

Laura Ferrarese

Curriculum Vitae
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Personal Details

Name Laura Ferrarese
Date of Birth December 7, 1965
Citizenship Italian and Canadian
Current Position Principal Research Officer
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Education

1996 Ph.D. (Physics), Johns Hopkins University, Baltimore, MD, USA
1992 Master of Arts (Physics), Johns Hopkins University, Baltimore, MD, USA.
1989 Laurea degree (Astrophysics), Università di Padova, Italy

Employment History

2004 – present Principal Research Officer, Herzberg Astronomy and Astrophysics Research Centre,
National Research Council, Canada (on leave July 2017 - October 2018).
2017 – 2018 Director, Gemini Observatory, Hawai'i, USA
2005 – present Adjunct Associate Professor, University of Victoria, Canada
2003 – 2014 Visiting Professor, Università di Padova, Italy
2000 – 2004 Associate Professor, Rutgers University, New Jersey, USA
1999 – 2000 Research Astronomer, University of California Los Angeles, California, USA
1996 – 1999 Hubble Postdoctoral Fellow, California Institute of Technology, California, USA

Notable Scientific Achievements

- **Active Galactic Nuclei and Supermassive Black Holes.** I used Hubble Space Telescope (HST) data to publish some of the first detections of supermassive black holes (SBH) in galactic nuclei (Ferrarese et al. 1996, *ApJ* 470, 444; Ferrarese et al. 1999, *ApJ*, 515, 583), and to argue that SBHs play a critical role in the cosmic growth and evolution of galaxies (Ferrarese & Ford, 2004, *SpScRev*, 116, 523; Ferrarese 2002, *ApJ*, 578, 90; Ferrarese & Merritt 2000, *ApJL*, 539 9). The latter is the most cited astrophysics paper in 2000, and the 69th most cited paper ever published in astrophysical journals.
- **Galaxy Morphology and Dynamics.** As part of the HST/ACS Virgo and Fornax Cluster Surveys collaboration, I used the structural properties of galaxies to challenge the then accepted paradigm that giant and dwarf galaxies belong to disjointed populations (Ferrarese et al. 2005, *ApJ*, 164, 334), and to demonstrate that the fundamental connection between SBHs and their host galaxies extends to compact stellar nuclei (Ferrarese et al., 2006, *ApJ*, 165, 17). As Principal Investigator of the CFHT Next Generation Virgo Cluster Survey (NGVS), my team and I discovered and studied, for the first time beyond the local volume, faint galaxies whose properties are key to test and refine cosmological models and the properties of dark matter (Ferrarese et al. 2016, *ApJ*, 824, 10).
- **The Extragalactic Distance Scale.** As a member of the Hubble Key Project on the Extragalactic Distance Scale, I have worked to calibrate distances to nearby galaxies (e.g. Ferrarese et al. 2000, *ApJ*, 529, 745), ultimately leading to measuring the Hubble Constant and the age of the universe with a then unprecedented 10% precision. The paper summarizing the Key Project results (Freedman et al. 2001, *ApJ*, 553, 47) is the 98th most cited astronomy publication of the past century.

Notable Administrative/Management Experience

- **Director, Gemini Observatory (2017-2018).** Gemini — a pair of 8-metre twin telescopes located on Maunakea, Hawai'i, and Cerro Pachon, Chile — is an international partnership (including the US, Canada, Chile, Argentina, Brazil, and the Republic of Korea) funded through the NSF and managed by the Association of Universities for Research in Astronomy (AURA). As Director, I supervised a team of 180 employees (including administrative and technical staff, students, postdoctoral fellows, engineers, and research scientists) and managed an annual operating budget of US\$28M.
- **President, Canadian Astronomical Society (CASCA, 2012-2014).** With nearly 550 members, CASCA is Canada's association of professional astronomers (including students and postdoctoral fellows), and is charged with “the planning and realization of scientific projects, [and] the support of the scientific activities of its members” (<https://casca.ca/>).
- **Vice-President, International Astronomical Union (IAU, 2018-present).** The IAU mission is “to promote and safeguard the science of astronomy in all its aspects, including research, communication, education and development, through international cooperation”. The IAU counts close to 14,000 members in 107 countries.
- **Board of Directors.** I have or have been on the Board of Directors for the Gemini Observatory, the Canada France Hawai'i Telescope (CFHT), the Association of Universities for Research in Astronomy (AURA) and the Canadian Association of Universities for Research in Astronomy (ACURA). Additionally, I have been a member and/or chaired several National and International management committees, as listed in the next section.

