

# Curriculum Vitae (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. (1992), M.A. (1995).

## Employment

- 2015–Present: Astronomy Department Chair, University of Texas at Austin.
- 2014–2015: Astronomy Department Associate Chair, University of Texas at Austin.
- 2014–Present: Professor, Astronomy, University of Texas at Austin.
- 2009–2013: Associate Professor, Astronomy, University of Texas at Austin.
- 2004–2008: Assistant Professor, Astronomy, University of Texas at Austin.
- 2002–2004: Assistant Astronomer, Space Telescope Science Institute.<sup>1</sup>
- 1998–2002: Postdoctoral Scholar, California Institute of Technology (Caltech)

## Leadership and Administrative Experience

Details are provided in a separate document available upon request.

- Chair of the Astronomy Department at the University of Texas at Austin, responsible for the governance, operations, budget, strategic vision plan, research and teaching mission, faculty development, philanthropy, and external relations of a department with ~200 members (Sep. 2015–Present).
- Associate Chair of the Astronomy Department at the University of Texas at Austin (2014–2015).
- Invited member of the UT College of Natural Sciences Strategic Planning Task, which worked collaboratively with the new Dean, Linda Hicke, to set up a five-year strategic vision plan for the college’s future. Led the white paper on “Graduate Student Support” and co-authored the white paper on “Faculty Hiring Practices” (2012–13).
- UT representative in the Leadership Texas program for women leaders in industry, business, government, and academia (2014).
- Member of the Advisory Council for the Texas Institute for Discovery Education in Science (TIDES) (2014–2015).

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<sup>1</sup>Space Telescope Science Institute (STScI) oversees the scientific operations of NASA’s *Hubble Space Telescope* and the future James Webb Space Telescope.

- Invited member of the Heising-Simons Foundation Physics and Astronomy Leadership Council (PALC) to develop local and national initiatives to recruit, retain, and advance women in STEM (2017).
- Astronomy Undergraduate Advisor, Astronomy Graduate Studies Committee (GSC) Chair, Member of Astronomy Faculty Search Committees, and lead of federally-funded STEM outreach programs (2005–Present).
- Awarded  $\sim$ \\$3.4 M in external research and education grants. Research grants account for  $\sim$ \\$2.8 M, of which  $\sim$ \\$2.2 M are from grants where I am the Principal Investigator (2004–2017).
- Served on scientific advisory panels for federal funding agencies (e.g., NASA, NSF) and time allocation panels for international research facilities (2006–Present).
- Lead for core scientific investigations in five large international science collaborations, which conducted some of the largest or deepest galaxy surveys at the time (e.g., GEMS, STAGES, ACS Treasury survey of Coma, GOODS NICMOS Survey, SHELA/HETDEX) (2002–Present).
- Instrument scientist at the Space Telescope Science (STScI) Institute for NASA’s Advanced Camera for Surveys (ACS), which was the most advanced instrument on the Hubble Space Telescope in 2002. As team leader for the Phase II proposal process for ACS, I led a team of 12 tenured and tenure-track scientists to design and optimize the scientific programs for ACS on Hubble (2002–2004).
- Core member of the STScI home team that designed the Hubble Ultra Deep Field (HUDF), the deepest optical image ever made of the Universe, and presented it to the media through scientific panels (2002–2004).
- Member of the International Astronomical Union (IAU) Commission 28 on Galaxies (2009–2013).
- Member of the Nominating Committee, American Astronomical Society (AAS), Division of Dynamical Astronomy (2010–2011).
- Member of the ALMA North American Science Advisory Committee (2007–2010).
- Member of the Giant Magellan Telescope (GMT) science working group (2008–2009).

**Summary of Grant Awards:** I have been awarded  $\sim$ \\$3.4 M in external research and education grants over the period 2004 to 2017. Research grants account for  $\sim$ \\$2.8 M, of which  $\sim$ \\$2.2 M are from grants where I am the Principal Investigator. Education and outreach grants account for  $\sim$ \\$0.7 M. For multi-institution grants, the grant amounts listed above include *only* the amount awarded to my institution with me as PI, Co-PI, or Co-I. A detailed list of grant awards is provided in Appendix A of the CV. Below are a few selected awards:

1. PI: National Science Foundation Research Experience for Undergraduates (REU) grant, 2018-2021 (\\$399,000): ‘*Frontier Research and Training in Astronomy for the 21st Century*’.

2. PI: National Science Foundation Astronomy and Astrophysics Grant (AAG), 2015-2018 (\$367,772 awarded to UT Austin out of a total award of \$873,000): ‘*Collaborative Research: Galaxy Growth in Different Environments from  $z=1.9$  to 3.5.*’
3. UT PI: NASA, Strategic University Research Partnerships Program, 2014 (\$75,000): ‘*Galaxy Growth at  $z \sim 2 - 4$ : From Voids to Proto-Clusters.*’
4. PI: National Science Foundation Astronomy and Astrophysics Grant (AAG), 2014-2018 (\$297,613): ‘*Unveiling the Assembly History of Galaxies by Dissecting their Structure, Chemical Evolution, and Stellar Populations.*’
5. PI: Norman Hackerman Advanced Research Program (NHARP) grant, 2010-2013 (\$149,000): ‘*Student Support for VENGA: Understanding Galaxy Evolution in the Nearby Universe.*’
6. PI: NASA Long Term Space Astrophysics (LTSA) grant, 2003-2011 (\$558,000): ‘*Structure and dynamics of local and intermediate redshift disks.*’
7. PI: National Science Foundation Astronomy and Astrophysics Grant (AAG), 2006-2011 (\$311,748): ‘*Bars and their Impact on Galaxy Evolution over the Last Eight Billion Years.*’
8. Co-PI: NSF STEM Undergraduate Education award (DUE-0807140), 2008 (\$600,000): ‘*Scientists for Tomorrow.*’

**Summary of Publications:** As of September 2017, my publication record includes 186 publications of which 77 are peer-reviewed refereed publications in high impact journals. My publications have received over 6990 citations, my current citation rate is over 530 citations per year, and my h-index is 41. A detailed publication list is provided in Appendix B of the CV.

**Summary of Talks:** I have presented over 60 invited colloquia and talks at universities and conferences (e.g., in USA, England, France, Germany, the Netherlands, Italy, Spain, Chile, South Africa, etc) on research, STEM education, and academic leadership. A detailed list of talks is provided in Appendix C of the CV.

