

# Curriculum Vitae and Bibliography

## Shardha Jogee

### Address

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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

Grant Awards since 2003 = \$1,124,385 with \$964,748 as Principal Investigator.

- NASA Long Term Space Astrophysics (LTSA) grant, 2003 (\$558,000, PI).  
*‘Structure and dynamics of local and intermediate redshift disks’*
- National Science Foundation (NSF) Grant, June 2006 (\$311,748, PI).  
*‘Bars and their Impact on Galaxy Evolution over the Last Eight Billion Years’*
- NASA Hubble Space Telescope Cycle 16 award GO-11082, 2007 (180 orbits;\$68,268).  
*‘NICMOS Imaging of GOODS’*
- NASA Hubble Space Telescope Cycle 15 award GO-10861, 2006 (164 orbits;\$57,105).  
*‘An ACS Treasury Survey of the Coma Cluster’*
- NASA Hubble Space Telescope Cycle 13 award GO-10395, 2005 (31 orbits;\$72,977).  
*‘Environmental drivers of galaxy evolution:HST survey of A901/902 supercluster’*
- NASA Hubble Space Telescope Cycle 13 award GO-10428, 2004 (80 orbits;\$50,189).  
*‘Colors of QSO host galaxies at z=2 and the evolution of their stellar masses’*
- NASA Education and Public Outreach award, 2006 (\$45,000, PI).  
*‘Building a Bridge to Texas High School Science Teachers and Students’*

- NASA Education and Public Outreach award, 2007 (\$50,000, PI).  
' *A Cluster of Activities on Coma from the Hubble Space Telescope, StarDate, and McDonald Observatory.*'
- American Association of University Women Educational Fellowship (AAUWEF), 1996.
- Amelia Earhart Fellowship, Zonta International, 1996.
- Yale University J. F. Enders Fellowship, Yale University, 1995.
- Sigma Xi Grants-in-Aid of Research, Sigma Xi Society, 1995.
- Yale University J. F. Enders Research Grant, Yale University, 1995.
- Garfinkel Prize, Yale University, 1992.
- Elected to status of Fellow, Cambridge University, England, 1990-1992.
- Academic UG scholarship in Physics, Cambridge Univ., England, 1989-1992.

### Research Interests and Membership in Large International Science Projects

- Research Interests : (1) Formation and evolution of galaxies as a function of redshift and in diverse environments, ranging from fields to rich clusters; (2) Impact of Bars and Interactions on Galaxy Evolution; (3) Starbursts and Active Galactic Nuclei.
- Invited on five large international science collaborations from 2004 to 2007, to lead the science on barred disks (for GEMS, STAGES, Coma, NICMOS imaging of GOODS), and co-lead the science on merger and interaction history of galaxies (for GEMS, STAGES, and Coma). These collaborations are conducting some of the largest multiwavelength surveys of galaxies to date and include the following:
  1. **2004:** *Galaxy Evolution from Morphology and SEDS (GEMS; 135 orbits):* GEMS is one of the largest contiguous fields imaged with *HST* in 2 filters (F606W) and F850LP). It uses HST data along with COMBO-17, Spitzer, Chandra, and GALEX data to study the evolution of 8,500 galaxies ( $R < 24$ ) over the last 8 Gyr. ([www.mpia.de/GEMS/gems.htm](http://www.mpia.de/GEMS/gems.htm))
  2. **2004:** *GOODS (peripheral involvement only due to conflict with GEMS)*
  3. **2005:** *Space Telescope Abell 901/902 Survey (STAGES; G0-10395; 80 orbits):* STAGES probes the physical drivers of galaxy evolution in dense environments, using HST ACS, Spitzer, GALEX, Chandra, Combo-17, and gravitational lensing data.
  4. **2006:** *Coma Cluster HST ACS Treasury Survey (G0-10861; 164 orbits):* Uses HST ACS Spitzer, GALEX, Chandra, and ground-based data for a benchmark study of Coma, the closest rich regular cluster in the local Universe.
  5. **2007:** *Deep NICMOS imaging of GOODS (GO-11082; 180 orbits):* Uses HST NICMOS3, along with Spitzer, GALEX, Chandra, ESA's XMM-Newton, and ground-based data to explore the epoch of disk assembly at  $z \sim 3$  and the star formation and AGN activity.