Professional Associations and Committees (last 10 years)

2017 – present	American Astronomical Society (AAS)	Affiliations
2006 – present	International Astronomical Union (IAU)	
2004 – present	Canadian Astronomical Society (CASCA)	
2020 – present	Chair, Board of Directors, Gemini Observatory	Selected Committees
2019 – present	Laser Interferometer Gravitational-Wave Observatory (LIGO) Program Advisory Council	
2019 – 2020	NSF’s National Optical Infrared Astronomy Research Laboratory (OIR Lab) Management Oversight Council	
2018 – present	Vice-president, International Astronomical Union (IAU)	
2018 – present	Chair, Maunakea Spectroscopic Explorer (MSE) Management Group	
2015 – present	Board of Directors, Canada-France-Hawai’i Telescope (CFHT)	
2018 – present	CASCA/ACURA TMT Advisory Committee (CATAC)	
2008 – present	Science Management Team, Canadian Advanced Network for Astronomical Research (CANFAR)	
2017 – 2018	Executive Committee, NSF’s National Optical Infrared Astronomy Research Laboratory (OIR Lab)	
2016 – 2017	National Research Council of Canada (NRC) “Excellence in Emerging and Advanced Science” Dialogue Tiger Team	
2015 – 2017	Board of Directors, Association of Universities for Research in Astronomy (AURA)	
2014 – 2017	Chair, AURA Oversight Council for Gemini	
2014 – 2015	Chair, CASCA/ACURA TMT Planning Committee	
2012 – 2014	President, Canadian Astronomical Society (CASCA)	
2012 – 2014	Chair, IAU National Committee for Astronomy	
2012 – 2016	CASCA’s Long Range Plan Implementation Committee	
2012 – 2014	Board of Directors, Association of Canadian Universities for Research in Astronomy (ACURA)	
2012 – 2014	Co-Chair, Coalition for Canadian Astronomy	
2009 – 2012	Chair, CASCA/CSA’s Joint Committee for Space Astronomy	
2017 – present	Maunakea Spectroscopy Explorer (MSE) Science Team	Science Teams
2005 – present	James Webb Space Telescope (JWST) NIRCAM Science Team	
2005 – present	James Webb Space Telescope (JWST) NIRISS Science Team	
2009 – 2012	‘IMAKA Science Team	
2010 – 2011	Chief Scientist, <i>High-z</i> (proposed NASA Explorer Mission)	
2019	SOFIA 5 Year Flagship Mission Review Panel	Review Panels
2016	Southern African Large Telescope 5-year Review Panel	
2016	Chandra X-Ray Observatory Senior Review Panel	
2011	Giant Magellan Telescope Instrument Review Panel	
2011 and 2016	Chair, Hubble Space Telescope (HST) time allocation committee.	
2010 – 2012	Chair, European Southern Observatories (ESO) time allocation committee	

Prizes and Awards

2020	Fellow, Royal Society of Canada
2015	CASCA Peter G. Martin Award
2014	CASCA/Royal Astronomical Society of Canada (RASC) Helen Sawyer Prize
2012	Queen Elizabeth II Diamond Jubilee Medal
2009	Thomson Reuters' ISI Web of Knowledge Highly Cited Researcher
1999	NASA Long Term Space Astrophysics (LTSA) Award
1996	Hubble Postdoctoral Fellowship

Presentations (last 10 years)

2015	CASCA Martin Lecture
2014	CASCA/RASC Helen Sawyer Hogg Lecture
2013	Whitford Lecture at the University of Wisconsin-Madison
2013	Distinguished Lecturer at the University of Waterloo

Canada	University of Manitoba, Origins Institute, McMaster University; University of Toronto; University of British Columbia; University of Victoria; University of Waterloo; McGill University; Queen's University; University of Alberta.
USA	National Radio Astronomy Observatory (Charlottesville), Johns Hopkins University; University of California Santa Cruz; Institute for Astronomy, University of Hawai'i; Columbia University; Stanford University; California Institute of Technology; Jet Propulsion Laboratory; University of Colorado; Harvard University; Ohio State University; University of Washington; University of Chicago; University of California, Los Angeles; University of Minnesota; University of Florida; Washington State University; Drexel University; NRAO (Socorro); New Mexico State University; San Francisco State University; San Diego State University.
Asia and Europe	Yonsei University, Seoul, Korea; Institute for Theoretical Physics, Universität Innsbruck; Università degli studi di Padova; Università degli studi di Bologna; Leiden University; Observatoire de Paris (Meudon).

