

Henry C. Ferguson

Papers in Refereed Journals

Population Studies in Groups and Clusters of Galaxies I: The Luminosity Function of Galaxies in the Fornax Cluster. Ferguson, H. C., and Sandage, A., 1988, AJ, 96, 1520.

Population Studies in Groups and Clusters of Galaxies II: A Catalog of Galaxies in the Central 3.5 degrees of the Fornax Cluster. Ferguson, H. C., 1989, AJ, 98, 367.

The Spatial Distributions and Intrinsic Shapes of Dwarf Elliptical Galaxies in the Virgo and Fornax Clusters. Ferguson, H. C., and Sandage, A., 1989, ApJ, 346, L53.

Population Studies in Groups and Clusters of Galaxies III: A Catalog of Galaxies in Five Nearby Groups. Ferguson, H. C., and Sandage, A., 1990, AJ, 100, 1.

Population Studies in Groups and Clusters of Galaxies IV: Comparison of the Luminosity Functions and Morphological Type Distributions in Seven Nearby Groups. Ferguson, H. C., and Sandage, A., 1991, AJ, 101, 765.

Test of the Decaying Dark Matter Hypothesis Using the Hopkins Ultraviolet Telescope. Davidsen, A. F., et al., 1991, Nature, 351, 128.

Bound Companions in the Virgo Cluster. Ferguson, H. C., 1992, MNRAS, 255, 389.

Discovery of a Fast Radiative Shock Wave in the Cygnus Loop Using the Hopkins Ultraviolet Telescope. Blair, W. P., et al., 1991, ApJ, 379, L33.

Observations of Comet Levy (1990c) with the Hopkins Ultraviolet Telescope. Feldman, P. D., et al., 1991, ApJ 379, L37.

Spectroscopy of Z Camelopardalis in Outburst with the Hopkins Ultraviolet Telescope. Long, K. S., et al., 1991, ApJ 381, L25.

Constraints on the Origin of the UV Upturn in Elliptical Galaxies from HUT Observations of NGC 1399. Ferguson, H. C., et al., 1991, ApJ, 382, L69.

Determination of Ionic Abundances in the Io Torus Using the Hopkins Ultraviolet Telescope. Moos, H. W., et al., 1991, ApJ, 382, L105.

HI Imaging of NGC 3312 and NGC 3314a. A Foreground Group to the Hydra Cluster? McMahan, P. M., Richter, O.-G., van Gorkom, J. H., and Ferguson, H. C., 1992, AJ, 103, 399.

The Hopkins Ultraviolet Telescope: Performance and Calibration During the Astro-1 Mission. Davidsen, A. F., et al., 1992, ApJ, 392, 264.

A Test for Dust in Clusters of Galaxies. Ferguson, H. C., 1993, MNRAS, 263, 343.

Hopkins Ultraviolet Telescope Observations of the Far-Ultraviolet Spectrum of NGC 4151. Kriss, G. A., et al., 1992, ApJ, 392, 485.

Dynamics of Clusters of Galaxies with Central Dominant Galaxies. I: Galaxy Redshifts. Malumuth, E. M., Kriss, G. A., Dixon, W. V., Ferguson, H. C., and Ritchie, C., 1992, AJ, 104, 495.

The Spectrum of the Tropical Oxygen Nightglow Observed at 3 Å Resolution with the Hopkins Ultraviolet Telescope. Feldman, P. D., et al., 1992, Geophys. Res. Lett., 19, 453.

Evidence for Shock-heated Gas in the Hopkins Ultraviolet Telescope Spectrum of NGC 1068. Kriss, G.A., Davidsen, A.F., Blair, W.P., Ferguson, H. C., and Long, K.S., 1992, ApJ, 394, L37.

Far-Ultraviolet Observations of the Supernova Remnant N49 Using the Hopkins Ultraviolet Telescope. Vancura, O., et al., 1992, ApJ, 401, 220.

Extreme Ultraviolet Observations of G191-B2B and the Local Interstellar Medium with the Hopkins Ultraviolet Telescope. Kimble, R. A., et al., 1993, ApJ, 404, 663.

The Hot Stellar Component in Elliptical Galaxies and Spiral Bulges. I. The Far-UV Spectrum of the Bulge of M31. Ferguson, H. C., and Davidsen, A. F., 1993, ApJ, 408, 92.

The Local Density of Low-Luminosity Star-Forming Galaxies. Schade, D. J., and Ferguson, H. C., 1994, MNRAS, 267, 889.

Observations of UV-Bright Stars in Globular Clusters with the Hopkins Ultraviolet Telescope. Dixon, W. V., Davidsen A. F., and Ferguson, H. C., 1994, AJ, 107, 1388.

The Contribution of Low Surface Brightness Galaxies to Faint Galaxy Counts. Ferguson, H. C., and McGaugh, S., 1994, ApJ, 440, 470.

Dwarf Elliptical Galaxies. Ferguson, H. C., and Binggeli, B., 1994, A&AR, 6, 67.

Discovery of a Nearby Spiral Galaxy Behind the Milky Way. Kraan-Korteweg, R. C., Loan, A. J., Burton, W. B., Lahav, O., Ferguson, H. C., Henning, P. A., and Lynden-Bell, D., 1994, Nature, 372, 77.

Visual Search for Galaxies near the Northern Crossing of the Supergalactic Plane and by the Milky Way. Hau, G. K. T., Ferguson, H. C., Lahav, O., and Lynden-Bell, D., 1995, MNRAS, 277, 125.

Observations of UV-Bright Stars in Globular Clusters with the Hopkins Ultraviolet Telescope. Dixon, W. V., Davidsen A. F., and Ferguson, H. C., 1994, AJ, 107, 1388.

Determination of the Hubble Constant from Observations of Cepheid Variables in the Galaxy M96. Tanvir, N. R., Shanks, T., Ferguson, H. C., and Robinson, D. R. T., 1995, Nature, 377, 27.

