- 46 **On the Origin of Lopsidedness in Galaxies as Determined from the Spitzer Survey of Stellar Structure in Galaxies (S4G)**
Zaritsky, D., + 25 coauthors (Muñoz-Mateos 22nd); 2013, ApJ, 772, 135
- 47 **H α Kinematics of S4G spiral galaxies I. NGC 864**
Erroz-Ferrer, S., + 24 coauthors (Muñoz-Mateos 10th); 2012, MNRAS, 427, 2938
- 48 **A unified picture of breaks and truncations from SDSS and S4G imaging**
Martín-Navarro, I., + 23 coauthors (Muñoz-Mateos 20th); 2012, MNRAS, 427, 1102
- 49 **Breaks in thin and thick discs of edge-on galaxies imaged in the Spitzer Survey of Stellar Structure in Galaxies (S4G)**
Comerón, S., + 19 coauthors (Muñoz-Mateos 20th); 2012, ApJ, 759, 98
- 50 **Early type galaxies with tidal debris and their scaling relations in the Spitzer Survey of Stellar Structure in Galaxies (S4G)**
Kim, T., + 23 coauthors (Muñoz-Mateos 15th); 2012, ApJ, 753, 43
- 51 **Reconstructing the stellar mass distributions of galaxies using S4G IRAC 3.6 and 4.5 μm images: I. Correcting for contamination by PAH, hot dust, and intermediate age stars**
Meidt, S., + 25 coauthors (Muñoz-Mateos 20th); 2012, ApJ, 744, 17
- 52 **Thick disks of edge-on galaxies seen through the Spitzer Survey of Stellar Structure in Galaxies (S4G): Lair of missing baryons?**
Comerón, S., + 23 coauthors (Muñoz-Mateos 15th); 2011, ApJ, 741, 28

- 53 **The unusual vertical mass distribution of NGC 4013 seen through the Spitzer Survey of Stellar Structure in Galaxies (S4G)**
Comerón, S., +22 coauthors (Muñoz-Mateos 8th); 2011, ApJ, 738, 17
- 54 **Grand Design and Flocculent Spirals in the Spitzer Survey of Stellar Structure in Galaxies (S4G)**
Elmegreen, D. M., +28 coauthors (Muñoz-Mateos 25th); 2011, ApJ, 737, 32
- 55 **The Thick Disk in the Galaxy NGC 4244 from S4G Imaging**
Comerón, S., + 18 coauthors (Muñoz-Mateos 8th); 2011, ApJ, 729, 18
- 56 **Formation and evolution of dwarf early-type galaxies in the Virgo cluster. I. Internal kinematics**
Toloba, E.; Boselli, A.; Cenarro, A. J.; Peletier, R. F.; Gorgas, J.; Gil de Paz, A.; Muñoz-Mateos, J. C.; 2011, A&A, 526, 114
- 57 **Mid-infrared Galaxy Morphology from the Spitzer Survey of Stellar Structure in Galaxies (S4G): The Imprint of the De Vaucouleurs Revised Hubble-Sandage Classification System at 3.6 μm**
Buta, R., + 20 coauthors (Muñoz-Mateos 7th); 2010, ApJS, 190, 147
- 58 **On the buildup of massive early-type galaxies at $z < 1$. I. Reconciling their hierarchical assembly with mass downsizing**
Eliche-Moral, M. C.; Prieto, M.; Gallego, J.; Barro, G.; Zamorano, J.; López-Sanjuan, C.; Balcells, M.; Guzmán, R.; Muñoz-Mateos, J. C.; 2010, A&A, 519, 55
- 59 **Analysis of galaxy spectral energy distributions from far-UV to far-IR with CIGALE: studying a SINGS test sample**
Noll, S.; Burgarella, D.; Giovannoli, E.; Buat, V.; Marcillac, D.; Muñoz-Mateos, J. C.; 2009, A&A, 507, 1793

Meetings and Conference Proceedings (excluding invited talks, see above)