2019	Kona, Hawai'i – Subaru 20th Anniversary Meeting
	Rome, Italy – Extremely Big Eyes on the Early Universe
2018	Tokyo, Japan – Subaru User Meeting
	Daejeon, Korea – K-GMT Science Program Users Meeting
2017	Tokyo, Japan – Subaru International Partnership Workshop
2016	Munich, Germany – Active Galactic Nuclei: What's in a Name?
2015	Honolulu, Hawai'i – IAUS 317: The General Assembly of Galaxy Halos: Structure, Origin and Evolution
	Tenerife, Spain – The Journey of Dwarf Galaxies
2014	Leiden, the Netherlands – Nuclear Clusters in Galaxies, and the Role of the Environment
2013	Santiago, Chile – Deconstructing Galaxies.
	Campbell River, Canada – CFHT Users' Meeting

Prize Lectures

Seminars and Colloquia

Invited Talks at International Conferences

- 2012 Munich, Germany – Science from the Next Generation Imaging and Spectroscopic Surveys
- 2011 Lisbon, Portugal – AGN Research with the ELT
Munich, Germany – Fornax, Virgo, Coma et al.
- 2010 Taipei, Taiwan – 2010 CFHT User Meeting.
Venice, Italy – HST: Two Decades and Counting.
Seoul, Korea – Galaxy Formation Forum
Munich, Germany – Central Massive Objects: The Stellar Nuclei - Black Hole Connection

Invited Talks

Galileo Lecturer for the 2009 International Year of Astronomy (seven public talks given across Canada). Several talks given at the Royal Astronomical Society of Canada (Victoria) and other amateur astronomy organizations in Canada, the US and Italy.

Outreach

Didactical Experience

- 2007 *Physics 580: Topics in Galaxies* University of Victoria. Graduate class, four lectures.
- 2007 *The Nature of Galactic Cores:* Università di Padova, Italy. Upper level undergraduate astrophysics lectures.
- 2005 *Galactic Dynamics and the Evolution of Supermassive Black Holes:* Università di Padova, Italy, May 2003 and 2005. Upper level undergraduate astrophysics lectures.
- 2004 *Physics 441/541: Stars and Star Formation.* Rutgers University. Graduate class.
- 2003 *Observational Evidence for Supermassive Black Holes:* SIGRAV School on Contemporary Relativity and Gravitational Physics, Como, Italy. Upper level graduate lectures.
- 2003 *Physics 110: Astronomy and Cosmology (Stars and Galaxies)* Rutgers University. Undergraduate class
- 2002 *Physics 109: Astronomy and Cosmology (The Solar System)* Rutgers University. Undergraduate class.

Teaching

During my four years as a Professor at Rutgers University, I supervised two PhD students, one postdoctoral fellow, and one master student. After moving to NRC (a non degree granting institution) I continued to supervise and mentor postdoctoral fellows and undergraduate co-op students, the latter mostly associated with McMaster University, the University of British Columbia, and the University of Victoria. Additionally, I have been fortunate enough to supervise two PhD students through my appointment as an Adjunct Professor at the University of Victoria.

Mentoring

Publications

[Note: a full list, including conference proceedings, can be found at the SAO/NASA Astronomy Data Service: <https://ui.adsabs.harvard.edu/classic-form>]