## Research Program

- **Overview:** My research addresses central questions on the evolution of galaxies as a function of cosmic epoch, mass, and environment. How do galaxies grow their stars, black holes, and dark matter halos across cosmic time and vastly different environments? What is the role played by theoretically predicted growth modes, such as violent mergers of galaxies and slower more ‘quiescent’ modes (e.g., gas accretion along cosmological filaments and secular evolution driven by bars)? How do galaxy clusters – some of the largest bound structures in the Universe – form?
- **International Science Collaborations:** I am a member of the following international science collaborations, which have conducted some of the largest or deepest galaxy surveys to date. Within these collaborations, my research group have *led* a dozen papers on the structure, merger, and assembly history of galaxies that have contributed to over 800 citations (among my total citations of  $\sim 6990$ ).

- Galaxy Evolution from Morphology and SEDs (GEMS).<sup>2</sup>
  - Great Observatories Origins Deep Survey (GOODS).<sup>3</sup>
  - Hubble ACS Ultra Deep Field (HUDF).
  - Space Telescope A901/902 Galaxy Evolution Survey (STAGES).<sup>4</sup>
  - HST ACS Treasury Survey of the Coma Cluster.<sup>5</sup>
  - GOODS-NICMOS Survey (GNS) of Massive Galaxies at  $z \sim 2$ .
  - The VIRUS-P Exploration of Nearby Galaxies (VENGA).
  - Hobby-Eberly Telescope Dark Energy Experiment (HETDEX).<sup>6</sup>
- **Research highlights:** Some key results from my group include: (a) While earlier work suggested a dearth of barred galaxies at early epochs, we were the first to demonstrate that strong stellar bars are common in massive disk galaxies over the last eight billion years, a period long enough for bars to drive significant secular evolution of galaxies (Jogee et al. 2004); (b) We showed that contrary to common lore, only at most 30% of the cosmic star formation rate density can be assigned to visible major mergers over half of the age of the Universe. We also set the first empirical constraints on the minor merger rate of galaxies over that epoch (Jogee et al. 2009); (c) We found that when the Universe was merely a few billion years old, the majority (> 60%) of massive galaxies were disk-dominated and over a third were ultra-compact (Weinzirl, Jogee et al. 2011). This result poses serious challenges to current state-of-the-art theoretical models.
  - **Current leadership role in SHELA/HETDEX:** I am the UT PI for the NSF-funded project (2015-2019) to conduct an *unprecedented study of how massive galaxies grow across different environments at the important epoch ( $1.9 < z < 3.5$ ) when massive proto-clusters collapsed into existence and star formation and black hole accretion peaked*. The project targets about 0.8 million massive galaxies in the SHELA/HETDEX field via a powerful combination of five existing photometric surveys from UV to far-infrared wavelengths and future HETDEX spectroscopy. The *humongous comoving volume* ( $0.45 \text{ Gpc}^3$  at  $1.9 < z < 3.5$ ) our data probe is over a factor of ten larger than volumes sampled to date by earlier datasets. This study will provide the best constraints to date on the most massive galaxies and proto-clusters in the Universe at  $1.9 < z < 3.5$  and thereby stringently test galaxy paradigms. My two graduate students are leading core papers in this project and initial results were presented at conferences in 2017 (Sherman, Jogee et al. 2017; Florez, Jogee, et al. 2017).
  - **Students and Postdocs Advised:** (a) 7 graduate students advised as main PhD or Masters advisor: Andreia Carillo, Jonathan Florez, Amanda Heiderman, Kyle Kaplan, Irina Marinova, Sydney Sherman, Tim Weinzirl. (b) 10 graduate students advised as part of their thesis and second-year committees: Yi-Kuan Chiang, Jason Jaacks, Sinclair Manning, Eva Noylola, Aaron Smith, Mimi Song, Matt Stevans, Rebecca Tippens, Benny Tsang, Nalin Vutisalchavakul. (c) 2 NASA-funded research

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<sup>2</sup><http://www.mpia.de/GEMS/gems.htm>

<sup>3</sup><http://www.stsci.edu/science/goods/>

<sup>4</sup>[www.nottingham.ac.uk/ppzmeg/stages](http://www.nottingham.ac.uk/ppzmeg/stages)

<sup>5</sup>[astronomy.swin.edu.au/coma/](http://astronomy.swin.edu.au/coma/)

<sup>6</sup><http://hetdex.org/hetdex/>

*analysts supervised:* James Davies, Inge Heyer. *(d) 4 postdoctoral fellows advised:* Dr. Fabio Barazza, Dr Ingo Berentzen (in collaboration with Prof. Shlosman), Dr. Lei Hao, Dr. Tim Weinzirl. *(e) Over 37 undergraduates students supervised:* Dean’s Scholar Sarah Miller; (awarded a Rhodes Scholarship in 2009), Dean’s Scholar Kyle Penner, Kyle Lake, Steven Roloff, Jack Long, Nicholas Watson, Rebecca Larson, and over 30 other undergraduate students in the Research Methods course I designed.

### **Service at the Departmental Level as Department Chair**

As Chair of the UT Astronomy Department (Sep. 2015–present), I oversee the governance, operations, budget, strategic vision plan, research and teaching mission, faculty development (hiring, evaluation, mentorship, promotion, and retention), philanthropy, and external relations of a department with  $\sim 200$  members. Details are provided in a separate document available upon request. Examples of a few specific contributions are listed below.

1. Leadership role in the development of a strategic vision plan, in collaboration with our faculty, to advance our aspiration of becoming the top public Astronomy program in the nation. Our strategic plan aims to grow our research program and faculty in both core areas and interdisciplinary fields, while maximizing our science leadership in the future Giant Magellan Telescope (GMT) for which UT is a major founding partner with a contribution goal of \$100 M. We also aim to develop diverse student and postdoctoral leaders, and to promote a culture of inclusion and innovation.
2. Leadership role in the extensive self-study of the Astronomy program, culminating in a positive external review in March 2017, with the summative statement of the external committee: “We were very impressed with the vibrant and scientifically productive Astronomy program and very optimistic about its future.” (External reviews of departments are scheduled by CNS once every eight years).
3. Leadership role in the development of a transition plan for the retirement of six members (27%) of the faculty and the associated hires of three top-tier faculty members in star formation, near-field cosmology, and planetary science. I also oversaw the retention of three additional faculty members and the early tenure of one faculty member (2016-present).
4. National Science Foundation (NSF) Research Experience for Undergraduates (REU) grant award ( $\sim$  \$0.4 M), as Principal Investigator, to support the UT Astronomy Department as a national REU site. Our proposal ‘Frontier Research and Training in Astronomy for the 21st Century’ leverages a synergistic collaboration between the Astronomy Department, McDonald Observatory, TACC, and the Texas Institute for Discovery Education in Science (TIDES). This grant adds to two other active NSF grants I hold as PI, for a total award of  $\sim$  \$1.1 M between 2014 and 2017.
5. Leadership role in the development of a proposal to advance a UT Astronomy Planetary Science program through an inter-disciplinary collaboration between the Astronomy program, the Jackson School of Geosciences (JSG), and the Department of Molecular Biosciences. I worked with faculty, research scientists, and students to

showcase the UT Astronomy program to officers of the Heising-Simons Foundation (HSF) during a full-day visit in April 2017. This led UT Astronomy to be one of the six elite institutions invited by HSF in July 2017 to compete for the HSF Planetary Astronomy Prize Postdoctoral Fellowship (51 Pegasi b), in addition to the four 2016 inaugural partners (Caltech, MIT, Berkeley, and Yale). We successfully competed in Fall 2017 and have been awarded two three-year prize postdoctoral fellowships (with a total value of  $\sim$  \$0.8 M). Moving forward, we are now one of the 10 elite astronomy programs in the nation who can compete yearly for this prize fellowship.