Hopkins Ultraviolet Telescope Observations of Six Elliptical and S0 Galaxies. Brown, T. M.,

Ferguson, H. C., and Davidsen A. F., 1995, ApJ, 454, L15.

The Lyman Continuum in Starburst Galaxies Observed with the Hopkins Ultraviolet Telescope. Leitherer, C., Ferguson, H. C., Heckman, T. M., and Lowenthal, J. D., 1995, ApJ, 454, L19.

A Search for Far-Ultraviolet Emission Lines From Diffuse Hot Gas in the Halo of NGC 4631. Ferguson, H. C., Dixon, W. V. D., Davidsen, A. F., and Dettmar, R.-J., 1995, ApJ, 454, L23.

Observations of the Ultraviolet-Bright Star in 47 Tucanae with the Hopkins Ultraviolet Telescope. Dixon, W. V. D., Davidsen, A. F., and Ferguson, H. C., 1995, ApJ, 454, L47.

New Far-Ultraviolet Intrinsic Spectral Fluxes of Hot Stars and Their Photospheric Temperatures. Buss, R. H. Jr., Kruk, J. W., and Ferguson, H. C., 1995, ApJ, 454, L55.

Observations of Far-UV Emission from NGC1275 with the Hopkins Ultraviolet Telescope. Dixon, W. V. D., Davidsen, A. F., and Ferguson, H. C., 1995, AJ, 111, 130.

Constraints on the Horizontal-Branch Morphology of the Globular Cluster M79 (NGC1904) from Optical and Far-UV Observations. Dixon, W. V. D., Davidsen, A. F., Dorman, B., and Ferguson, H. C., 1995, AJ, 111, 1936.

Discovery of OVI Emission from the Galactic Corona with the Hopkins Ultraviolet Telescope. Dixon, W. V. D., Davidsen, A. F., and Ferguson, H. C., 1995, ApJ, 465, 288.

Faint Blue Galaxies and the Epoch of Dwarf Galaxy Formation. Babul, A., and Ferguson, H. C., 1995, ApJ, 458, 100.

Limits on Far-Ultraviolet Emission from Warm Gas in Clusters of Galaxies with the Hopkins Ultraviolet Telescope. Dixon, W. V. D., Hurwitz, M., and Ferguson, H. C., 1996, ApJ, 496, L77.

The Hubble Deep Field: Observations, Data Reduction, and Galaxy Photometry. Williams, R. E., et al., 1996, AJ, 112, 1335.

BVRI Light Curves for 29 Type Ia Supernovae. Hamuy, M., et al., 1996, AJ, 112, 2408.

High Redshift Galaxies in the Hubble Deep Field. I. Color Selection and Star Formation History to $z \sim 4$. Madau, P., Ferguson, H. C., Dickinson, M. E., Giavalisco, M., Steidel, C. C., and Fruchter, A. S., 1996, MNRAS, 283, 1388.

A Grid of Model Atmospheres and Synthetic Spectra for the Far Ultraviolet Analysis of Old Stellar Populations. Brown, T. M., Ferguson, H. C., and Davidsen, A. F., 1996, ApJ, 472, 327.

A Far Ultraviolet Analysis of the Stellar Populations in Six Elliptical and S0 Galaxies. Brown, T. M., Ferguson, H. C., Davidsen, A. F., and Dorman, B., 1997, ApJ, 482, 685.

In-Flight Detector Performance of the Space Telescope Imaging Spectrograph. Kimble, R., et al., 1998, ApJ, 492, L83.

Imaging and Spectroscopy of Arcs around the Most Luminous X-Ray Cluster RX J1347.5-1145.

Sahu, K., *et al.*, 1998, ApJ, 492, L125.

The STIS Parallel Survey: Introduction and First Results. Gardner, J. P. *et al.*, 1998, ApJ, 492, L99.

Detection of Intergalactic Red Giant Branch Stars in the Virgo Cluster. Ferguson, H. C., Tanvir, N. R., and von Hippel, T., Nature, 1998, 391, 461.

Far-Ultraviolet Spectra of Starburst Galaxies: Stellar Population and the Kinematics of the Interstellar Medium. Gonzalez-Delgado, R. M., Leitherer, C., Heckman, T., Lowenthal, J. D., Ferguson, H. C. & Robert, C., 1998, ApJ, 495, 698.

The Hubble Deep Field and the Disappearing Dwarf Galaxies. Ferguson, H. C., and Babul, A., 1998, MNRAS, 296, 585.

Color-Luminosity Relations for the Resolved Hot Stellar Populations in the Centers of M31 and M32. Brown, T. M., Ferguson, H. C., Stanford, S. A., & Deharveng, J.-M., 1998, ApJ, 504, 113.

Measurements of Far-UV Emission from Elliptical Galaxies at $z = 0.375$. Brown, T. M., Ferguson, H. C., Deharveng, J.-M., & Jedrzejewski, R., 1998, ApJ, 508, L139.

The Specific Globular Cluster Frequencies of Dwarf Elliptical Galaxies from the Hubble Space Telescope. Miller, B. W., Lotz, J. M., Ferguson, H. C., Stiavelli, M., & 1998, Whitmore, B. C., 1998, ApJ, 508, L133.

High-Redshift Galaxies in the Hubble Deep Field – II. Colors and Number Counts. Pozzetti, L., Madau, P., Zamorani, G., Ferguson, H. C., & Bruzual, G. A., 1998, MNRAS, 298, 1133.

An Extremely Red $r^{1/4}$ -law Galaxy in the Test Image of the Hubble Deep Field South. Treu, T., *et al.*, 1998, A&A, 193, 340L.

