

Curriculum Vitae and Bibliography

Shardha Jogee

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Education

- Yale University, U.S.A – Astronomy – Ph.D. (1999), M. Phil. (1994), M. S. (1994)
- Cambridge University, England – Physics – B.A. Honors (1992), M.A. (1995)

Employment

- Sep. 2004–Present: Assistant Professor in Astronomy, University of Texas (UT) at Austin, U.S.A.
- July 2002–Aug. 2004: Astronomer, Space Telescope Science Institute (STScI), U.S.A. (tenure-track)
- Nov 1998–May 2002: Postdoctoral Scholar, California Institute of Technology (Caltech), U.S.A.
- 1992–1999: Summer Research Assistant, Teaching Assistant, and Head Teaching Assistant in Astronomy, Yale University, U.S.A.

Awards and Honors

Total grant awards since 2003 = \$1,866,329 with \$964,748 as Principal Investigator (PI).

Science grant awards since 2003 = \$1,171,329 with \$869,748 as PI.

Education and outreach grant awards since 2003 = \$695,000 with \$95,000 as PI.

Itemized details follow:

1. NASA Long Term Space Astrophysics (LTSA) grant, 2003 (\$558,000; PI):
'Structure and dynamics of local and intermediate redshift disks'
2. National Science Foundation (NSF) Grant, June 2006 (\$311,748; PI):
'Bars and their Impact on Galaxy Evolution over the Last Eight Billion Years'
3. NASA Hubble Space Telescope award GO-10428, 2004 (80 orbits; \$50,189; Co-I):
'Colors of QSO host galaxies at $z=2$ and the evolution of their stellar masses'
4. NASA Hubble Space Telescope award GO-10395, 2005 (31 orbits; \$72,977; Co-I):
'Environmental drivers of galaxy evolution:HST survey of A901/902 supercluster'
5. NASA Hubble Space Telescope award GO-10861, 2006 (164 orbits; \$57,105; Co-I):
'An ACS Treasury Survey of the Coma Cluster'

6. CalTech/JPL Spitzer grant (1288650), 2006 (\$53,042; Co-I): ‘*Understanding the Blue-Sequence E/S0*’
7. NASA Hubble Space Telescope award GO-11082, 2007 (180 orbits; \$68,268; Co-I): ‘*NICMOS Imaging of GOODS*’
8. NASA Education and Public Outreach award NNG 06GB99G, 2006 (\$45,000; PI): ‘*Building a Bridge to Texas High School Science Teachers and Students*’
9. NASA Education and Public Outreach award HST-EO-10861.35, 2007 (\$50,000; PI): ‘*A Cluster of Activities on Coma from the Hubble Space Telescope, StarDate, and McDonald Observatory*’
10. NSF STEM Undergraduate Education award (DUE-0807140), 2008 (\$600,000; Co-I): ‘*Scientists for Tomorrow*’
11. American Association of University Women Educational Fellowship, 1996
12. Amelia Earhart Fellowship, Zonta International, 1996
13. Yale University J. F. Enders Fellowship, Yale University, 1995
14. Sigma Xi Grants-in-Aid of Research, Sigma Xi Society, 1995
15. Yale University J. F. Enders Research Grant, Yale University, 1995
16. Garfinkel Prize, Yale University, 1992
17. Elected to status of Fellow, Cambridge University, England, 1990-1992
18. Academic scholarship in Physics, Cambridge University, England, 1989-1992

Research Interests and Role in Large Science Collaborations

- Research Interests : (1) Formation and evolution of galaxies as a function of redshift and environment (field, groups, clusters); (2) Impact of Bars and Interactions on Galaxy Evolution; (3) Starbursts and Active Galactic Nuclei.
- Member of five international science collaborations (GEMS, ACS-GOODS, STAGES, Coma ACS Treasury survey, and NICMOS-GOODS), which were set up from 2004 to 2007 to explore galaxy evolution using some of the largest multiwavelength surveys of galaxies to date (see description below). My research group and I are leading the science on barred galaxies in the GEMS, STAGES, Coma, and NICMOS-GOODS collaborations. We are also leading some of the papers on the history and impact of galaxy interactions in the GEMS, STAGES, and Coma collaborations. Our involvement in ACS-GOODS is only peripheral due to timing and conflicts of interest with some other teams.