Total citations: 24,219; h-index: 68

194. Lim, S., Côté, P., Peng, E.W., Ferrarese, L., et al. 2020, ApJ, 899, 69, The Next Generation Virgo Cluster Survey (NGVS). XXX. Ultra-diffuse Galaxies and Their Globular Cluster Systems
193. Zhang, H.-X., et al. (including **Ferrarese, L.**) 2020, ApJ, in press, The Blue Compact Dwarf Galaxy VCC 848 Formed by Dwarf-Dwarf Merging: HI Gas, Star Formation and Numerical Simulations
192. Liu, C., et al. (including **Ferrarese, L.**) 2020, ApJ, in press, The Next Generation Virgo Cluster Survey. XXXIV. Ultra-Compact Dwarf (UCD) Galaxies in the Virgo Cluster
191. Yuan, W., et al. (including **Ferrarese, L.**) 2020, ApJ, in press, The Cepheid Distance to the Seyfert 1 Galaxy NGC 4151
190. Zhang, H.-X., et al. (including **Ferrarese, L.**) 2020, ApJ, 891, 23, The Blue Compact Dwarf Galaxy VCC 848 Formed by Dwarf-Dwarf Merging
189. Ciesla, L., et al. (including **Ferrarese, L.**) 2020, A&A, 635, 27, A hyper luminous starburst at $z = 4.72$ magnified by a lensing galaxy pair at $z = 1.48$
188. Li, C., et al. (including **Ferrarese, L.**) 2020, MNRAS, 492, 2775, A discrete chemo-dynamical model of M87's globular clusters: Kinematics extending to ~ 400 kpc
187. **Ferrarese, L.**, et al. 2020, ApJ, 890, 128: The Next Generation Virgo Cluster Survey (NGVS). XIV. The Discovery of Low-mass Galaxies and a New Galaxy Catalog in the Core of the Virgo Cluster
186. Boselli, A., et al. (including **Ferrarese, L.**), 2000, A&A, 634, 1, A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). VI. Environmental quenching on HII-region scales
185. Thomas, G.F. et al. (including **Ferrarese, L.**) 2019, ApJ, 886, 10: Dwarfs or Giants? Stellar Metallicities and Distances from ugrizG Multiband Photometry
184. Bentz, M.C., **Ferrarese, L.**, Onken, C.A., Peterson, B.M., Valluri, M. 2019, ApJ, 885, 161: A Cepheid-based Distance to the Seyfert Galaxy NGC 6814
183. Sun, W., Peng, E.W., Ko, Y., Côté, P., **Ferrarese, L.**, et al. 2019, ApJ, 885, 145: The Next Generation Virgo Cluster Survey. XVII. A Search for Planetary Nebulae in Virgo Cluster Globular Clusters

182. Rong, Y, Puzia, T. H., Eigenthaler, P., et al. (including **Ferrarese, L.**) 2019, ApJ, 883, 56: The Next Generation Fornax Survey (NGFS). VI. The Alignment of Dwarf Galaxies in the Fornax Cluster
181. Sánchez-Janssen, R., Côté, P., **Ferrarese, L.**, et al. 2019, ApJ, 878, 18: The Next Generation Virgo Cluster Survey. XXIII. Fundamentals of Nuclear Star Clusters over Seven Decades in Galaxy Mass
180. Liu, Y., Peng, E.W., Jordán, A., Blakeslee, J.P.; Côté, P., **Ferrarese, L.**, Puzia, T.H. 2019 ApJ, 875,156: The ACS Fornax Cluster Survey. III. Globular Cluster Specific Frequencies of Early-type Galaxies
179. Lee, N., Gallo, E., Hodges-Kluck, E., Côté, P., **Ferrarese, L.**, et al. 2019, ApJ, 874, 77: Sub-Eddington Supermassive Black Hole Activity in Fornax Early-type Galaxies
178. Boselli, A.; Fossati, M.; Longobardi, A., et al. (including **Ferrarese, L.**) 2019, A&A, 623, 52: A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). V. Properties of the ionised gas filament of M 87
177. Sánchez-Janssen, R., Puzia, T. H., **Ferrarese, L.**, Côté, P., Eigenthaler, P., Miller, B., Ordenes-Briceno, Y., Peng, E. W., Ribbeck, K. X., Roediger, J, et al. 2019, MNRAS, 486, 1: How nucleation and luminosity shape faint dwarf galaxies
176. Boselli, A., Fossati, M., Consolandi, G., Amram, P., Ge, C., Sun, M., Anderson, J. P., Boissier, S., Boquien, M., Buat, V., et al. (including **Ferrarese, L.**), 2018, A&A, 620, 164: A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). IV. A tail of ionised gas in the merger remnant NGC4424
175. Longobardi, A., Peng, E. W., Côté, P., Mihos, J. C., **Ferrarese, L.**, Puzia, T. H., Lançon, A., Zhang, H.-X., Muñoz, R. P., Blakeslee, J. P. Et al. 2018, ApJ, 864, 36: The Next Generation Virgo Cluster Survey (NGVS). XXXI. The Kinematics of Intracluster Globular Clusters in the Core of the Virgo Cluster
174. Boselli, A., Fossati, M., Cuillandre, J. C., Boissier, S., Boquien, M., Buat, V., Burgarella, D., Consolandi, G., Cortese, L., Côté, P., **Ferrarese, L.**, et al. 2018, A&A 615, 114: A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). III. Star formation in the stripped gas of NGC 4254
173. de Boer, T. J. L., Belokurov, V., Kuposov, S. E., **Ferrarese, L.**, Erkal, D., Côté, P., Navarro, J. F., MNRAS, 477, 1893: A deeper look at the GD1 stream: density variations and wiggles
172. Ordenes-Briceno, Yasna, Puzia, Thomas H., Eigenthaler, Paul, et al (including **Ferrarese, L.**) 2018, ApJ, 860, 4: The Next Generation Fornax Survey (NGFS). IV. Mass and Age Bimodality of Nuclear Clusters in the Fornax Core Region
171. Fossati, M., Mendel, J. T., Boselli, A., Cuillandre, J. C., Vollmer, B., Boissier, S., Consolandi, G., **Ferrarese, L.**, Gwyn, S., Amram, P. 2018, A&A, 614, 57: A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). II. Constraining the quenching time in the stripped galaxy NGC 4330