The Opacity of Nearby Galaxies from Colors and Counts of Background Galaxies. I. The Synthetic Field Method and its Application to NGC 4536 and NGC 3664. Gonzalez, R. A., *et al.*, 1998, ApJ, 506, 152.

Mid-UV and Mg_2 Determination of Elliptical Galaxy Abundances. Lotz, J., Ferguson, H. C. & Bohlin, R. C., 2000, ApJ, 532, 830.

The Lyman-alpha Forest of the QSO in the Hubble Deep Field South. Savaglio, S. *et al.*, 1999, ApJ, 515, L5.

VLT and HST Observations of a Candidate High-Redshift Elliptical Galaxy in the Hubble Deep Field South. Stiavelli, M., *et al.*, 1999, A&A 343, L25.

The Cepheid distance to M96 and the Hubble Constant. Tanvir, N. R., Ferguson, H. C., &

Shanks, T. , 1999, MNRAS, 300, 175.

Hubble Space Telescope and Palomar Imaging of GRB 990123: Implications for the Nature of Gamma-Ray Bursts and Their Hosts. Fruchter, A. S., *et al.*, 1999, ApJ, 519, L13.

The Fading Optical Counterpart of GRB 970228, 6 Months and 1 Year Later. Fruchter, A. S., *et al.*, 1999, ApJ, 516, 683.

Far-Ultraviolet Emission from Elliptical Galaxies at $z = 0.55$. Brown, T. M., Bowers, C. W., Kimble, R. A., & Ferguson, H. C., 2000, ApJ, 529, 89.

Detection and Photometry of Hot Horizontal Branch Stars in the Core of M32. Brown, T. M., Bowers, C. W., Kimble, R. A., Sweigart, A. V. & Ferguson, H. C., 2000, ApJ, 532, 308.

The Hubble Deep Field South: STIS Imaging. Gardner, J. P., *et al.*, 2000, AJ, 119, 486.

The Unusual Infrared Object HDF-N J123656.3+621322, Dickinson, M., *et al.*, 2000, ApJ, 531, 624.

The Hubble Deep Field: South: Formulation of the Observing Campaign. Williams, R. E., *et al.*, 2000, AJ, 120, 2735.

WFPC2 Observations of the Hubble Deep Field-South. Casertano, S., *et al.*, 2000, AJ, 120, 2747.

The Hubble Deep Fields. Ferguson, H. C., Dickinson, M., E. & Williams, R. E., 2000, Ann. Rev. Astron. Astr., 38, 667.

An Emission-Line Search for Star-Forming Dwarf Galaxies Toward Abell 851, Martin, C., Lotz, J., & Ferguson, H. C., 2000, ApJ, 2000, 543, 97.

Measurements of the Diffuse Ultraviolet Background and Terrestrial Airglow with the Space Telescope Imaging Spectrograph. Brown, T. M., Kimble, R. A., Ferguson, H. C. *et al.*, 2000, AJ, 120, 1153.

Ultraviolet Galaxy Counts from STIS Observations of the Hubble Deep Fields. Gardner, J. P., Brown, T. M. & Ferguson, H. C., 2000, ApJ, 542, L79.

Hubble Space Telescope Observations of the Host Galaxy of GRB 970508. Fruchter, A. S., Pian, E., Gibbons, R., Thorsett, S. E., Ferguson, H. C. *et al.*, 2000, ApJ, 545, 664.

The Nuclear Cusp Slopes of Dwarf Elliptical Galaxies. Stiavelli, M., Miller, B. W., Ferguson, H. C., *et al.*, 2001, AJ, 121, 1385.

Dynamical Friction in dE Globular Cluster Systems. Lotz, J. M., Telford, R., Ferguson, *et al.*, 2001, ApJ, 552, 572.

Hubble Space Telescope STIS Observations of GRB 000301C: CCD Imaging and Near-Ultraviolet

MAMA Spectroscopy. Smette, A. *et al.*, 2001, ApJ, 556, 70.

The Stellar Populations and Evolution of Lyman Break Galaxies. Papovich, C., Dickinson, M. & Ferguson, H. C., 2001, ApJ, 559, 620.

Photospheric Abundances of the Hot Stars in NGC 1399 and Limits on the Fornax Cluster Cooling Flow. Brown, T. M., Ferguson, H. C., O'Connell, R. W. & Ohl, R. G., 2002, ApJ, 568, L19.

Lyman Break Galaxies and the Reionization of the Intergalactic Medium. Ferguson, H. C., Dickinson, M. & Papovich, C., 2002, ApJ, 569, L65.

The Hubble Deep Field South Flanking Fields Lucas, R. A. *et al.*, 2003, AJ, 125, 398.

Far-Ultraviolet Emission from Elliptical Galaxies at $z = 0.33$. Brown, T. M., Ferguson, H. C., Smith, E., Bowers, C. W., Kimble, R. A., Renzini, A. & Rich, M. R. 2003, ApJ, 584, L69.

The Evolution of the Global Stellar Mass Density at $0 < z < 3$. Dickinson, M., Papovich, C., Ferguson, H. C. & Budavari, T. 2003, ApJ, 587, 25.

Evidence of a Significant Intermediate-Age Population in the M31 Halo from Main-Sequence Photometry. Brown, T. M., Ferguson, H. C., Smith, E., Kimble, R. A., Sweigart, A. V., Renzini, A., Rich, R. M., & VandenBerg, D. A., 2003, ApJ, 592, L17.

Gravitational Lensing by Burkert Halos. Park, Y. & Ferguson, H. C., 2003, ApJ, 589, L65.

A class of compact dwarf galaxies from disruptive processes in galaxy clusters. Drinkwater, M. J., Gregg, M. D., Hilker, M., Bekki, K., Couch, W. J., Ferguson, H. C., Jones, J. B., Phillipps, S., 2003, Nature, 423, 519.