(a) 2004/05: *Galaxy Evolution from Morphology and SEDS* (GEMS; 135 HST orbits; <http://www.mpia.de/GEMS/gems.htm>): GEMS is one of the largest contiguous fields imaged with *HST* in 2 filters, and uses HST data along with COMBO-17, Spitzer, Chandra, and GALEX data to study the evolution of $\sim 8,000$ galaxies ($R_{\text{Vega}} < 24$) over the last 8 Gyr.

(b) 2005/06: *Space Telescope Abell 901/902 Survey* (STAGES; GO-10395; 80 HST orbits): STAGES probes the physical drivers of galaxy evolution in the cluster and

supercluster environment of A901/902, using HST ACS, Spitzer, GALEX, Chandra, COMBO-17, and gravitational lensing data.

(c) 2006/07: *Coma Cluster HST ACS Treasury Survey* (GO-10861; 164 HST orbits): Uses HST ACS, Spitzer, GALEX, Chandra, and ground-based data for a benchmark study of Coma, the closest rich cluster in the local Universe.

(d) 2007/08: *Deep NICMOS imaging of GOODS* (GO-11082; 180 HST orbits): Uses HST NICMOS, along with Spitzer, GALEX, Chandra, ESA's XMM-Newton, and ground-based data to explore the assembly of disks at $z \sim 3$, and their activity.

Research Group and Advisees

- Postdoctoral Fellow Dr. Fabio Barazza (2004–2007, UT Austin; now at EFPL, Switzerland, working in the EDisCS collaboration)
- Postdoctoral Fellow Dr Ingo Berentzen (2004–2007, Univ. of Kentucky, in collaboration with Prof. Shlosman; now at Zentrum fur Astronomie, Heidelberg, Germany)
- Graduate Student Irina Marinova (Sep. 2005–Present, UT Austin)
- Graduate Student Amanda Heiderman (Sep. 2006–Present, UT Austin)
- Graduate Student Tim Weinzirl (Nov. 2006–Present, UT Austin)
- Graduate Student Naveen Reddy (2002, Caltech, co-supervised for term project)
- Master Level Data and Research Analyst: James Davies (2004–2006, STScI)
- Master Level Data and Research Analyst: Inge Heyer (2003-2004, STScI)
- Undergraduate Dean's Scholar Kyle Penner (Mar 2005–Present, UT Austin; accepted in the graduate program at the University of Arizona in 2008)
- Undergraduate Dean's Scholar Sarah Miller (May 2006–Present, UT Austin; awarded a Rhodes Scholarship in 2008 and will join the graduate program at Oxford)
- Undergraduate Kyle Lake (Sep. 2005–Apr. 2006, UT Austin)
- Undergraduate Steven Roloff (Sep. 2005–Dec. 2006, UT Austin)

Partial List of Colloquia and Talks at International Conferences

1. Invited colloquium, National Research Council of Canada, Herzberg Institute of Astrophysics, Canada (Nov. 2008)
2. Invited colloquium, University of British Columbia, Canada (Nov. 2008)
3. Invited review talk, Conference on bar dynamics along the Hubble sequence, Italy (Aug. 2008)
4. Invited talk, International Astronomical Union (IAU) Symposium 254, 'The Galaxy Disk in a Cosmological Context', Copenhagen, Denmark (June 2008): '*Observations Meet Theory: Merger Rates, Star Formation History, and Bulgeless Galaxies*'
5. Invited colloquium, Harvard University, Institute for Theory and Computation (Feb. 2008)
6. Invited colloquium, University of California at Santa Cruz (Jan. 2008)