170. Boselli, A., Fossati, M., **Ferrarese, L.**, Boissier, S., Consolandi, G., Longobardi, A., Amram, P., Balogh, M., Barmby, P., Boquien, M. 2018, *A&A*, 614, 56: A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). I. Introduction to the survey
169. Ordenes-Briceño, Yasna, Eigenthaler, Paul, Taylor, Matthew A. et al. (including **Ferrarese, L.**) 2018, *ApJ*, 859, 52: The Next Generation Fornax Survey (NGFS). III. Revealing the Spatial Substructure of the Dwarf Galaxy Population Inside Half of Fornax's Virial Radius
168. Zhang, Hong-Xin, Puzia, Thomas H., Peng, Eric W., Liu, Chengze, Côté, Patrick, **Ferrarese, Laura**, et al. 2018, *ApJ*, 858, 37: Stellar Population Properties of Ultracompact Dwarfs in M87: A Mass–Metallicity Correlation Connecting Low-metallicity Globular Clusters and Compact Ellipticals
167. Toloba, Elisa, Lim, Sungsoon, Peng, Eric, Sales, Laura V., Guhathakurta, Puragra, Mihos, J. Christopher, Côté, Patrick, Boselli, Alessandro, Cuillandre, Jean-Charles, **Ferrarese, Laura** 2018, *ApJ*, 856, 31: Dark Matter in Ultra-diffuse Galaxies in the Virgo Cluster from Their Globular Cluster Populations
166. Cantiello, Michele, Blakeslee, John P., **Ferrarese, Laura**, Côté, Patrick, Roediger, Joel, et al. 2018, *ApJ*, 856, 126: The Next Generation Virgo Cluster Survey (NGVS). XVIII. Measurement and Calibration of Surface Brightness Fluctuation Distances for Bright Galaxies in Virgo (and Beyond)
165. Shipley, Heath V., Lange-Vagle, Daniel, Marchesini, Danilo, Brammer, Gabriel B., **Ferrarese, Laura**, Stefanon, Mauro, et al. 2018, *ApJS*, 235, 14: HFF-DeepSpace Photometric Catalogs of the 12 Hubble Frontier Fields, Clusters, and Parallels: Photometry, Photometric Redshifts, and Stellar Masses
164. Powalka, Mathieu, Puzia, Thomas H., Lançon, Ariane, Longobardi, Alessia, Peng, Eric W. et al. (including **Ferrarese, L.**) 2018, *ApJ*, 856, 84: The Next Generation Virgo Cluster Survey (NGVS). XXXII. A Search for Globular Cluster Substructures in the Virgo Galaxy Cluster Core
163. Eigenthaler, Paul, Puzia, Thomas H., Taylor, Matthew A., Ordenes-Briceño, Yasna, Muñoz, Roberto P., Ribbeck, Karen X., Alamo-Martínez, Karla A., Zhang, Hongxin, Ángel, Simón, Capaccioli, Massimo, Ferrarese, Laura, et al. 2018, *ApJ*, 855, 142: The Next Generation Fornax Survey (NGFS). II. The Central Dwarf Galaxy Population
162. Boissier, S., Cucciati, O., Boselli, A., Mei, S., **Ferrarese, L.** 2017, *A&A*, 611, 42: The GALEX Ultraviolet Virgo Cluster Survey (GUViCS). VII. Brightest cluster galaxy UV upturn and the FUV-NUV color up to redshift 0.35
161. Spengler, Chelsea, Côté, Patrick, Roediger, Joel, **Ferrarese, Laura**, Sánchez-Janssen, Rubén, et al. 2017, *ApJ*, 849, 55: Virgo Redux: The Masses and Stellar Content of Nuclei in Early-type Galaxies from Multiband Photometry and Spectroscopy