The Star-Forming Dwarf Galaxy Populations of two $z \sim 0.4$ Clusters: MS1512.4+3647 and Abell 851. Lotz, J. E., Martin, C. L., & Ferguson, H. C., 2003, ApJ, 596, 143.

The Internal Ultraviolet-Optical Color Dispersion: Quantifying the Morphological K-Correction, Papovich, C. Giavalisco, M., Dickinson, M., Conselice, C. J., and Ferguson, Henry C., 2003, ApJ, 598, 827.

The Great Observatories Origins Deep Survey: Initial Results from Optical and Near-Infrared Imaging. Giavalisco, M., Ferguson, H. C., Koekemoer, A. M., Dickinson, M., Alexander, D. M., Bauer, F. E., Bergeron, J., Biagetti, C., Brandt, W. M., Casertano, S., *et al.* 2004, ApJ, 600, L93.

Color-selected galaxies at $z \sim 6$ in the Great Observatories Origins Deep Survey. Dickinson, M. E., Stern, D., Giavalisco, M., Ferguson, H. C., Tsvetanov, Z., Chornock, R., Cristiani, S., Dawson, S., Dey, A., Filippenko, A. V., *et al.*, 2004, ApJ, 600, L99.

The Rest-Frame UV Luminosity Density of Star-Forming Galaxies at Redshifts $z > 3.5$.

Giavalisco, M., Dickinson, M., Ferguson, H. C., Ravindranath, S., Kretchmer, C., Moustakas, L. A., Madau, P., Fall, S. M., Gardner, J., Livio, M., et al., 2004, ApJ, 600, L103.

The Size Evolution of High-Redshift Galaxies. Ferguson, H. C., Dickinson, M., Giavalisco, M., Kretchmer, C., Ravindranath, S., Idzi, R., Taylor, E., Conselice, C. J., Fall, S. M., Gardner, J. P., et al. 2004, ApJ, 600, L107.

The Evolution in the Colors of Lyman-Break Galaxies from $z \sim 4$ to $z \sim 3$. Papovich, C., Dickinson, M., Ferguson, H. C., Giavalisco, M., Lotz, M., Madau, P., Idzi, R., Kretchmer, C., Moustakas, L., de Mello, D. F., et al., 2004, ApJ, 600, L111.

The $z \sim 4$ Lyman-Break Galaxies: Colors and Theoretical Predictions. Idzi, R., Somerville, R., Papovich, C., Ferguson, H. C., Giavalisco, M., Kretchmer, C. & Lotz, J., 2004, ApJ, 600, L115.

Optimal Galaxy Shape Measurements for Weak Lensing Applications using the Hubble Space Telescope Advanced Camera for Surveys. Park, Y., Casertano, S. & Ferguson, H. C., 2004, ApJ, 600, L159.

Dark Matter around Field Galaxies in the GOODS Chandra Deep Field South Region. Casertano, S., Park, Y., Ferguson, H. C., Somerville, R. S., Moustakas, L. A., & Fassnacht, C. D., 2004, ApJL submitted.

Strong Gravitational Lens Candidates in the GOODS ACS Fields. Fassnacht, C. D., Moustakas, L. A., Casertano, S., Ferguson, H. C., Lucas, R. A., & Park, Y., 2004, ApJ, 600, L155.

Cosmic Variance in the Great Observatories Origins Deep Survey. Somerville, R.S., Lee, K., Ferguson, H. C., Gardner, J. P., Moustakas, L. A., Giavalisco, M. & Renzini, A., 2004, ApJ, 600, L171.

Photometric Redshifts for Galaxies in the GOODS Southern Field. Mobasher, B., Idzi, R., Benitez, N., Cimatti, A., Cristiani, S., Daddi, E., Dahlen, T. Dickinson, M, Erben, T., Ferguson, H. C. et al., 2004, ApJ, 600, L167.

Morphologies and Stellar Populations of Extremely Red Galaxies in the GOODS-South Field. Moustakas, L. A., Casertano, S., Conselice, C., Dickinson, M. E., Eisenhardt, P., Ferguson, H. C., Giavalisco, M., Grogin, N. A., Koekemoer, A. M., Lucas, R. A., et al., 2004, ApJ, 600, L131.

Identification of Type Ia Supernovae at Redshift 1.3 and Beyond with the Advanced Camera for Surveys on HST. Riess, A., Strolger, L.-G., Tonry, J., Tsvetanov, Z., Casertano, S., Ferguson, H. C., Mobasher, B., Challis, P., Panagia, N., Filippenko, A. V., et al., 2004, ApJ, 600, L163.

Evolution of Disk Galaxies in the GOODS CDF-S Field: Number Densities and Size Distribution. Ravindranath, S., Ferguson, H. C., Conselice, C., Giavalisco, M., Dickinson, M., Chatzichristou, E., de Mello, D., Fall, S. M., Gardner, J. P., Grogin, N. A., et al., 2004, ApJ, 604, L9.

The Evolution of Early-type Field Galaxies Selected from a NICMOS Map of the Hubble Deep Field North. Stanford, S. A., Dickinson, M., Postman, M., Ferguson, H., Lucas, R., Conselice, C., Budavari, T., Somerville, R., 2004, AJ, 127, 131.

Ultra-Compact Dwarf Galaxies in Galaxy Clusters. Drinkwater, M. J., Gregg, M. D., Couch, W. J., Ferguson, H. C., et al., 2004, PASA, 21, 375.

Intergalactic H II Regions Discovered in SINGG. Ryan-Weber, E. V., et al., 2004, AJ, 127, 1431.

Resolving the Stellar Population of the Standard Elliptical Galaxy NGC3379. Gregg, M. D., Ferguson, H. C., Minniti, D., Tanvir, N., & Catchpole, R., 2004, AJ, 127, 1441.