7. Invited Plenary Talk, 211th American Astronomical Society Meeting (Jan. 2008): *'Evolution of Disk Galaxies: New Insights and Future Challenges'*
8. Invited talk, workshop on 'Galaxy and Black Hole Evolution: Towards a Unified View', University of Arizona (talks by invitation only; Nov. 2007): *'Fueling the Black Hole: Internal and External Triggers'*
9. Invited colloquium, University of Arizona (Nov. 2007)
10. Selected talk, conference on 'Formation and Evolution of Galaxy Disks', Rome, Italy (Oct. 2007): *'Fraction and Impact of Galaxy Interactions over the Last 7 Gyr'*
11. Invited colloquium, Space Telescope Science Institute (May 2006)
12. Selected talk, conference on 'Galaxies and Structures Through Cosmic Times', Venice, Italy (March 2006): *'Evolution of Bars over Eight Billion Years'*
13. Invited talk, conference on 'The Origin of the Hubble Sequence', Vulcano, Italy (June 2005)
14. Invited talk, conference on 'Dynamics of Galaxies', Las Vegas (May 2005)
15. Invited review talk, AAS Session 65, Galaxy Structure (June 2004): *'Evolution and Impact of Large-Scale Bars in the last 10 Gyr'*
16. Selected talk, conference on 'Penetrating Bars through Masks of Cosmic Dust: The Hubble Tuning Fork Strikes a New Note', South Africa (June 2004)
17. Invited lecturer, Lecture Series on AGN Research organized by the European Southern Observatory (Dec. 2003)
18. Invited talk, MPE/MPIA Ringberg conference on 'Center of Galaxies', Germany (Nov. 2002): *'Bar-Driven Evolution of the Central Kpc: Density Waves and Nuclear Bars'*
19. Invited talk, NASA Goddard Space Flight Center, Starburst Series (Sep. 2002): *'Evolution of the Inner Kpc: Fueling Central Starbursts and AGN'*
20. Selected talk, Meudon conference on 'Active Galactic Nuclei: from Central Engine to Host Galaxy', France (July 2002)
21. Invited talk, Center for Star Formation Studies, University of Santa Cruz (July 2001)
22. Miscellaneous Colloquia/Seminars/Team Workshops (2001–2007): University of Florida; Leiden Observatory; University of Massachusetts; NASA Goddard Space Flight Center (GSFC); Space Telescope Science Institute (STScI); California Institute of Technology (Caltech); Max Planck Institute for Astronomy (MPA) in Heidelberg, Germany; University of Nottingham, England.

Experience/Service

- Member of ALMA North American Science Advisory Committee (2007–present)
- Member of HST Cycle 15 Time Allocation Panel (2006)

- Member of the Giant Magellan Telescope (GMT) science working group (as of Aug. 2008)
- Member of the CCAT 25-m telescope UT science working (Jan. 2005–2007)
- Member of the home planning team for the Hubble ACS Ultra Deep Field (HUDF), the deepest Hubble Space Telescope optical imaging survey to date [2004]. Led and co-authored two planning documents: (1) *”Planning of the ACS Ultra Deep Field”*, by Joglee, S., Ferguson, H., Stiavelli, M., Panagia, N., and Riess, A. ; (2) *”Radio and Sub-mm Considerations for the ACS Ultra Deep Field”*, by Koekomoer, A., Joglee, S., Beckwith, S. V. W., and Stiavelli, M.. (www.stsci.edu/hst/udf)
- Member of Scientific Organizing Committee for the 3rd North American ALMA Science Center Meeting, to be held in mid-2009
- Chair of the Scientific Organizing Committee for the conference entitled ‘Galaxy Evolution: Emerging Insights and New Challenges’, to be held at UT Austin in Nov. 2008. (<http://www.as.utexas.edu/geeifc/>)
- Member of the Scientific Organizing Committee for the conference on galaxy dynamics along the Hubble sequence, to be held in Italy in Aug. 2008 (<http://www.astro.unipd.it/omega08/>)
- Member of the Scientific Organizing Committee for the STScI Symposium (May 2003)
- Undergraduate Advisor, Astronomy Department, UT Austin (Sep. 2005–Present)
- Member of Dean’s Scholars Steering Committee, UT Austin (Feb. 2006–Present)
- CNS Course and Curriculum representative, UT Austin (Sep. 2005–Jan. 2006)
- Member of selection committee for Mc Donald Fellowship, UT Austin (Jan. 2005)
- Supervised the work of 12 instrument scientists on phase II proposals for NASA’s Advanced Camera for Surveys (ACS), in my role as ACS Contact Scientist Lead and User Support Lead at the Space Telescope Science Institute (July 2002–Sep. 2004)
- Referee for articles in ApJ, ApJL, A&A (2000–Present)
- Member of the OVRO Time Allocation Committee, Caltech (1999–2002)
- Organizer of the Astronomy Department Science Talks, Caltech (1999–2000)