6. Leadership and support role in several philanthropic initiatives: (a) I initiated a plan to double the size of our UG research computer lab. This expansion is essential for us to maintain our research-centered model of UG education at a time when the size of our UG program has doubled over the last five years. I secured the required funds (\$290,000) over 14 months through a multi-pronged strategy involving a strategic one-time use of endowed funds, philanthropy aided by the production of a fundraising video (<https://youtube/i2qOmYnK3mg>), and competitive application of funds from CNS. The expansion of the lab is scheduled to be completed by August 2018. (b) In Spring 2018, I am starting the Astronomy Research Excellence Fund campaign with a long-term target of \$10 M for supporting research and graduate students. (c) I assist Dr. Taft Armandroff in fundraising for the next-generation Giant Magellan Telescope.
7. Cultivation and stewardship of the McDonald Observatory and Department of Astronomy Board of Visitors whose  $\sim$  240 members provide invaluable financial support and advocacy for the Astronomy program. Presentation of Astronomy program milestones and research highlights to the Board twice a year (Feb. 2016, July 2016, Feb. 2017, July 2017).
8. Strategic outreach including (a) Presentation of the research and education mission of the Astronomy program to the State of Texas Legislative Staff, including staff from Governor Abbott's office, the Senate Higher Education Committee, the Senate Finance Committee, and the House Appropriations Committee (2016); (b) Voice America one hour radio interview<sup>7</sup> highlighting UT Astronomy, academic leadership, and my journey as a female astronomer (2016); (c) Invited talk on "Cosmic Explorations, Interdisciplinary Partnerships, and STEM Education" presented to the National Association of Women Business Owners (2017).
9. Promotion of an inclusive culture and improvement in the participation of women and under-represented minorities in STEM at all levels (K-12, undergraduate, graduate, and faculty). Steps taken to promote inclusion include (a) Training committees to adopt best practices for faculty hires, faculty evaluation, and student admission; (b) Providing support for groups that promote a more inclusive culture, such as the Association of Women in Astronomy Research and Education (AWARE), the Equity and Inclusion group, and the TAURUS summer UG research program.
10. Development, in collaboration with our faculty, of resources for the training, mentorship, and professional development of postdocs and graduate students,

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<sup>7</sup>[www.voiceamerica.com/episode/93888](http://www.voiceamerica.com/episode/93888)

including a resource site<sup>8</sup> and a network of informal mentors<sup>9</sup>.

11. Invited member of the Heising-Simons Foundation Physics and Astronomy Leadership Council (PALC) with a planned award of \$75,000 to develop local and national initiatives to recruit, retain, and advance women in STEM (2017).

### **Other Service at the Departmental Level**

- Chair, Search Committee for the Astronomy Academic Program Coordinator (2016)
- Member, Search Committee for the McDonald Observatory and Astronomy Department Director of Development (2016)
- Member, Search Committee for the McDonald Observatory and Astronomy Department Director of Business Administration (2016)
- Astronomy Department Associate Chair (Sep. 2014–Aug. 2015)
- Chair, Graduate Studies Executive Committee (GSEC) (2012–2014)
- Member, Faculty Search Committee (2011–2012)
- Member, Faculty Evaluation Committee (2011–2013)
- Chair, Extragalactic Research Group (2010-2012)
- Member, Graduate Admission Committee, UT Austin (2009–Present)
- Undergraduate Advisor, Astronomy Department, UT Austin (2005–2009)

### **Service at the College and University Level**

- Selected to represent UT Austin in the Leadership Texas Program for women leaders in industry, government, and academia (2014)
- Member of the Advisory Council for the Texas Institute for Discovery Education in Science (TIDES) (2014–2015)
- Member of the UT College of Natural Sciences (CNS) Strategic Planning Task Force set by up the CNS Dean Linda Hicke. The task force advised and worked collaboratively with the Dean in creating a dynamic and innovative five-year plan for the college’s future I led the white paper on “Graduate Student Support” and co-authored the white paper on “Faculty Hiring Practices” (2012–2013).
- Member of the UT CNS Strategic Planning Implementation Teams for graduate student support (led by Associate Dean Dean Appling), and for increasing the success of students from traditionally underrepresented groups in STEM fields (led by Associate Deans Sacha Kopps and Shelley Payne) (2013–2014).
- Member, Dean’s Scholars Steering Committee, UT Austin (2006–2009)
- CNS Course and Curriculum representative, UT Austin (2005–2006)

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<sup>8</sup>[www.as.utexas.edu/astronomy/education/postdocs.html](http://www.as.utexas.edu/astronomy/education/postdocs.html)

<sup>9</sup>[www.as.utexas.edu/astronomy/education/mentors.html](http://www.as.utexas.edu/astronomy/education/mentors.html)

## Service at the National and International Level

- Referee for internationally established journals, including the *Astrophysical Journal* (ApJ), *Astrophysical Journal Letters* (ApJL), *Astronomy & Astrophysics* (A&A), and *Monthly Notices of the Royal Astronomical Society* (MNRAS) (2000–Present)
- Invited member of the Heising-Simons Foundation Physics and Astronomy Leadership Council (PALC) with a planned award of \$75,000 to develop local and national initiatives to recruit, retain, and advance women in STEM (2017).
- UT representative on the American Astronomical Society (AAS) Department Chairs Council (Sep. 2015–Present)
- Member of the International Astronomical Union (IAU) Commission 28 on Galaxies (2009–2013)
- Member of the Nominating Committee, American Astronomical Society (AAS), Division of Dynamical Astronomy (2010–2011)
- Member of the ALMA North American Science Advisory Committee (2007–2010)
- Member of the NASA *Hubble Space Telescope* Time Allocation Panel (2006–present)
- Member of the Giant Magellan Telescope (GMT) science working group (2008–2009)
- Member of the Cerro Chajnantor Atacama Telescope (CCAT) science working group (2006–2012)
- Member of the Home Planning Team for the Hubble ACS Ultra Deep Field (HUDF) conducted with NASA’s *Hubble Space Telescope*. I 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))
- Member of the Scientific Organizing Committee for the 3rd North American ALMA Science Center Meeting, held in Oct. 2009
- Chair of the Scientific Organizing Committee for the conference entitled ‘Galaxy Evolution: Emerging Insights and New Challenges’, held at UT Austin in Nov. 2008 (<http://www.as.utexas.edu/utgal08/>)
- Member of the Scientific Organizing Committee for the conference on galaxy dynamics along the Hubble sequence, held in Italy in 2008 (<http://www.astro.unipd.it/omega08/>)
- Member of the Scientific Organizing Committee for the STScI Symposium (May 2003)
- ACS Contact Scientist Lead and User Support Lead for the Advanced Camera for Surveys on the Hubble Space Telescope, Space Telescope Science Institute. I supervised the work of 12 instrument scientists for Phase II proposals (2002–2004)
- Member of the Caltech OVRO Time Allocation Committee (1999–2002)