RR Lyrae Stars in the Andromeda Halo from Deep Imaging with the Advanced Camera for Surveys. Brown, T. M., Ferguson, H. C., Smith, E., Kimble, R. A., Sweigart, A. V., Renzini, A., Rich, R. M., 2004, AJ, 127, 2738.

Type Ia Supernova Discoveries at $z > 1$ from the Hubble Space Telescope: Evidence of Past Deceleration and Constraints on Dark-Energy Evolution. Riess, A., Strolger, L.-G., Tonry, J., Casertano, S., Ferguson, H. C., Mobasher, B., Challis, P., Filippenko, A. V., Jha, S., Li, W. et al., 2004, ApJ, 607, 665.

A Redshift $z \sim 5.4$ Ly α Emitting Galaxy with Linear Morphology in the GRAPES/Hubble Ultra Deep Field. Rhoads, J. E. et al., 2004, ApJ, 621, 582.

High-Redshift Extremely Red Objects in the Hubble Space Telescope Ultra Deep Field Revealed by the GOODS Infrared Array Camera Observations. Yan, H., Dickinson, M., Eisenhardt, P. R. M., Ferguson, H. C., et al., 2004, ApJ, 616, 63.

GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction. Pirzkal, H., et al., 2004, ApJS, 154, 501.

Age Constraints for an M31 Globular Cluster from Main-Sequence Photometry. Brown, T. M., Ferguson, H. C., et al., 2004, ApJ, 613, L125.

The Nature of Faint 24 Micron Sources Seen in Spitzer Space Telescope Observations of ELAIS-N1. Chary, R., Casertano, S., Dickinson, M., Ferguson, H. C., et al., 2004, ApJS, 154, 80.

The Colors of Dwarf Elliptical Galaxy Globular Cluster Systems, Nuclei, and Stellar Halos. Lotz, J. M., Miller, B. W. & Ferguson, H. C., 2004, ApJ, 613, 262.

The Hubble Higher z Supernova Search: Supernovae to $z \sim 1.6$ and Constraints on Type Ia Progenitor Models. Strolger, L. G. et al., 2004, ApJ, 613, 200.

High-Redshift Supernova Rates. Dahlen, T. et al., 2004, ApJ, 613, 189.

Passively Evolving Early-type Galaxies at $1.4 < z < 2.5$ in the Hubble Ultra Deep Field. Daddi,

E., et al., 2005, ApJ, 631, 13.

An overdensity of galaxies at $z = 5.9 \pm 0.2$ in the Ultra Deep Field confirmed using the ACS grism. Malhotra, S., et al., 2005, ApJ, 626, 666.

The Assembly of Diversity in the Morphologies and Stellar Populations of High-Redshift Galaxies. Papovich, C., Dickinson, M., Giavalisco, M., Conselice, C. J., & Ferguson, H. C., 2005, ApJ, 631, 101.

The Great Observatories Origins Deep Survey - VLT/FORS2 Spectroscopy in the GOODS-South Field. Vanzella, E., et al., 2005, A&A, 434, 53.

The Evolution of the Optical and Near-Infrared Galaxy Luminosity Functions and Luminosity Densities to $z \sim 2$. Dahlen, T., Mobasher, B. Somerville, R. S., Moustakas, L. A., Dickinson, M., Ferguson, H. C., Giavalisco, M., 2005, ApJ 631, 126.

The Population of BzK-selected ULIRGs at $z \sim 2$. Daddi, E., Dickinson, M., Chary, R., Pope, A., Morrison, G., Alexander, D. M., Bauer, F. E., Brandt, W. N., Giavalisco, M., Ferguson, H., and 4 coauthors, 2005, ApJ, 631, 13

Stellar Cluster Fiducial Sequences with the Advanced Camera for Surveys. Brown, T. M., Ferguson, H. C., Smith, E., Guhathakurta, P., Kimble, R. A., S., Allen V., Renzini, A., Rich, R. M., VandenBerg, D. A., 2005, AJ, 130, 1693

Halos of Spiral Galaxies. I. The Tip of the Red Giant Branch as a Distance Indicator. Mouhcine, M., Ferguson, H. C., Rich, R. M., Brown, T. M., Smith, T. E., 2005, ApJ, 633, 810

Halos of Spiral Galaxies. II. Halo Metallicity-Luminosity Relation. Mouhcine, M., Ferguson, H. C., Rich, R. M., Brown, T. M., Smith, T. E., 2005, ApJ, 633, 821

Halos of Spiral Galaxies. III. Metallicity Distributions. Mouhcine, M., Rich, R. M., Ferguson, H. C., Brown, T. M., Smith, T. E., 2005, ApJ, 633, 828

Direct Evidence for an Early Reionization of the Universe? Panagia, N., Fall, S. M., Mobasher, B., Dickinson, M., Ferguson, H. C., Giavalisco, M., Stern, D., Wiklind, T., 2005, ApJ, 633, 1

Rest-Frame Ultraviolet-to-Optical Properties of Galaxies at $z \sim 6$ and $z \sim 5$ in the Hubble Ultra Deep Field: From Hubble to Spitzer. Yan, H., Dickinson, M., Stern, D., Eisenhardt, P. R. M., Chary, R.-R., Giavalisco, M., Ferguson, H. C., Casertano, S., Conselice, C. J., Papovich, C., and 4 coauthors, 2005, ApJ, 634, 109

Evidence for a Massive Poststarburst Galaxy at $z \sim 6.5$. Mobasher, B., Dickinson, M., Ferguson, H. C., Giavalisco, M., Wiklind, T., Stark, D., Ellis, R. S., Fall, S. M., Grogin, N. A., Moustakas, L. A., and 21 coauthors, 2005, ApJ, 635, 832

Morphology and Evolution of Emission-Line Galaxies in the Hubble Ultra Deep Field. Pirzkal, N.,