Educational Activities and Courses Taught

- Co-authored lecture series *’Physics of Active Galactic Nuclei at all Scales’*, Lecture Notes in Physics, Vol. 693, Eds. D. Alloin, R. Johnson, & P. Lira (Springer: Berlin Heidelberg). This textbook is aimed at Ph.D. students and young researchers.
- Used a UT FAST Tex Award for Instructional Innovation Techniques (2006), along with funding from NASA and NSF, to develop the *Galaxies and Cosmos Explorer Tool (GCET)*, an online tool to allow undergraduate students to actively engage in exploring the evolution of galaxies over a large fraction of the age of the Universe. (<http://www.as.utexas.edu/gcet/>)

- Initiated and developed a new course entitled ‘Practical Introduction to Research in Astronomy and Astrophysics’ for 2009, to better prepare undergraduates for research and support the CNS Undergraduate Research Initiative.
- AST 104: Undergraduate Astronomy Seminar (Fall 2009/49535)
- AST 358: Galaxies and the Universe (Upper Division Undergrad./Spr. 2008/49520)
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course/Spr. 2008/49590)
- AST 381c: Gravitational Dynamics (Graduate Course/Spr.2007/49030)
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course/Spr. 2007/49060)
- AST 301: Introduction to Astronomy (Undergraduate Course/Fall 2006/50405)
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course/Fall 2006/50585)
- AST 358: Galaxies and the Universe (Upper Division Undergrad./Spr. 2006/48195)
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course/Spr. 2006/48260)
- AST 301: Introduction to Astronomy (Undergraduate Course/Fall 2005/48310)
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course/Spr. 2005/46875)
- Lecturer for Honors colloquium, UT Austin (July 2005)
- Invited lecturer, Lecture Series on AGN Research organized by the European Southern Observatory (ESO) in Dec 2003
- Guest lecturer for ‘Gas Dynamics & ISM’ Graduate course, Caltech (2001)
- Training of new OVR0 observers for mm interferometry, Caltech (1999–2002)

Education and Public Outreach (EPO)

1. Developed EPO program sponsored by NASA and NSF, in collaboration with the McDonald EPO office, entitled ‘*Building a Bridge to Texas High School Science Teachers and Students*’.
2. Led the US-based EPO program for the HST ACS Treasury Survey of the Coma cluster. Worked with the McDonald EPO office to produce 5 Stardate radio programs on the Coma cluster, which were aired on May 5 to 9, 2008, to a weekly audience of over ten million people. 250,000 Spanish-speaking people were also reached via the Universo radio program. Other deliverables include the Universo Teacher’s Guide and class activities related to the ACS Treasury Survey of Coma Cluster. A Viewspace movie has been developed and is being shown in national museums across the country, starting Sep. 2008.
3. Used a UT FAST Tex Award for Instructional Innovation Techniques (2006), along with funding from NASA and NSF, to develop the *Galaxies and Cosmos Explorer Tool (GCET)*, an online tool to allow undergraduate students to actively engage in exploring the evolution of galaxies over a large fraction of the age of the Universe (<http://www.as.utexas.edu/gcet/>). Google Sky has initiated discussions to feature GCET activities on their site.