## Partial List of Invited Talks

1. Invited Talk, IAU Symposium 254, “The Galaxy Disk in Cosmological Context”, The Niels Bohr Institute, Copenhagen, Denmark (June 2008): *‘Observations Meet Theory: Merger Rates, Star Formation History, and Bulgeless Galaxies’*
2. Invited Review Talk, Galaxy Dynamics along the Hubble Sequence, Italy, Aug 2008
3. Invited Colloquium, Harvard ITC, (Feb 2008)
4. Invited Colloquium, University of California at Santa Cruz (Jan 2008)
5. Invited Plenary Talk, 211th American Astronomical Society Meeting (Jan 2008): *‘Evolution of Disk Galaxies: New Insights and Future Challenges’*
6. Invited Talk, Workshop on ‘Galaxy and Black Hole Evolution: Towards a Unified View’, University of Arizona TAP (attendance by invitation only; Nov 2007): *‘Fueling the Black Hole: Internal and External Triggers’*
7. Invited Colloquium, University of Arizona, (Nov 2007)
8. Member of Scientific Organizing Committee (SOC) for Conference on Galaxy Dynamics along the Hubble Sequence, to be held in Italy in Aug 2008. (<http://www.astro.unipd.it/omega08/>)
9. Chair and member of Scientific Organizing Committee (SOC) for Conference on “Galaxy Evolution: Emerging Insights and New Challenges”, to be held at UT Austin in Nov 2008. (<http://www.as.utexas.edu/geeifc/>)
10. Selected talk, Conference on “Formation and Evolution of Galaxy Disks”, Rome (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, ‘Galaxies and Structures Through Cosmic Times’ conference, Venice (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, USA. (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. Invited 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 on AGN Research organized by the European Southern Observatory (Dec 2003)
18. Member of the Scientific Organizing Committee for the STScI May 2003 Symposium.
19. Invited talk, MPE/MPIA Ringberg Workshop on ‘Center of Galaxies’ (Nov 2002): *‘Bar-Driven Evolution of the Central Kpc : Density Waves and Nuclear Bars’*
20. Invited talk, NASA Goddard Space Flight Center, Starburst Series (Sep 2002): *‘Evolution of the Inner Kpc: Fueling Central Starbursts and AGN’*

21. Invited talk, Meudon Conference on ‘Active Galactic Nuclei: from Central Engine to Host Galaxy’ (July 2002): ‘*Bar-Driven Spiral Density Wave in NGC 5248*’
22. Invited talk, Center for Star Formation Studies, University of Santa Cruz (July 2001).
23. Miscellaneous Colloquia/Seminars (2001–2007): University of Florida; Leiden Observatory; University of Massachusetts; 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.

### Research Group and Advisees

- Postdoctoral Fellow Dr. Fabio Barazza (2004–2007, UT Austin)
- Postdoctoral Fellow Dr Ingo Berentzen (2004–2007, U of Kentucky, in collaboration with Prof. Shlosman).
- Graduate Student Irina Marinova (July 2005–Present, UT Austin)
- Graduate Student Tim Weinzirl (Jan 2007–Present; UT Austin)
- Graduate Student Amanda Heidermann (Sep 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).
- Dean’s Scholar Kyle Penner (Mar 2005–Present, UT Austin;)
- Dean’s Scholar Sarah Miller (May 2006–Present; UT Austin; awarded Rhodes Scholarship in 2008)
- Undergraduate Kyle Lake (Sep 2005–Apr 2006, UT Austin)
- Undergraduate Steven Roloff (Sep 2005–Dec 2006, UT Austin)

### Experience/Service

- Member of ALMA North American Science Advisory Committee (2007 –present)
- Member of HST Cycle 15 Time Allocation Panel (2006).
- 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 Jogee, 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., Jogee, S., Beckwith, S. V. W., and Stiavelli, M.. ([www.stsci.edu/hst/udf](http://www.stsci.edu/hst/udf))
- Referee for articles in ApJ, ApJL, A&A (2000–Present).
- 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 UT science working group for CCAT 25-m telescope (Jan 2005–present).

- Member of selection committee for Mc Donald Fellowship, UT Austin (Jan 2005).
- Supervised and directed the work of 12 instrument scientists in the Hubble Advanced Camera for Surveys (ACS) team in my position as ACS Contact Scientist Lead and User Support Lead at the Space Telescope Science Institute (July 2002–Sep 2004).
- Member of the OVRO Time Allocation Committee, Caltech (1999–2002).
- Organizer of the Astronomy Department Science Talks, Caltech (1999–2000).

### Teaching Experience

- UT Austin FAST Tex Award for Instructional Innovation Techniques (2006).
- Dean’s Fellow’s Leave (Spr 08) for development of a new course: ‘Practical Introduction to Research in Astronomy and Astrophysics’.
- AST 358: Galaxies and the Universe (Upper Division UG/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 UG/Spr. 2006 48195)
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course/Spr. 2006 48260)
- AST 301: Introduction to Astronomy (Undergraduate Course/Fall 2005 48310)
- Honors colloquium for high school seniors, UT Austin (July 2005).
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course/Spr. 2005 46875)
- 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)
- Lecturer for undergraduate courses, Yale University (1994–1996).