## Academic and Teaching Awards

- College of Natural Science Teaching Excellence Award, UT Austin (2012)
- Board of Visitors Teaching Excellence Award, UT Austin (2011)
- American Association of University Women Educational Fellowship (1996)
- Amelia Earhart Fellowship, Zonta International (1996)
- Yale University J. F. Enders Research Fellowship, Yale University (1995)
- Sigma Xi Grants-in-Aid of Research, Sigma Xi Society (1995)
- Yale University J. F. Enders Research Fellowship, Yale University (1995)
- Garfinkel Prize, Yale University (1992)
- Elected to status of Fellow, Cambridge University, England (1990-1992)
- Full academic scholarship in Physics, Cambridge University, England (1989-1992)

**Selected Outreach Activities:** A detailed list of courses taught and outreach activities is provided in Appendix D of the CV. Below are a few selected activities:

- Co-authored textbook aimed at Ph.D. students (*Physics of Active Galactic Nuclei at all Scales*), Lecture Notes in Physics, Vol. 693, Eds. D. Alloin, R. Johnson, & P. Lira (Springer: Berlin Heidelberg)
- Voice America one hour radio interview<sup>10</sup> highlighting UT Astronomy, academic leadership, and my journey as a female astronomer (2016)
- Invited to lead a feature video for “The Universe” exhibit hall in the new Perot Museum of Science in Dallas, Texas, to encourage students to pursue STEM careers (2012–Present)
- Presentation of the education and research mission of the Astronomy program to the State of Texas Legislative Staff, including staff from Governor Abbott’s office, the Senate Higher Education Committee, the Senate Finance Committee, and the House Appropriations Committee (2016)
- Used a UT Award for Instructional Innovation Techniques along with funding from NASA and NSF, to develop the *Galaxies and Cosmos Explorer Tool (GCET)*<sup>11</sup>, an online tool to actively engage undergraduate students, high school students, and the general public in ‘surfing’ through large galaxy surveys conducted with NASA’s *Hubble Space Telescope* and exploring galaxies through cosmic time.
- Invited talk on “Cosmic Explorations, Interdisciplinary Partnerships, and STEM Education”, National Association of Women Business Owners (2017)
- Presentation of Astronomy program milestones and research highlights to the Astronomy program Board of Visitors (with 240 members) twice a year (Feb. 2016, July 2016, Feb. 2017, July 2017).

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<sup>10</sup>[www.voiceamerica.com/episode/93888](http://www.voiceamerica.com/episode/93888)

<sup>11</sup><http://www.as.utexas.edu/gcet/>

## LIST OF APPENDICES FOR THE CURRICULUM VITAE

- Appendix A: Select List of Grant Awards
- Appendix B: Select List of Publications
- Appendix C: Select List of Talks
- Appendix D: Select List of Courses and Outreach Activities

## Appendix A: Select List of Grant Awards

**Summary of Grant Awards:** I have been awarded  $\sim$ \\$3.4M USD in external research and education grants over the period 2004 to 2017. Research grants account for  $\sim$ \\$2.8 M, of which  $\sim$ \\$2.2 M are from grants where I am the Principal Investigator. Education and outreach grants account for  $\sim$ \\$0.7 M. For multi-institution grants, the grant amounts listed above only include the amount awarded to my institution with me as PI, Co-PI, or Co-I. A select list of grants is provided below:

1. PI: National Science Foundation Research Experience for Undergraduates (REU) grant, 2018-2021 (\\$399,000): *'Frontier Research and Training in Astronomy for the 21st Century'*
2. PI: National Science Foundation Astronomy and Astrophysics Grant (AAG), 2015-2018 (\\$367,772 to UT Austin out of a total award of \\$873,000): *'Collaborative Research: Galaxy Growth in Different Environments from  $z=1.9$  to 3.5'*
3. Award for strategic initiatives by the Heising-Simons Foundation, 2017 (\\$50,000)
4. UT PI: NASA, Strategic University Research Partnerships Program, 2014 (\\$75,000): *'Galaxy Growth at  $z \sim 2 - 4$ : From Voids to Proto-Clusters'*
5. PI: National Science Foundation Astronomy and Astrophysics Grant (AAG), 2014-2018 (\\$297,613): *'Unveiling the Assembly History of Galaxies by Dissecting their Structure, Chemical Evolution, and Stellar Populations'*
6. PI: Graduate School Diversity Mentoring Fellowship, 2014 (\\$34,000)
7. PI: Cox Research Excellence Fund, 2014-16 (\\$45,000): *'Surveys of the SHELA/HETDEX legacy field to Probe Obscured Star Formation as a Function of Environment at  $z \sim 2 - 4$ '*
8. PI: Cox Research Excellence Fund, 2013 (\\$12,000): *'Galaxy Evolution as a Function of Environment at  $1.9 < z < 3.5$  with HETDEX'*
9. PI: Norman Hackerman Advanced Research Program (NHARP) grant, 2010-2013 (\\$149,000): *'Student Support for VENGA: Understanding Galaxy Evolution in the Nearby Universe'*
10. PI: NASA Long Term Space Astrophysics (LTSA) grant, 2003-2011 (\\$558,000): *'Structure and dynamics of local and intermediate redshift disks'*
11. PI: National Science Foundation Astronomy and Astrophysics Grant (AAG), 2006-2011 (\\$311,748): *'Bars and their Impact on Galaxy Evolution over the Last Eight Billion Years'*
12. PI: NASA Education and Public Outreach award (NNG 06GB99G), 2006 (\\$45,000): *'Building a Bridge to Texas High School Science Teachers and Students'*
13. PI: NASA Education and Public Outreach award HST-EO-10861.35, 2007 (\\$50,000): *'A Cluster of Activities on Coma from the Hubble Space Telescope, StarDate, and McDonald Observatory'*
14. Co-PI: NSF STEM Undergraduate Education award (DUE-0807140), 2008 (\\$600,000): *'Scientists for Tomorrow'*