4. National Geographic, Jan 2008, media coverage: *'Hidden Black Holes, Swinging Young Universe Exposed'*
5. Joint NASA/UT Austin/McDonald Observatory Press Conference, Jan 2008: 'Study from Hubble, Spitzer Space Telescopes Reveals Cosmic Fireworks Fizzled Out at Universe Reached Mid-Life'.
6. Invited speaker, River Oaks Club, Houston, Texas (Feb 2006).
7. Press Conference at AAS 203rd meeting, Atlanta (2004): *'Hubble Makes Mosaic of 10,000 Galaxies'*. Press coverage in ACS news, Sky and Telescope, MSNBC, Reuters, Space News, Science Daily, Astro News German Max Planck Society Press Release Astrobiology magazine, etc

BIBLIOGRAPHY

Over the period 2004 to 2008, my research group at UT Austin has included three beginning graduate students (A. Heiderman, T. Weinzirl, I. Marinova), two undergraduate Dean scholars (S. Miller and K. Penner), and postdoctoral fellow F. Barazza. I also co-funded and worked with postdoctoral fellow I. Berentzen at the University of Kentucky to develop simulations of disks in triaxial halos in order to provide the theoretical framework for some of our empirical results. Many of the papers lead by my research group or me have long author lists as I am part of several large science collaborations (GEMS, STAGES, Coma ACS Treasury survey, and NICMOS-GOODS). I provide the following explanatory notes to clarify our role in these collaborations and my role as second author.

(1) My research group and I are leading the science on barred galaxies in the GEMS, STAGES, Coma, and NICMOS-GOODS collaborations, and leading some of the papers on the history and impact of galaxy interactions in the GEMS, STAGES, and Coma collaborations.

(2) My bibliography includes a number of second author papers on bars and galaxy interactions, where the first author is one of the six members of my UT group. I would note that my contributions in such papers are highly substantial as none of my group members had prior expertise in any of these two areas, and in particular, these papers are the very first ones written by all five students. As outlined in my research statement, my contributions involved setting the scientific goals of the paper; developing the methodology, software, and machinery used in the bar and merger papers; working closely with group members on the analysis; and helping to write the final paper.

Refereed Publications

1. **Jogee, S.**, Miller, S., Penner, K., Skelton, R. E., Conselice, C. J., Somerville, R. S., Bell, E. F., the GEMS collaboration, 2008, ApJ, submitted: *‘History of Galaxy Interactions and Their Impact on Star Formation over the Last 7 Gyr from GEMS’* [Submitted copy at www.as.utexas.edu/~sj/pt/interactions-sf-GEMS.2008.pdf]
2. Weinzirl, T., **Jogee, S.**, Khochfar, S., Burkert, A., & Kormendy, J. 2008, ApJ, submitted (arXiv:0807.0040): *‘Bulge n and B/T in High Mass Galaxies: Constraints on the Origin of Bulges in Hierarchical Models’* [Submitted copy at www.as.utexas.edu/~sj/pt/origin-of-bulges.2008.pdf]
3. Marinova, I., **Jogee, S.**, Bacon, D. J., et al., & the STAGES collaboration, 2008, ApJ, submitted: *‘Barred Galaxies in the Abell 901/2 supercluster with STAGES’* [Copy at www.as.utexas.edu/~sj/pt/bars-STAGES.pdf]
4. Heiderman, A., **Jogee, S.**, Bacon, D. J., et al., & the STAGES collaboration, 2008, ApJ, in prep. (submission by Sep 16, 2008): *‘Interacting Galaxies in the Abell 901/902 supercluster with STAGES’* [Draft in final iteration at www.as.utexas.edu/~sj/pt/interactions-STAGES.pdf]
5. Barazza, F. D., **Jogee, S.**, & Marinova, I. 2008, ApJ, 675, 1194: *‘Bars in Disk-Dominated and Bulge-Dominated Galaxies at $z = 0$: New Insights from 3600 SDSS Galaxies’*