### Education and Public Outreach (EPO)

1. Developed, in collaboration with McDonald EPO office, EPO program sponsored by NASA and NSF: ‘*Building a Bridge to Texas High School Science Teachers and Students*’.
2. Developed, in collaboration with McDonald EPO office, NASA-sponsored EPO program to produce 5 Stardate radio programs, Universo Teacher’s Guide and class activities related to the ACS Treasury Survey of Coma Cluster.
3. Developed *Galaxies and Cosmos Explorer Tool (GCET)*, an online tool to allow the public and students to actively engage in exploring the evolution of galaxies over a large fraction of the age of the Universe. Funded by NASA, NSF, and UT. <http://www.as.utexas.edu/gcet/>

4. National Geographic, Jan 2008, media coverage': *'Hidden Black Holes, Swinging Young Universe Exposed'*
5. Joint NASA/UT Austin/McDonald Observatory Press Release, 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: *'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

### **Textbook**

- Co-author of textbook *'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 in the field of AGN research.

## BIBLIOGRAPHY

**Work done as part of large collaborations:** As outlined in my CV, from 2004 to 2007, I was invited to join five large international science collaborations, which are conducting some of the largest multiwavelength surveys of galaxies to date (GEMS, GOODS, STAGES Abell 901/902 survey, Coma Cluster ACS Treasury survey, Deep NICMOS imaging of GOODS). Questions are sometimes raised about the ‘independence’ of research conducted within large collaborations, and long author lists. Below is an explanation of how my research fits within these teams.

1. I was invited on these collaborations to lead the science on barred disks (for GEMS, STAGES, Coma, NICMOS imaging of GOODS) and co-lead the science on merger and interaction history of galaxies (for GEMS, STAGES and Coma). In these areas, I define the science goals and science questions; develop the methodology to be used; and extend the machinery to various projects by working closely with my research group, which includes three beginning graduate students (A. Heiderman, T. Weinzirl, I. Marinova), two undergraduates (S. Miller and K. Penner), and postdoc F. Barazza. Specific examples of my contributions are given in my research statement.
2. I am ultimately responsible for the quality of the science that the UT group delivers in these high profile collaborations. Since my 3 graduate students and 2 undergraduate students are still learning the skills of the trade, this requires me to spend a large amount of time independently verifying the results by repeating the analyses.
3. For papers led by me or members of my research group in these two areas (bars, mergers), the vast majority of the core analysis and paper writing is done by our group at UT, despite the long author list.
4. Due to (1) (2) (3), my contributions are significant in second author papers where the first author is one of the 5 students or postdoc in my group. My recent second and first author papers include 14 conference proceedings in the last year (see astro-ph) and 8 ApJ papers in the last year (3 published; 4 in preparation with drafts online and expected submission by May 2008)

### Refereed Publications

1. **Jogee, S.**, Miller, S., Penner, K.; Bell, E. F., Zheng, X. Z, Papovich, C., Conselice, C., Skelton, R. E., Somerville, R. S., Rix, H. W., Robaina, A. R., Barazza, F. D., Barden, M., Borch, A., Beckwith, S. V. W., Caldwell, J. A. R., Haeussler, B., Heymans, C., Jahnke, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Robaina, A. R., Sanchez, S. F., Wisotzki, L., Wolf, C. 2008a, ApJ, in prep: *‘History of Galaxy Interactions and their Impact on Star Formation over the Last 7 Gyr from GEMS’* (**Draft:** [www.as.utexas.edu/~sj/pt/draft.sj.GEMS.pdf](http://www.as.utexas.edu/~sj/pt/draft.sj.GEMS.pdf) (May submission))
2. Marinova, I., **Jogee, S.**, Bacon, D. J., Balogh, M. L., Barden, M., Barazza, F. D., Bell, E. F., Boehm, A., Caldwell, J. A. R., Gray, M. E., Haeussler, B., Heymans, C.,