15. Co-PI: NASA Hubble Space Telescope award GO-11082, 2007 (180 orbits; \$68,268): *'NICMOS Imaging of GOODS'*
16. Co-I: Spitzer/HETDEX Cycle 8 grant, 2011 (\$325,720): *'Spitzer-HETDEX Exploratory Large Area (SHELA) Survey'*
17. Co-PI: NASA Hubble Space Telescope award GO-10861, 2006 (164 orbits; \$57,105): *'An ACS Treasury Survey of the Coma Cluster'*
18. Co-I: CalTech/JPL Spitzer grant (1288650), 2006 (\$53,042): *'Understanding the Blue-Sequence E/S0'*
19. Co-PI: NASA Hubble Space Telescope award GO-10395, 2005 (31 orbits; \$72,977): *'Environmental drivers of galaxy evolution:HST survey of A901/902 supercluster'*
20. Co-PI: NASA Hubble Space Telescope award GO-10428, 2004 (80 orbits; \$50,189): *'Colors of QSO host galaxies at  $z=2$  and the evolution of their stellar masses'*

## Appendix B: Select List of Publications

### Summary of Publication Record:

- As of September 2017, my publication record includes 186 publications, of which 77 are peer-reviewed refereed publications in high impact journals. My publications have received over 6990 citations, my current citation rate is over 530 citations per year, and my h-index is 41.
- My refereed papers are published in recognized high-impact journals, which are listed in the publication list under the following acronyms:
  - ApJ: The Astrophysical Journal
  - ApJL: The Astrophysical Journal Letters
  - ApJS: The Astrophysical Journal Supplement
  - ARA: Annual Reviews of Astronomy and Astrophysics
  - AJ: The Astronomical Journal
  - A&A: Astronomy & Astrophysics Journal
  - A&A Suppl.: Astronomy & Astrophysics Supplement
  - JCAP: Journal of Cosmology and Astroparticle Physics
  - MNRAS: Monthly Notices of the Royal Astronomical Society
  - Nature: Nature Journal
  - PASP: Publications of the Astronomical Society of the Pacific
- Many of my papers have long author lists as I am a member of seven large international science collaborations, which are conducting some of the largest and deepest survey of galaxies to date, using NASA's *Hubble Space Telescope* (GEMS (Rix et al. 2004); GOODS (Giavalisco et al. 2004); the Hubble ACS Treasury survey of Coma (Carter et al. 2008); STAGES (Gray et al. 2009); the GOODS-NICMOS Survey or GNS (Conselice et al. 2011)), and the ground-based McDonald Observatory (VENGA (Blanc et al. 2013); HETDEX (Hill et al. 2008)). Since the role of members within large collaborations is often unclear, I would like to clarify that my research group and I are *leading* many of the core papers on the structure, merger, and assembly history of galaxies in these collaborations (e.g., Jogee et al. 2004, 2009; Marinova, Jogee, et al. 2007, 2009, 2012; Heiderman, Jogee, et al. 2009; Weinzirl, Jogee, et al. 2009, 2011, 2013; Barazza et al. 2006, 2008, 2009a, 2009b; Kaplan, Jogee et al. 2013 in preparation; Hao, Jogee et al. 2013 in preparation; etc). My contributions are significant in papers led by graduate students, undergraduate students, and postdoctoral fellows in my research group, including Tim Weinzirl, Irina Marinova, Amanda Heiderman, Kyle Kaplan, Fabio Barazza, Ingo Berentzen, Lei Hao, Sarah Miller, Kyle Penner, Austin King, Jack Long, and Nicholas Watson.

### Refereed Publications

1. Kaplan, K., **Jogee, S.**, Kewley, L., et al. 2016, MNRAS, 462, 1642: '*The VIRUS-P Exploration of Nearby Galaxies (VENGA): spatially resolved gas-phase metallicity distributions in barred and unbarred spirals*'

2. Papovich, C. et al. including **Jogee, S.** 2016, ApJS, 224, 28: ‘*The Spitzer-HETDEX Exploratory Large-area Survey*’
3. Luo, R., Hao, L., Blanc, G. A., **Jogee, S.**, van den Bosch, R. C. E., & Weinzirl, T. 2016, ApJ, 823, 85: ‘*The VIRUS-P Exploration of Nearby Galaxies (VENGA): Radial Gas Inflow and Shock Excitation in NGC 1042*’
4. Hoyos, C. et al. including **Jogee, S.** 2016, MNRAS, 455, 295: ‘*Linking the structural properties of galaxies and their star formation histories with STAGES*’
5. Cordero, J. P. et al. including **Jogee, S.** 2016, ApJL, 817, L6: ‘*Dry Merger Rate and Post-merger Fraction in the Coma Cluster Core*’
6. Hagen, A. et al. including **Jogee, S.** 2016, ApJ, 817, 79: ‘*HST Emission Line Galaxies at  $z \sim 2$ : Comparing Physical Properties of Lyman Alpha and Optical Emission Line Selected Galaxies*’
7. Hao, L. **Jogee, S.**, Barazza, F., & Marinova, I. 2016, MNRAS, in preparation: ‘*Bars in Starbursts and AGNs – A Quantitative Reexamination*’
8. Maltby, D. T. et al. including **Jogee, S.** 2015, MNRAS, 447, 1506: ‘*The environmental dependence of the structure of galactic discs in STAGES S0 galaxies: implications for S0 formation*’
9. Chiang, Y.-K., et al. including **Jogee, S.** 2015, ApJ, 808, 37: ‘*Surveying Galaxy Proto-clusters in Emission: A Large-scale Structure at  $z = 2.44$  and the Outlook for HETDEX*’
10. Bridge, J. S., et al. including **Jogee, S.** 2015 ApJ, 799, 205: ‘*Physical and Morphological Properties of [O II] Emitting Galaxies in the HETDEX Pilot Survey*’
11. Weinzirl, T., **Jogee, S.**, S., Neistein, E., et al., including the Coma HST ACS Treasury Team, 2014, MNRAS, 441, 3083: ‘*The HST/ACS Coma Cluster Survey - VII. Structure and Assembly of Massive Galaxies in the Center of the Coma Cluster*’
12. van Brok, M., Peletier, R. F., Seth, A., et al. including **Jogee, S.** 2014, MNRAS, 445, 2385: ‘*The HST/ACS Coma Cluster Survey. X. Nuclear star clusters in low-mass early-type galaxies: scaling relations*’
13. Song, M. et al. including **Jogee, S.** 2014, ApJ, 791, 3: ‘*The HETDEX Pilot Survey. V. The Physical Origin of Ly $\alpha$  Emitters Probed by Near-infrared Spectroscopy*’
14. Viero, M. P., Asboth, V., Roseboom, I. G., et al. including **Jogee, S.** 2014, ApJS, 210, 22: ‘*The Herschel Stripe 82 Survey (HerS): Maps and Early Catalog*’
15. Kannappan, S. J., Stark, D. V., Eckert, K. D., et al. including **Jogee, S.** 2013, ApJ, 777, 42: ‘*Connecting Transitions in Galaxy Properties to Refueling*’
16. Chiang, C.-T., Wullstein, P., Jeong, D., et al. including **Jogee, S.** 2013, JCAP, 12, 30: ‘*Galaxy redshift surveys with sparse sampling*’
17. Ciardullo, R., et al. including **Jogee, S.** 2013, ApJ, 769, 83: ‘*The HETDEX Pilot Survey. IV. The Evolution of [O II] Emitting Galaxies from  $z \sim 0.5$  to  $z \sim 0$* ’