- Xu, C., Ferreras, I., Malhotra, S., Mobasher, B., Rhoads, J. E., Pasquali, A., Panagia, N., Koekemoer, A. M., Ferguson, H. C., Gronwall, C., 2006, ApJ, 636, 582
- The Rest-Frame Far-Ultraviolet Morphologies of Star-forming Galaxies at $z \sim 1.5$ and 4.* Lotz, J. M., Madau, P., Giavalisco, M., Primack, J., Ferguson, H. C., 2006, ApJ, 636, 592
- Deep Photometry of Andromeda Reveals Striking Similarities in the Tidal Stream and Spheroid Populations.* Brown, T. M., Smith, E., Guhathakurta, P., Rich, R. M., Ferguson, H. C., Renzini, A., Sweigart, A. V., Kimble, R. A., 2006, ApJ, 636, 89
- Spitzer Observations of Massive, Red Galaxies at High Redshift.* Papovich, C., Moustakas, L. A., Dickinson, M., Le Floch, E., Rieke, G. H., Daddi, E., Alexander, D. M., Bauer, F., Brandt, W. N., Dahlen, T., and 11 coauthors, 2006, ApJ, 640, 92
- GOODS spitzer IRAC observations of high- z galaxies Implications for Reionization.* Yan, H., Dickinson, M., Stern, D., Eisenhardt, P. R. M., Chary, R.-R., Giavalisco, M., Ferguson, H. C., Casertano, S., Conselice, C. J., Papovich, C., and 4 coauthors, 2006, NewAR, 50, 127
- The WFPC2 Archival Pure Parallels Project.* Wadadekar, Y., Casertano, S., Hook, R., Kazaltan, B., Koekemoer, A., Ferguson, H., Denchev, D., 2006, PASP, 118, 450
- The Large-Scale and Small-Scale Clustering of Lyman Break Galaxies at $3.5 \leq z \leq 5.5$ from the GOODS Survey.* Lee, K.-S., Giavalisco, M., Gnedin, O. Y., Somerville, R. S., Ferguson, H. C., Dickinson, M., Ouchi, M., 2006, ApJ, 642, 63
- Long γ -ray bursts and core-collapse supernovae have different environments.* Fruchter, A. S., Levan, A. J., Strolger, L., Vreeswijk, P. M., Thorsett, S. E., Bersier, D., Burud, I., Castro Cern, J. M., Castro-Tirado, A. J., Conselice, C., and 23 coauthors, 2006, Nature, 441, 463
- The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results.* Meurer, Gerhard R., Hanish, D. J., Ferguson, H. C., Knezek, P. M., Kilborn, V. A., Putman, M. E., Smith, R. C., Koribalski, B., Meyer, M., Oey, M. S., and 13 coauthors, 2006, ApJS, 165, 307
- The great observatories origins deep survey. VLT/FORS2 spectroscopy in the GOODS-South Field: Part II* Vanzella, E., Cristiani, S., Dickinson, M., Kuntschner, H., Nonino, M., Rettura, A., Rosati, P., Vernet, J., Cesarsky, C., Ferguson, H. C., and 9 coauthors, 2006, A&A, 454, 423
- Far-Ultraviolet Imaging of the Hubble Deep Field-North: Star Formation in Normal Galaxies at $z < 1$.* Teplitz, H. I., Siana, B., Brown, T. M., Chary, R., Colbert, J. W., Conselice, C. J., de Mello, D. F., Dickinson, M., Ferguson, H. C., Gardner, Jonathan P., Menanteau, F., 2006, AJ, 132, 853
- NGC922 - a new drop-through ring galaxy.* Wong, O. I., Meurer, G. R., Bekki, K., Hanish, D. J., Kennicutt, R. C., Bland-Hawthorn, J., Ryan-Weber, E. V., Koribalski, B., Kilborn, V. A., Putman, M. E., and 19 coauthors, 2006, MNRAS, 370, 1607

Popular Articles

Probing the Faintest Galaxies. Ferguson, H. C., Williams, R. E. and Cowie, L. L., 1997, *Physics Today*, 50, 24.

Galaxies Through Space and Time. Ferguson, H. C., 2000, in *Cosmic Horizons: Astronomy at the Cutting Edge*, ed. S. Soter and N. Tyson (New York: American Museum of Natural History), 84.

The Hubble Deep Fields. Ferguson, H. C., 2001, in *Encyclopedia of Astronomy and Astrophysics*, ed. P. Murdin (London: IoP Publishing).

Selected Conference Presentations

Galaxy Populations in the Fornax and Virgo Clusters. Ferguson, H. C., 1988, in proceedings of "Evolutionary Phenomena in Galaxies," *Ap.&SS*, 157, 227.

The Morphology-Density Relation for Dwarf Galaxies. Ferguson, H. C., and Sandage, A., 1989, in "The Interstellar Medium in External Galaxies: Summaries of Contributed Papers," ed. D. Hollenbach and H. Thronson, Jr., NASA Conference Pub. 3084, p. 281.

The Hot Stellar Component in Elliptical Galaxies and Spiral Bulges. Ferguson, H. C., Davidsen, A. F., and Kriss, G. A., 1991, in *IAU Symposium 149: Stellar Populations in Galaxies*, eds. B. Barbuy and A. Renzini, Kluwer, Dordrecht, 291.

The Galaxy Luminosity Function in Different Environments. Ferguson, H. C., 1992, in "Physics of Nearby Galaxies: Nature or Nurture," eds. T. X. Thuan, C. Balkowski, and J. T. T. Van, Editions Frontieres, Gif sur Yvette, 443.

The Ultraviolet Emission of Elliptical Galaxies and Spiral Bulges. Davidsen, A. F. and Ferguson, H. C., 1992, in "Physics of Nearby Galaxies: Nature or Nurture," eds. T. X. Thuan, C. Balkowski, and J. T. T. Van, Editions Frontieres, Gif sur Yvette, 125.