- Jahnke, K., van Kampen, E., Kopolov, S., Lane, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Rix, H. W., Sanchez, S. F., Somerville, R., Taylor, A. N., Wisotzki, L., Wolf, C., Zheng, X. 2008, ApJ, in prep: ‘*The Evolution of Barred Disks as a Function of Environment: Constraints from the A901/2 Supercluster with STAGES*’ (Draft: [www.as.utexas.edu/~sj/pt/draft.im.sj.STAGES.pdf](http://www.as.utexas.edu/~sj/pt/draft.im.sj.STAGES.pdf) (May submission))
3. Weinzirl, T., **Jogee, S.**, & Barazza, F. 2008, ApJ, in prep: ‘*Quantifying Bulges, Bars, and Bulgeless Galaxies Across the Hubble Sequence*’ (Draft: [www.as.utexas.edu/~sj/pt/draft.tw.sj.bulgeless.pdf](http://www.as.utexas.edu/~sj/pt/draft.tw.sj.bulgeless.pdf) (May submission))
  4. Heiderman, A., **Jogee, S.**, Bacon, D. J., Balogh, M. L., Barden, M., Barazza, F. D., Bell, E. F., Boehm, A., Caldwell, J. A. R., Gray, M. E., Haeussler, B., Heymans, C., Jahnke, K., van Kampen, E., Kopolov, S., Lane, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Rix, H. W., Sanchez, S. F., Somerville, R., Taylor, A. N., Wisotzki, L., Wolf, C., Zheng, X. 2008, ApJ, in prep: ‘*Properties of Interacting Galaxies and Influence of Environment in the A901/02 Supercluster from STAGES*’ (Draft: [www.as.utexas.edu/~sj/pt/draft.ah.sj.STAGES.pdf](http://www.as.utexas.edu/~sj/pt/draft.ah.sj.STAGES.pdf) (May submission))
  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. 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., Sanchez, S. F., Somerville, R. S., Wisotzki, L., Wolf, Christian 2008, Apjs, 174, 136 ‘*GEMS Survey Data and Catalog*’
  7. 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.; Sanchez, S. F., Wisotzki, L., Wolf, C. 2008, ApJ, 672, 776 ‘*An Explanation for the Observed Weak Size Evolution of Disk Galaxies*’
  8. 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, ApJ, accepted (arXiv:0801.3745) ‘*The HST/ACS Coma Cluster Survey: I - Survey Objectives and Design*’
  9. 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, accepted (arXiv:0801.1156) ‘*The dark matter environment of the Abell 901/902 supercluster: a weak lensing analysis of the HST STAGES survey*’
  10. 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.**,



- Koposov, 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*’
11. 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*’
  12. 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  $\sim 3$  Gyr with GEMS and SDSS*’
  13. Berentzen, I., Shlosman, I., & **Jogee, S.** 2006, *ApJ*, 637, 582: ‘*Stellar Bar Evolution in Cuspy and Flat-Cored Triaxial CDM Halos*’
  14. 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., Koposov, 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*’
  15. 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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  17. **Jogee, S.**, Scoville, N., & Kenney, J. D. P. 2005, *ApJ*, 630, 837: ‘*The Central Region of Barred Galaxies: Molecular Environment, Starbursts, and Secular Evolution*’
  18. 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  $z = 0.7$  Ultraviolet Luminosity Density?*’
  19. 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  $z=1$* ’
  20. Grogin, N. A., Conselice, C. J., Chatzichristou, E., Alexander, D. M., Bauer, F. E., Hornschemeier, A., **Jogee, S.**, Koekemoer, A. M., et al. 2005, *ApJL*, 627, L97 ‘*AGN Host Galaxies at  $z = 0.4-1.3$ : Bulge-dominated and Lacking Merger-AGN Connection*’
  21. Heymans, C., Brown, M. L., Barden, M., Caldwell, J. A. R., Jahnke, K., Rix, H.-W., Taylor, A., Beckwith, S.V.W., Bell, E. F., Borch, A., Häußler, B., **Jogee, S.**,

- McIntosh, D. H., Meisenheimer, K., Peng C. Y., Sanchez, S. F., Somerville, R. S., Wisotzki, L., & Wolf, C. 2005, MNRAS, 361, 160: '*Cosmological weak lensing with the HST GEMS survey*'
22. Barden, M., Beckwith, S.V.W., Bell, E. F., Borch, A., Caldwell, J. A. R., Häußler, B., Heymans, C., Jahnke, K., **Jogee, S.**, McIntosh, D. H., Meisenheimer, K., Peng C. Y., Rix, H.-W., Sanchez, S. F., Somerville, R. S., Wisotzki, L., & Wolf, C. 2005, ApJ, 635, 959 '*GEMS: The Size Evolution of Disk Galaxies*'
  23. **Jogee, S.**, Barazza, F., Rix, H.-W., Shlosman, I., Barden, M., Wolf, C. W., Davies, J., Heyer, I., Beckwith, S. V. W., Bell, E. F., et. al. 2004, ApJL, 615, L105: '*Bar Evolution Over the Last Eight Billion Years: A Constant Fraction of Strong Bars in GEMS*'
  24. 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*'
  25. 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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### **Textbook**

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### **Technical Publications**

1. Koekomoer, A., **Jogee, S.**, Beckwith, S. V. W., and Stiavelli, M. 2003: '*Radio and Sub-mm Considerations for the ACS Ultra Deep Field*' (<http://www.stsci.edu/science/udf>)
2. **Jogee, S.**, Ferguson, H., Stiavelli, M., Panagia, N., and Riess, A., 2002: '*Planning of the ACS Ultra Deep Field*' (<http://www.stsci.edu/science/udf>)
3. **Jogee, S.** 2003: '*A primer for ACS instrument reviews of Phase II proposals*' (<http://www.stsci.edu/hst/acs/phase2support/>)