18. Blanc, G. A., Weinzirl, T., Song, M., et al., including **Jogee, S.** 2013a, AJ, 145, 138: ‘*The VIRUS-P Exploration of Nearby Galaxies (VENGA): Survey Design, Data Processing, and Spectral Analysis Methods*’
19. Blanc, G. A., Schrubba, A., Evans, N. J., II, **Jogee, S.** et al. 2013b, ApJ, 764, 117: ‘*The VIRUS-P Exploration of Nearby Galaxies (VENGA): The X CO Gradient in NGC 628*’
20. Böhm, A., et al., including **Jogee, S.** 2013, A&A, 549, A46: ‘*AGN host galaxies at redshift  $z \sim 0.7$ : peculiar or not?*’
21. Marinova, I., **Jogee, S.**, Weinzirl, T. and the Coma ACS Treasury Survey team 2012, ApJ, 746, 136 ‘*The HST/ACS Coma Cluster Survey. VIII. Barred Disk Galaxies in the Core of the Coma Cluster*’
22. Hoyos, C., et al., including **Jogee, S.** 2012, MNRAS, 419, 2703: ‘*A New Automatic Method to Identify Galaxy Mergers I. Description and Application to the STAGES Survey*’
23. Simon, P., et al., including **Jogee, S.** 2012, MNRAS, 419, 998: ‘*Spatial matter density mapping of the STAGES Abell A901/2 supercluster field with 3D lensing*’
24. Maltby et al. , including **Jogee, S.** 2012, MNRAS, 419, 669: ‘*The environmental dependence of the structure of outer galactic discs in STAGES spiral galaxies*’
25. Weinzirl, T., **Jogee, S.**, Conselice C., and the GOODS NICMOS Survey collaboration 2011, ApJ, 743, 87: ‘*Insights on the Formation, Evolution, and Activity of Massive Galaxies From Ultra-Compact and Disky Galaxies at  $z = 2 - 3$* ’
26. den Brok, M., et al., including **Jogee, S.** 2011, MNRAS, 414, 3052: ‘*The HST/ACS Coma Cluster Survey - VI. Colour gradients in giant and dwarf early-type galaxies*’
27. Conselice, C. J., et al., including **Jogee, S.** 2011, MNRAS, 413, 80 : ‘*The Hubble Space Telescope GOODS NICMOS Survey: Overview and the Evolution of Massive Galaxies at  $1.5 < z < 3$* ’
28. Grützbauch, R. et al., including **Jogee, S.** 2011, MNRAS, 1504: ‘*The relationship between star formation rates, local density and stellar mass up to  $z \sim 3$  in the GOODS NICMOS Survey*’
29. Yagi, M., et al., including **Jogee, S.** 2010, AJ, 140, 1814 : ‘*A dozen new galaxies caught in the act: Gas stripping and extended emission line regions in the Coma cluster*’
30. Hammer, D., et al., including **Jogee, S.** 2010, ApJS, 191, 143: ‘*The HST/ACS Coma Cluster Survey. II. Data Description and Source Catalogs*’

31. Hopkins, P. F., Somerville, R. S., Cox, T. J., Hernquist, L. **Jogee, S.**, Keres, D., Ma, C.-P., Robertson, B., & Stewart K. 2009, MNRAS, 397, 802: ‘*The Effects of Gas on Morphological Transformation in Mergers: Implications for Bulge and Disk Demographics*’
32. **Jogee, S.**, Miller, S., Penner, K., Skelton, R. E., Conselice, C. J., Somerville, R. S., Bell, E. F., the GEMS collaboration 2009, ApJ, 697, 1971: ‘*History of Galaxy Interactions and Their Impact on Star Formation over the Last 7 Gyr from GEMS*’
33. Weinzirl, T., **Jogee, S.**, Khochfar, S., Burkert, A., & Kormendy, J. 2009, ApJ, 696, 411: ‘*Bulge  $n$  and  $B/T$  in High Mass Galaxies: Constraints on the Origin of Bulges in Hierarchical Models*’
34. Marinova, I., **Jogee, S.**, Heiderman, I., & the STAGES collaboration 2009, ApJ, 698, 1639: ‘*Barred Galaxies in the Abell 901/2 supercluster with STAGES*’
35. Heiderman, A., **Jogee, S.**, Marinova, I., & the STAGES collaboration, 2009, ApJ, 705, 1433; ‘*Interacting Galaxies in the Abell 901/902 supercluster with STAGES*’
36. Barazza, F. D., Wolf, C., Gray, M. E., **Jogee, S.**, & the STAGES collaboration 2009, A&A, 508, 665: ‘*Relating basic properties of bright early-type dwarf galaxies to their location in Abell 901/902*’
37. Barazza, F. D., Jablonca, P., Desai, V., **Jogee, S.**, Aragón-Salamanca, A., & the ESO Distant Clusters Survey (EDisCS) collaboration 2009, A&A, 497, 713: ‘*Frequency and properties of bars in cluster and field galaxies at intermediate redshifts from EDisCS*’
38. Robaina, A. R. & the GEMS collaboration, including **Jogee, S.** 2009, ApJ, 704, 324: ‘*Less Than 10 Percent of Star Formation in  $z \approx 0.6$  Massive Galaxies is Triggered by Major Interactions*’
39. Gray, M. & the STAGES collaboration, including **Jogee, S.** 2009, MNRAS, 393, 1275: ‘*STAGES: the Space Telescope A901/2 Galaxy Evolution Survey*’
40. Gallazi, A. & the STAGES collaboration, including **Jogee, S.** 2009, ApJ, 690, 1883: ‘*Obscured star formation in intermediate-density environments: A Spitzer study of the Abell 901/902 supercluster*’
41. Wolf, C. & the STAGES collaboration, including **Jogee, S.** 2009, MNRAS, 393, 1302: ‘*The STAGES view of red spirals and dusty red galaxies: Mass-dependent quenching of star-formation in cluster infall*’
42. Barazza, F. D., **Jogee, S.**, & Marinova, I. 2008, ApJ, 675, 1194: ‘*Bars in Disk-Dominated and Bulge-Dominated Galaxies at  $z \approx 0$ : New Insights from 3600 SDSS Galaxies*’
43. 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*’