160. Parroni, Carolina, Mei, Simona, Erben, Thomas, Van Waerbeke, Ludovic, Raichoor, Anand, et al. (including **Ferrarese, L.**) 2017, *ApJ*, 848, 114: Next Generation Virgo Cluster Survey. XXI. The Weak Lensing Masses of the CFHTLS and NGVS RedGOLD Galaxy Clusters and Calibration of the Optical Richness
159. Powalka, Mathieu, Lançon, Ariane, Puzia, Thomas H., Peng, Eric W., Liu, Chengze, Muñoz, Roberto P., Blakeslee, John P., Côté, Patrick, **Ferrarese, Laura**, Roediger, Joel, 2017, *ApJ*, 844, 104: The Next Generation Virgo Cluster Survey (NGVS). XXVI. The Issues of Photometric Age and Metallicity Estimates for Globular Clusters
158. Ouellette, Nathalie N.-Q., Courteau, Stéphane, Holtzman, Jon A., Dutton, Aaron A., Cappellari, Michele, et al. (including **Ferrarese, L.**) 2017, *ApJ*, 843, 74: The Spectroscopy and H-band Imaging of Virgo Cluster Galaxies (SHIVir) Survey: Scaling Relations and the Stellar-to-total Mass Relation
157. Fantin, Nicholas J., Côté, Patrick, Hanes, David A., Gwyn, S. D. J., Bianchi, Luciana, **Ferrarese, Laura**, Cuillandre, Jean-Charles, McConnachie, Alan, Starkenburg, Else 2017, *ApJ*, 843, 53: The Next Generation Virgo Cluster Survey. XXVIII. Characterization of the Galactic White Dwarf Population
156. Liu, Chengze, Peng, Eric W., Côté, Patrick, Ferrarese, Laura, Jordán, Andrés, Mihos, J. Christopher, Zhang, Hong-Xin, Muñoz, R. et al. 2017 *ApJ*, 836, 147
155. **Ferrarese, L.**, Côté, P, et al., 2017, *ApJ*, in press: The Next Generation Virgo Cluster Survey (NGVS). XIV. The Discovery of Low Mass Galaxies and a New Galaxy Catalog in the Core of the Virgo Cluster
154. Roediger, J.C., **Ferrarese, L.**, Côté, P., et al. 2017, *ApJ*, 836,120: The Next Generation Virgo Cluster Survey (NGVS). XXIV. The Red Sequence to $\sim 10^6 L_{\odot}$ and Comparisons with Galaxy Formation Models
153. Paudel, S., Smith, R., Duc, P.A., Côté, P., Cuillandre, J.C., **Ferrarese, L.**, et al. 2017, *ApJ*, 834, 66: The Next Generation Virgo Cluster Survey. XXII. Shell Feature Early-type Dwarf Galaxies in the Virgo Cluster
152. Powalka, M., Lançon, A., Puzia, T.H., Peng, E. W., Liu, C., Muñoz, R. P., Blakeslee, J. P., Côté, P., **Ferrarese, L.**, et al. 2016, *ApJ*, 227, 12: The Next Generation Virgo Cluster Survey (NGVS). XXV. Fiducial Panchromatic Colors of Virgo Core Globular Clusters and Their Comparison to Model Predictions
151. Liu, Y., Peng, E. W., Lim, S., Jordán, A., Blakeslee, J., Côté, P., **Ferrarese, L.**, Pattarakijwanich, P. 2016, *ApJ*, 830, 99: The ACS Fornax Cluster Survey. XII. Diffuse Star Clusters in Early-type Galaxies
150. Boissier, S., Boselli, A., **Ferrarese, L.**, et al. 2016, *A&A*, 593, 126: The properties of the Malin 1 galaxy giant disk. A panchromatic view from the NGVS and GUViCS surveys
149. Powalka, M., Puzia, T. H., Lançon, A., et al. 2016, *ApJ*, 829, 5: New Constraints on a Complex Relation between Globular Cluster Colors and Environment