The Hot Stellar Population in the Bulge of M31. Ferguson, H. C., and Davidsen A. F., 1993, in *IAU Symposium 153: Galactic Bulges*, eds. H. Dejonghe, H. J. Habing, Kluwer, Dordrecht, 415.

The Star Forming Histories of Dwarf Elliptical Galaxies. Ferguson, H. C., 1993, in *Proceedings of the ESO/OHP Workshop on Dwarf Galaxies*, ed. G. Meylan and B. Binggeli, ESO, 475.

The UV Upturn in Elliptical Galaxies. Ferguson, H. C., 1994, in *IAU Symposium 164: Stellar Populations*, ed. P. C. van der Kruit and G. Gilmore, Kluwer, Dordrecht, 239.

UV Bright Stars and Planetary Nebulae in Elliptical Galaxies. Ferguson, H. C., 1994, *Highlights of Astronomy*, 10, 493.

Far-UV Line Strengths in Elliptical Galaxies. Ferguson, H. C., Brown, T. M. and Davidsen, A. F., 1996, in “From Stars to Galaxies: The Impact of Stellar Physics on Galaxy Evolution,” ed. C. Leitherer, U. Fritze-von Alvensleben and J. Huchra (ASP Conf. Proc. 98) (San Francisco: ASP), 486.

Testing Galaxy Evolution Models with Deep HST Images. Ferguson, H. C., 1996, in The Hubble Space Telescope and the High Redshift Universe, ed. N. R. Tanvir, A. Aragón-Salamanca & J. V. Wall (Singapore: World Scientific), 15.

Progress With the Hubble Deep Field. Invited Talk, Texas Symposium on Relativistic Astrophysics, December 1996

Galaxy Evolution and the Hubble Deep Field. Invited talk, American Astronomical Society, January 1997.

Hot Evolved Stars in the Centers of M31 and M32. Brown, T. M., *et al.*, 1997, in “The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution,” eds. W. H. Waller, M. N. Fanelli, J. E. Hollis, & A. C. Danks (New York: AIP Press), 187.

UV Emission for Elliptical Galaxies Near and Far. Ferguson, H. C., 1997 in “The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution,” eds. W. H. Waller, M. N. Fanelli, J. E. Hollis, & A. C. Danks (New York: AIP Press), 161.

Selection Effects and Robust Measures of Galaxy Evolution. Ferguson, H. C., 1998, in The Hubble Deep Field, ed. Livio, M., Fall, S. M., & Madau, P., Cambridge Univ. Press, Cambridge, 181.

The HST Deep Field. Invited Review, Astronomische Gesellschaft, Sept. 1997. Ferguson, H. C., 1998 *Reviews in Modern Astronomy*, 11, 83.

Modeling Faint Galaxy Number Counts. Two lectures presented at the Les Houches school on “The Formation and Evolution of Galaxies,” October 1997.

Dwarf Galaxies in the Hubble Deep Field. Invited review, 1998 Moriond conference.

Cosmology with the Hubble Space Telescope. Invited review for the joint session of physicists and astrophysicists, 1998 Moriond conference.

Low-Surface Brightness Galaxies in Deep Surveys. Ferguson, H. C., 1998, in IAU Colloquium 171: The Low Surface Brightness Universe, ed. J. I. Davies, C. Impey & S. Phillipps (San Francisco: ASP), 76.

The Formation of Galactic Bulges. ed. C. M. Carollo, H. C. Ferguson, & R. F. G. Wyse, 1999, (Cambridge: Cambridge Univ. Press).

Color Selection and Photometric Redshifts in the Hubble Deep Fields. Ferguson, H. C., 1999, in in ASP Conf Ser. 191: Photometric Redshifts and High Redshift Galaxies, ed. R. J. Weymann, L. J.

Storrie-Lombardi, M. Sawicki, & R. J. Brunner (San Francisco: ASP), 51.

The Hubble Deep Fields. Invited talk, Washington Area Astronomers meeting, March 1999.

The Next Generation Space Telescope. Invited talk, *Gravitational Lensing* conference, Boston University, July 1999.

The Hubble Deep Fields. Ferguson, H. C., 2000 in *Astronomical Data Analysis Software & Systems IX*, ed. N. Manset, Veillet, & D. Crabtree, ASP Conf. Proc. 216, 395.

Constraints on Galaxy Formation from Observations of Deep Fields. Invited talk, 4th RESCEU Symposium: The Birth and Evolution of the Universe, Tokyo Japan, November 1999.

Far Ultraviolet Observations of the Hubble Deep Field. Invited talk, Victoria Computational Cosmology Conferences, August 2000.

The Hubble Deep Field in the Far Ultraviolet. 2001 in the proceedings of the ESO Symposium, "Deep Fields," ed. S. Cristiani, A. Renzini, R. Williams (Berlin: Springer), 54.

Lyman Break Galaxies in the NGST Era. Invited talk, ESO/University of Munich Conference on "The Mass of Galaxies at Low and High Redshift," (Garching: ESO), 344.

Stellar Population Challenges for the Next Decade. 2002, in "Hubble's Science Legacy: Future Optical/Ultraviolet Astronomy from Space," eds, K. R. Sembach, J. C. Blades, G. D. Illingworth & R. C. Kennicutt, Jr. (San Francisco: ASP), 148.

The Size-Evolution of High-Redshift Galaxies. 2003, Aspen workshop on "The Baryonic Universe."

Early Results from the Great Observatories Origins Deep Survey. 2003, Invited talk, ETH/Zurich conference on "Star and Structure Formation: from First Light to the Milky Way." On-line proceedings at http://www.exp-astro.phys.ethz.ch/ETH_Astro_2003/program.html.