44. 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'*
45. 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, ApJS, 176, 424: *'The HST/ACS Coma Cluster Survey: I - Survey Objectives and Design'*
46. 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'*
47. 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'*
48. 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'*
49. 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'*
50. Berentzen, I., Shlosman, I., & **Jogee, S.** 2006, ApJ, 637, 582: *'Stellar Bar Evolution in Cuspy and Flat-Cored Triaxial CDM Halos'*
51. 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.**, Kuposov, 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'*
52. 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'*
53. Heymans, C., Bell, E. F., Rix, H-W., Barden, M., Borch, A., Caldwell, J. A. R., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Wolf, C., Beckwith, S. V. W.,

- Häußler, B., Jahnke, K., **Jogee, S.**, Sanchez, S. F., Somerville, R., Wisotzki, L. 2006, MNRAS, 371, L60: ‘*A weak lensing estimate from GEMS of the virial to stellar mass ratio in massive galaxies to  $z \approx 0.8$* ’
54. **Jogee, S.**, Scoville, N., & Kenney, J. D. P. 2005, ApJ, 630, 837: ‘*The Central Region of Barred Galaxies: Molecular Environment, Starbursts, and Secular Evolution*’
55. 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., Sanchez, S. F., Somerville, R. S., Wisotzki, L. 2005, ApJ, 630, 771: ‘*GEMS: Which Galaxies Dominate the  $z \approx 0.7$  Ultraviolet Luminosity Density?*’
56. 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., Sanchez, 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  $z=1$* ’
57. 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  $z \approx 0.4-1.3$ : Bulge-dominated and Lacking Merger-AGN Connection*’
58. 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*’
59. 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*’
60. **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*’
61. 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*’
62. 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*’
63. Ravindranath, S., Ferguson, H. C., Conselice, C., Giavalisco, M., Dickinson, M., Chatzichristou, E., de Mello, D., Fall, M., Gardner, J. P., Grogin, N. A., Hornschemeier, A., **Jogee, S.**, Koekemoer, A., Kretchmer, C., Livio, M., Mobasher,

- M. & Somerville, R. 2004, ApJL, 604: *'Evolution of Disk Galaxies in the GOODS CDF-S Field: Number densities and size distribution'*
64. Giavalisco et al. 2004, ApJL, 600/2, 1: *'The Great Observatories Origins Deep Survey: The Hubble Space Telescope Observing Program'*
65. Rix, H.-W., Barden, M., Beckwith, S.V.W., Bell, E. F., Borch, A., Caldwell, J. A. R., Häußler, B., Jahnke, K., **Jogee, S.**, McIntosh, D. H., Meisenheimer, Peng C. Y., Sanchez, S. F., Somerville, R. S., Wisotzki, L., & Wolf, C., ApJS, 152, 163 (astro-ph/0401427): *'GEMS: Galaxy Evolution from Morphologies and SEDs'*
66. Bell, E. F., McIntosh, D. H., Wolf, C., Barden, M., Caldwell, J. A. R., Rix, H.-W., Beckwith, S. V. W., Borch, A., Jahnke, K., **Jogee, S.**, Meisenheimer, K., Peng, C. Y., Sanchez, S. F., Somerville, R. S., and Wisotzki, L. 2004, ApJL, 600, 11: *'Red Sequence Galaxies at  $z \approx 0.7$ : Dusty or Old'*
67. Jahnke, K., Barden, M., Beckwith, S.V.W., Bell, E. F., Borch, A., Caldwell, J. A. R., Häußler, B., Rix, H.-W., **Jogee, S.**, McIntosh, D. H., Meisenheimer, Peng C. Y., Sanchez, S. F., Somerville, R. S., Wisotzki, L., & Wolf, C. 2004, ApJ, 614, 568: *'UV light from young stars in GEMS quasar host galaxies at  $1.8 < z < 2.75$ '*
68. Sanchez, S. F., Barden, M., Beckwith, S.V.W., Bell, E. F., Borch, A., Caldwell, J. A. R., Häußler, B., Rix, H.-W., Jahnke, K., **Jogee, S.**, McIntosh, D. H., Meisenheimer, Peng C. Y., Somerville, R. S., Wisotzki, L., & Wolf, C. 2004, ApJ, 614, 586: *'Colors of Active Galactic Nucleus Host Galaxies at  $0.5 < z < 1.1$  from the GEMS Survey'*
69. McIntosh, D. H., Bell, E. F., Rix, H.-W., Wolf, C., Heymans, C., Peng, C. Y., Somerville, R. S., Barden, M., Beckwith, S.V.W., Borch, A., Caldwell, J. A. R., Häußler, B., Jahnke, K., **Jogee, S.**, Meisenheimer, K., Sanchez, 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  $z = 1$ '*
70. **Jogee, S.**, Shlosman, I., Laine, S., Englmaier, P., Scoville, N. Z., Knapen, J. H., & Wilson, C. D. 2002, ApJ, 575, 156: *'Gas Dynamics in the Barred Spiral NGC 5248: Fueling a Circumnuclear Starburst Ring of Super Star Clusters'*
71. **Jogee, S.**, Knapen, J. H., Laine, S., Shlosman, I., Scoville, N. Z., & Englmaier, P. 2002, ApJL, 570, L55: *'Discovery and Implications of a New Large-Scale Stellar Bar in NGC 5248'*
72. Hartman, R. C., Boettcher, M. et al., including **Jogee, S.** 2001, ApJ, 553, 683: *'Multi-Epoch Multiwavelength Spectra and Models for Blazar 3C 279'*
73. **Jogee, S.** 1999, Ph.D. thesis, Yale University: *'Molecular Gas and Star Formation in the Inner Kpc of Starbursts and Non-Starbursts'*
74. **Jogee, S.**, Kenney, J. D. P., & Smith, B. J. 1999, ApJ, 526, 665: *'A nuclear bar feeding molecular gas into a powerful central starburst in NGC 2782'*
75. Smith, B. J., Curtis, S., Kenney, J. D. P., & **Jogee, S.** 1999, AJ, 117, 1237: *'The Molecule-Rich tail of the peculiar galaxy NGC 2782 (Arp 215)'*

76. **Jogee, S.** 1999, Ph.D. thesis, Yale University: *‘Molecular gas and Star Formation in the Inner Kpc of Starbursts and Non-Starbursts’*
77. **Jogee, S.**, Kenney, J. D. P., & Smith, B. J. 1998, ApJL, 494, L185: *‘The remarkable starburst-driven outflow in NGC 2782’*
78. Baily, C. D., Orosz, J. A., Girard, T. M., **Jogee, S.** et al. 1995, Nature, Vol. 374, p 701: *‘The optical counterpart of the superluminal source GRO J1655-40’*