- Mar 2016 "IAUS 321: Formation and Evolution of Galaxy Outskirts", Toledo, Spain
Talk: *The origin of stellar breaks as probed by S4G*
- Jun 2015 "European Week of Astronomy and Space Science", Tenerife, Spain
Talk: *The origin of stellar breaks at large radii as probed by S4G*
- Oct 2014 "The Formation and Evolution of Exponential Disks in Galaxies", Flagstaff, USA
Talk: *The origin of stellar breaks at large radii as probed by S4G*
- Nov 2013 "Deconstructing Galaxies: Structure and Morphology in the Era of Large Surveys", Santiago, Chile
Talk: *The impact of bars on disk breaks as probed by S4G*
- May 2013 "The Role of Bars in Galaxy Evolution", Granada, Spain
Talk: *The impact of bars on disk breaks as probed by S4G*
- Apr 2013 "9th NRAO Postdoc Symposium", Greenbank, USA
Talk: *The impact of bars on disk breaks as probed by S4G*
- Jan 2013 "221st Meeting of the American Astronomical Society", Long Beach, US
Talk: *The impact of bars on disk breaks as probed by S4G*

- Jan 2013 “221st Meeting of the American Astronomical Society”, Long Beach, USA
Talk: *Surface photometry at 3.6 and 4.5 microns for the S4G sample: mapping the old stellar backbone of galaxies*
- Sep 2012 “The ISM in High Redshift Galaxies Comes of Age”, Charlottesville, USA
- Jul 2012 “10th Meeting of the Spanish Astronomical Society”, Valencia, Spain
Poster: *The impact of bars on disk breaks as probed by S4G*
- Jun 2012 “COSMOS 2012 Meeting”, Washington DC, USA
Talk: *A star’s hitchhikers guide to riding galaxy breaks: S4G and COSMOS results*
- Mar 2012 “8th NRAO Postdoc Symposium”, Socorro, USA
Talk: *A star’s hitchhikers guide to riding galaxy breaks: results from S4G*
- Apr 2011 “7th NRAO Postdoc Symposium”, Charlottesville, USA
Talk: *Nearby spiral galaxies as fossil records of disk evolution*
- Jan 2011 “217th Meeting of the American Astronomical Society”, Seattle, USA
Talk: *Analysis of the spatial distribution of stars, gas and dust in nearby galaxies*
- Feb 2010 “Infrared Emission, Interstellar Medium and Star Formation”, Heidelberg, Germany
Talk: *Spatial distribution of stars, dust and gas in the SINGS galaxies*
- Oct 2009 “Third Consolider-GTC meeting”, Cádiz, Spain
- Sep 2009 ASTRID: Scientific and technological challenges in the development of astronomical instrumentation: E-ELT and ALMA
- Jun 2009 “214th Meeting of the American Astronomical Society”, Pasadena, USA
Poster: *Spatial distribution of stars, dust and gas in nearby galaxies: IFU spectroscopy of NGC 4654*
- Nov 2008 “4th MAGPOP Network meeting”, Paris, France
Talk: *Radial distribution of dust properties in the SINGS galaxies*
- Jul 2008 “VIII Meeting of the Spanish Astronomical Society”, Santander, Spain
Talk: *Radial distribution of dust properties in nearby galaxies*
- Feb 2008 “First Consolider-GTC meeting”, El Escorial, Spain
- Oct 2007 “Formation and evolution of galaxy disks”, Rome, Italy
Poster: *Spatially resolved spectral energy distributions of nearby galaxies*
- May 2007 “ASTRID. Development of astronomical instrumentation: future scientific and technological challenges”, Madrid, Spain
- Dec 2006 “2nd MAGPOP Network meeting”, La Palma, Spain
Talk: *Specific SFR profiles in nearby spiral galaxies*
- Sep 2006 “VII Meeting of the Spanish Astronomical Society”, Barcelona, Spain
Talk: *Specific SFR profiles in nearby spiral galaxies: quantifying the inside-out formation of disks*
- Feb 2006 “1st MAGPOP Network Meeting”, Toledo, Spain
Talk: *Specific SFR profiles in nearby spiral galaxies*