High-z galaxy evolution from GOODS. 2003, ESO/MPA conference on "Multiwavelength Mapping of Galaxy Formation and Evolution."

Early Results from the Great Observatories Origins Deep Survey. 2003, Banff workshop on "Galaxy Formation: A Herculean Challenge."

Stellar Populations in Spiral Galaxy Halos. 2003, Banff workshop on "Galaxy Formation: A Herculean Challenge."

Star Formation in Elliptical and Dwarf Galaxies. 2004, Maryland conference on "New Windows on Star Formation in the Cosmos."

Faint Blue Galaxies Revisited. 2005, IAU Colloquium 198 on "Near-Field Cosmology with Dwarf Elliptical Galaxies."

Colloquia and Public Lectures

Quasi-Stellar Objects. Sears Lecture, St. Paul's School, Concord, N.H., October 1983.

The Hopkins Ultraviolet Telescope. Astrophysics Seminar, CITA, Merida Venezuela, June 1984.

Galaxy Populations in Groups and Clusters of Galaxies. Physics and Astronomy Department Colloquium, The Johns Hopkins University, November 1989.

The Hopkins Ultraviolet Telescope and the Astro-1 Mission. National Teacher Workshop, The Johns Hopkins University, June 1990.

Astro-1: Quasars, Black Holes, and Other Cosmic Puzzles. Capital Area Rotary Club, Albany N.Y., July 1990.

Astro-1: Quasars, Black Holes, and Other Cosmic Puzzles. Space Telescope Science Institute Open Night, August 1990.

Galaxy Populations in Nearby Groups. Astronomy Department Colloquium, Yale University, December 1990.

Galaxy Populations in Nearby Groups. Joint Colloquium, Royal Greenwich Observatory and the Institute of Astronomy, Cambridge, England, February 1991.

Dwarf Galaxies in Nearby Groups. Colloquium, Physics Department, University of Wales College of Cardiff, February 1991.

Galaxy Evolution. Three lectures to undergraduates in the Royal Greenwich Observatory summer program, July 1991.

Hot Stellar Populations in Elliptical Galaxies and Spiral Bulges. Colloquium, Department of Astrophysics, Oxford University, October 1991.

Early Results from the Hopkins Ultraviolet Telescope. Colloquium, Astronomy Department, Columbia University, January 1992.

The Hot Stellar Component in Elliptical Galaxies and Spiral Bulges. Colloquium, Physics and Astronomy Department, University of Durham, February 1992.

The Hot Stellar Component in Elliptical Galaxies and Spiral Bulges. Colloquium, Astronomy Department, University of Illinois, March 1993.

The Hot Stellar Component in Elliptical Galaxies and Spiral Bulges. Colloquium, Canadian Institute for Theoretical Astrophysics, March 1993.

The Hot Stellar Component in Elliptical Galaxies and Spiral Bulges. Hubble Symposium, Space Telescope Science Institute, October 1993.

Measuring Cosmic Evolution. Birkhead Lecture, St. Paul's School, Concord NH, February 1994.

Dwarf, Low-Surface Brightness, and Faint-Blue Galaxies. Colloquium, Dominion Astrophysical Observatory, February 1995.

Faint Galaxies and Cosmic Evolution. Colloquium, Physics Dept. University of Oregon, February 1995

Faint Galaxies and Cosmic Evolution. Colloquium, Astronomy Dept. University of Virginia, February 1995

Faint Galaxies and Cosmic Evolution. Colloquium, Astronomy Dept. University of California, Berkeley, February 1995

Faint Galaxies and Cosmic Evolution. Colloquium, Astronomy Dept. Penn State University, October 1995

Galaxy Evolution and the Hubble Deep Field. Colloquium, Astronomy Dept. University of Toronto, February 1996

Galaxy Evolution and the Hubble Deep Field. Colloquium, Astronomy Dept. University of Wisconsin, April 1996

Galaxy Evolution and the Hubble Deep Field. Colloquium, Astronomy Dept. Caltech, May 1996

Galaxies at the Edge of the Universe. Colloquium, New York University, October 1996

Did the Big Bang Really Happen? Space Telescope Science Institute Open Night, December 1996

The Hubble Deep Field. Colloquium, University of Florida, January 1997.

Did the Big Bang Really Happen? Smithsonian Institution, May 1997.

The Hubble Deep Field. Colloquium, Case Western Reserve, November 1997.

The Hubble Deep Field. Colloquium, Los Alamos National Lab, June 1998.

The Hubble Deep Field. Colloquium, University of Maryland, December 1998.

Measuring Cosmic Evolution. National Air & Space Museum, April 1999.

Measuring Cosmic Evolution. Colloquium, NASA Langley Research Center; Public Lecture, Virginia Air & Space Museum, December 1999.

Measuring Cosmic Evolution. Birkhead Lecture, St. Paul's School, Concord, NH, January 2000.

Where's the Kaboom? Exploring the Star-Formation Histories of Galaxies in the Hubble Deep Fields. Colloquium, Harvard University, April 2001.

Distant Galaxies and Cosmic Evolution. Baltimore Astronomical Society, June 2003.

Early Results from the Great Observatories Origins Deep Survey. Colloquium, University of British Columbia, December 2003.

Stars and Stellar Populations in Spiral Galaxy Halos. Colloquium, HIA/DAO, December 2003.

Early Results from the Great Observatories Origins Deep Survey. Colloquium, University of Victoria, December 2003.

Cosmology and the Future of the Hubble Space Telescope. Maryland Harvard Club, October 2003.

The Great Observatories Origins Deep Survey. Colloquium, Michigan State University, March 2004.

The Great Observatories Origins Deep Survey. Colloquium, University of Florida, December 2004.

Measuring Cosmic Evolution. STScI Open-Night talk, February 2005.

Evolution of the Cosmos: The View from the Hubble Space Telescope. Fishers Island, NY, July 2006.