148. Licitra, R., Mei, S., Raichoor, A., et al. 2016, *ApJ*, 829, 44: The Next Generation Virgo Cluster Survey. XX. RedGOLD Background Galaxy Cluster Detections
147. **Ferrarese, L.**, Côté, P, et al., 2016, *ApJ*, 824, 10: The Next Generation Virgo Cluster Survey (NGVS). XIII. The Luminosity and Mass Function of Galaxies in the Core of the Virgo Cluster and the Contribution from Disrupted Satellites
146. Toloba, E., Li, B., Guhathakurta, P., Peng, E.W., **Ferrarese, L.**, et al. 2016, *ApJ*, 822, 51: The Next Generation Virgo Cluster Survey XVI: The Angular Momentum of Dwarf Early-type Galaxies from Globular Cluster Satellites
145. Shankar, F., Bernardi, M., Sheth, R.K., **Ferrarese, L.**, et al., 2016, *MNRAS*, 460, 3119: Selection bias in dynamically-measured super-massive black holes: its consequences and the quest for the most fundamental relation
144. Sanchez-Janssen, R., **Ferrarese, L.**, MacArthur, L.A., et al. 2016, *ApJ*, 820, 69: The Next Generation Virgo Cluster Survey. VII. The Intrinsic Shapes of Low-luminosity Galaxies in the Core of the Virgo Cluster, and a Comparison with the Local Group
143. Lokhorst, D., Starkeburg, E., McConnachie, A.W., Navarro, J., **Ferrarese, L.**, et al. 2016, *ApJ*, 819, 124: The Next Generation Virgo Cluster Survey. XIX. Tomography of Milky Way Substructures in the NGVS Footprint
142. Boselli, A., Cuillandre, J. C., Fossati, M., Boissier, S., Bomans, D., Consolandi, G., Anselmi, G., Cortese, L., Côté, P., Durrell, P., **Ferrarese, L.**, Fumagalli, M., Gavazzi, G., Gwyn, S., Hensler, G., Sun, M., Toloba, E. 2016, *A&A*, 587, 68: Spectacular tails of ionized gas in the Virgo cluster galaxy NGC 4569
141. Liu, Y., Peng, E.W., Blakeslee, J., Côté, P., **Ferrarese, L.**, Jordán, A., Puzia, T.H., Toloba, E., Zhang, H-X. 2016, *ApJ*, 818, 179: Evidence for the Rapid Formation of Low-mass Early-type Galaxies in Dense Environments
140. Boselli, A., Boissier, S., Voyer, E., **Ferrarese, L.**, Consolandi, G., Cortese, L., Côté, P., Cuillandre, J. C., Gavazzi, G., Gwyn, S., et al. 2016, *A&A*, 585, 2: The GALEX Ultraviolet Virgo Cluster Survey (GUViCS). VI. The UV luminosity function of the Virgo cluster and its surrounding regions.
139. Smith, R., Sánchez-Janssen, R., Beasley, M. A., Candlish, G. N., Gibson, B. K., Puzia, T. H., Janz, J., Knebe, A., Aguerri, J. A. L., Lisker, T., Hensler, G., Fellhauer, M., **Ferrarese, L.**, Yi, S. K., 2015, *MNRAS*, 454, 2502: The sensitivity of harassment to orbit: mass loss from early-type dwarfs in galaxy clusters
138. Jordán, Andrés, Peng, Eric W., Blakeslee, John P., Côté, Patrick, Eyheramendy, Susana, **Ferrarese, Laura**, 2015, *ApJS*, 221, 13: The ACS Fornax Cluster Survey. XI. Catalog of Globular Cluster Candidates

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