6. Barazza, F. D., Jablonca, P., Desai, V., **Jogee, S.**, Aragón-Salamanca, A., & the ESO Distant Clusters Survey (EDisCS) collaboration 2008, ApJ, submitted: *'Frequency and properties of bars in cluster and field galaxies at intermediate redshifts from EDisCS'*
7. Gray, M. et al. & the STAGES collaboration, 2008, MNRAS, submitted.
8. Gallazi, A. et al. & the STAGES collaboration, 2008, ApJ, submitted.
9. Chris, W. et al. & the STAGES collaboration, 2008, MNRAS, submitted.
10. Caldwell, J. A. R., McIntosh, D. H., Rix, H.-W., Barden, M., Beckwith, S. V. W., Bell, E. F., Borch, A., Heymans, C., Häußler, B.; Jahnke, K.; **Jogee, S.**, Meisenheimer, K., Peng, C. Y., Snchez, S. F., Somerville, R. S., Wisotzki, L., Wolf, Christian 2008, Apjs, 174, 136: *'GEMS Survey Data and Catalog'*
11. Somerville, R. S., Barden, M., Rix, H.-W., Bell, E. F., Beckwith, S. V. W.; Borch, A., Caldwell, J. A. R., Häußler, B., Heymans, C., Jahnke, K., **Jogee, S.**, McIntosh, D. H., Meisenheimer, K., Peng, C. Y.; Snchez, S. F., Wisotzki, L., Wolf, C. 2008, ApJ, 672, 776: *'An Explanation for the Observed Weak Size Evolution of Disk Galaxies'*
12. Carter, D. Goudfrooij, P., Mobasher, B., Ferguson, H. C., Puzia, T. H., Aguerri, A. L., Balcells, M.; Batcheldor, D., Bridges, T. J., Davies, J. I.; Erwin, P., Graham, A. W., Guzmán, R., Hammer, D., Hornschemeier, A., Hoyos, C., Hudson, M. J., Huxor, A., **Jogee, S.**, Komiyama, Y., Lotz, J., Lucey, J. R., Marzke, R., Merritt, D., Miller, B. W., Miller, N. A., Mouhcine, M., Okamura, S., Peletier, R. F., Phillipps, S., Poggianti, B. M.; Sharples, R. M., Smith, R. J.; Trentham, N., Tully, R. B., Valentijn, E., Verdoes K. G. 2008, 2008, ApJS, 176, 424: *'The HST/ACS Coma Cluster Survey: I - Survey Objectives and Design'*
13. Heymans, C., Gray, M. E., Peng, C. Y., Van Waerbeke, L., Bell, E. F., Wolf, C., Bacon, D., Balogh, M., Barazza, F. D., Barden, M., Boehm, A., Caldwell, J. A. R., Häußler, B., Jahnke, K., **Jogee, S.**, van Kampen, E., Lane, K., McIntosh, D. H., Meisenheimer, K., Mellier, Y., Sanchez, S. F.; Taylor, A. N., Wisotzki, L., Zheng, X. 2008, MNRAS, 385, 1431: *'The dark matter environment of the Abell 901/902 supercluster: a weak lensing analysis of the HST STAGES survey'*
14. Häußler B., McIntosh, D. H., Barden, M., Bell, E. F., Rix, H.-W., Borch, A., Beckwith, S. V. W., Caldwell, J. A. R., Heymans, C., Jahnke, K., **Jogee, S.**, Kuposov, S. E., Meisenheimer, K., Snchez, S. F., Somerville, R. S., Wisotzki, L., Wolf, C. 2007, Apjs, 172, 615: *'GEMS: Galaxy Fitting Catalogs and Testing Parametric Galaxy Fitting Codes GALFIT and GIM2D'*
15. Marinova, I. & **Jogee, S.** 2007, ApJ, 659, 1176: *'Characterizing Bars at $z \sim 0$ in the optical and NIR: Implications for the Evolution of Barred Disks with Redshift'*
16. Barazza, F.D., **Jogee, S.**, Rix, H.-W., Barden, M. et al, 2006, ApJ, 643, 162: *'Color, Structure, and Star Formation History of Dwarf Galaxies over the last ~ 3 Gyr with GEMS and SDSS'*
17. Berentzen, I., Shlosman, I., & **Jogee, S.** 2006, ApJ, 637, 582: *'Stellar Bar Evolution in Cuspy and Flat-Cored Triaxial CDM Halos'*

18. Bell, E. F., Naab, T., McIntosh, D. H., Somerville, R. S., Caldwell, J. A. R., Barden, M., Wolf, Christian, Rix, H-W, Beckwith, S. V., Borch, A., Häußler, B., Heymans, C., Jahnke, K., **Jogee, S.**, Kaposov, S., Meisenheimer, K., Peng, C. Y., Sanchez, S. F., Wisotzki, L. 2006, ApJ, 640, 241: ‘*Dry Mergers in GEMS: The Dynamical Evolution of Massive Early-Type Galaxies*’
19. Beckwith, S. V. W., Stiavelli, M., Koekemoer, A. M., Caldwell, J. A. R., Ferguson, H. C., Hook, R., Lucas, R. A., Bergeron, L. E., Corbin, M., **Jogee, S.**, Panagia, N., Robberto, M., Royle, P., Somerville, R. S., Sosey, M. 2006, AJ, 132, 1729: ‘*The Hubble Ultra Deep Field*’
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21. **Jogee, S.**, Scoville, N., & Kenney, J. D. P. 2005, ApJ, 630, 837: ‘*The Central Region of Barred Galaxies: Molecular Environment, Starbursts, and Secular Evolution*’
22. Wolf, C., Bell, E. F., McIntosh, D. H., Rix, H.-W., Barden, M., Beckwith, S. V. W., Borch, A., Caldwell, J. A. R., Häußler, B., Heymans, C., Jahnke, K., **Jogee, S.**, Meisenheimer, K., Peng, C. Y., Snchez, S. F., Somerville, R. S., Wisotzki, L. 2005, ApJ, 630, 771: ‘*GEMS: Which Galaxies Dominate the $z \approx 0.7$ Ultraviolet Luminosity Density?*’
23. McIntosh, D. H., Bell, E. F., Rix, H-W, Wolf, C., Heymans, C., Peng, Chien Y., Somerville, R. S., Barden, M., Beckwith, S. V. W., Borch, A., Caldwell, J. A. R., Häußler, B., Jahnke, K., **Jogee, S.**, Meisenheimer, K., Snchez, S. F., Wisotzki, L. 2005, ApJ, 632, 191: ‘*The Evolution of Early-type Red Galaxies with the GEMS Survey: Luminosity-size and Stellar Mass-size Relations Since $z=1$* ’
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28. Mobasher, M., **Jogee, S.**, Dahlen, T., de Mello, D., Lucas, R. A., Conselice, C. J., Grogin, N. A., & Livio M. 2004, ApJL, 600/2, 74: ‘*Structure and Evolution of Starburst and Normal Galaxies in the GOODS*’
29. Conselice, C. J., Grogin, N. A., **Jogee, S.**, Lucas, R. A., de Mello, D., Gardner, J. P., Mobasher, M., & Ravindranath, S. 2004, ApJL, 600/2, 9: ‘*Observing the formation of the Hubble sequence in GOODS Hubble Space Telescope Images*’
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