### Partial List of Conference and Workshop Proceedings

79. Sherman, S., **Jogee, S.**, Florez, J., et al. 2017, American Astronomical Society Meeting Abstracts, 230, 316.06: *‘A Systematic Study of SED Fitting Techniques for Exploring Galaxy Growth at  $z \sim 2 - 4$  Over a Colossal Comoving Volume’*
80. Florez, J., **Jogee, S.**, Sherman, S., et al. 2017, American Astronomical Society Meeting Abstracts, 230, 316.11: *‘How Accurately Can We Measure Galaxy Environment at High Redshift Using Only Photometric Redshifts?’*
81. Stevans, M. L., Finkelstein, S. L., Wold, I., et al. including **Jogee, S.**, 2017, Galaxy Evolution Across Time, Proceedings of a conference held 12-16 June, 2017 in Paris: *‘Big Data in the SHELA Field: Investigating Galaxy Quenching at High Redshifts’*
82. Carrillo, A. J., Jogee, S., Kaplan, K., Weinzirl, T., & Blanc, G. A. 2017, American Astronomical Society Meeting Abstracts, 230, 214.08: *‘Dissecting the assembly and star formation history of disks and bulges in nearby spirals using the VENGA IFU survey’*
83. Stevans, M. L., Finkelstein, S. L., Wold, I., et al. including **Jogee, S.**, 2017, American Astronomical Society Meeting Abstracts, 230, 316.07: *‘Big Data in the SHELA Field: Investigating Galaxy Quenching at High Redshifts’*
84. Gallagher, J. S., et al. including **Jogee, S.**, 2016, Transactions of the International Astronomical Union, Series A, 29, 525: *‘Division J Commission 28: Galaxies’*
85. Stevans, M. L., Finkelstein, S. L., Gebhardt, K., et al. including **Jogee, S.**, 2014, American Astronomical Society Meeting Abstracts #223, 223, #254.47: *‘The NEWFIRM HETDEX Survey - Studying Galaxy Growth with 400,000 Galaxies at  $2 < z < 3.5$ ’*
86. Davies, R. L. et al., including **Jogee, S.**, 2012, Transactions of the International Astronomical Union, Series A, 28, 255: *‘Commission 28: Galaxies’*
87. Jogee, S., Gebhardt, K., Ciardullo, R., et al. 2012, American Astronomical Society Meeting Abstracts #219, 219, #424.03: *‘HETDEX: Evolution and Drivers of Cosmic Star Formation Over 12 Billion Years’*
88. Weinzirl, T., **Jogee, S.**, Conselice, C. J., et al. 2012, American Astronomical Society Meeting Abstracts #219, 219, #246.26: *‘The Radical Transformation of Massive Galaxies Since  $z \sim 2$ ’*

89. Song, M., Gebhardt, K., **Jogee, S.**, & VENGA 2012, American Astronomical Society Meeting Abstracts #219, 219, #441.07: ‘*Early Results from the VENGA Integral Field Spectroscopy Survey: Current and Past Spatially-Resolved Star Formation in NGC2903*’
90. Drory, N., Gebhardt, K., **Jogee, S.**, et al. 2012, American Astronomical Society Meeting Abstracts #219, 219, #424.15: ‘*HETDEX: Nearby Galaxies*’
91. Ciardullo, R., Gronwall, C., Blanc, G., **Jogee, S.** et al. 2012, American Astronomical Society Meeting Abstracts #219, 219, #424.11: ‘*HETDEX: The Physical Properties of [O II] Emitters*’
92. Papovich, C. J., Gebhardt, K., Behroozi, P., et al. including **Jogee, S.** 2012, American Astronomical Society Meeting Abstracts, 219, #424.09: ‘*SHELA: The Spitzer-HETDEX Exploratory Large Area Survey*’
93. Weinzirl, T., **Jogee, S.**, & GOODS-NICMOS Collaboration 2011, Bulletin of the American Astronomical Society, 43, #335.22: ‘*Massive Galaxies at  $z=2-3$ : A Large Population of Disky Star-Forming Systems?*’
94. Hemenway, M. K., **Jogee, S.**, Fricke, K., & Preston, S. 2011, Bulletin of the American Astronomical Society, 43, #158.02: ‘*A Cluster Of Activities On Coma From The Hubble Space Telescope, StarDate, And McDonald Observatory*’
95. Marinova, I., **Jogee, S.**, Heiderman, A., Barazza, F. D, et al. 2011, in ”Tumbling, twisting, and winding galaxies: Pattern speeds along the Hubble sequence”, Editors E. M. Corsini and V. P. Debattista, Memorie della Societa Astronomica Italiana Supplementi, 18, 61: ‘*Barred disks in dense environments*’
96. Gonzalez Delgado, R. M., et al. 2010 in Proceedings of the Workshop “Extreme Starbursts in the Local Universe”, held at the IAAA, Granada, Spain June 2010, arXiv:1008.2107 (by invitation only): ‘*Extreme Starbursts in the Local Universe*’
97. Marinova, I., **Jogee, S.**, Trentham, N., et al. and the Coma ACS Treasury Survey Team 2010, in Proceedings of New Horizons in Astronomy: Frank N. Bash Symposium 2009, Editors L. Stanford, L. Hao, Y. Mao, J. Green (San Francisco, CA: ASP), 432, 219: ‘*Barred Galaxies in the Coma Cluster*’
98. Blanc, G. A, Gebhardt, K., Heiderman, A., Evans, N. J II, **Jogee, S.**, van den Bosch, R., Marinova, I., Weinzirl T., et al. 2010, in Proceedings of New Horizons in Astronomy: Frank N. Bash Symposium 2009, Editors L. Stanford, L. Hao, Y. Mao, J. Green (San Francisco, CA: ASP), 432, 180: ‘*The VIRUS-P Exploration of Nearby Galaxies (VENGA): Survey Design and First Results*’
99. **Jogee, S.** 2009 in ‘Galaxy Evolution: Emerging Insights and Future Challenges’, Editors S. Jogee, I. Marinova, L. Hao, and G. Blanc (San Francisco, CA: ASP), 419, 204: ‘*Galaxy Mergers and Their Impact over the Last 8 Gyr*’
100. Heiderman, A., **Jogee, S.**, Marinova, I., & the STAGES collaboration 2009 in ‘Galaxy Evolution: Emerging Insights and Future Challenges’, Editors S. Jogee, I. Marinova, L. Hao, and G. Blanc (San Francisco, CA: ASP), 419, 257: ‘*Galaxy Mergers in the A901/902 Supercluster with STAGES*’

101. Weinzirl, **Jogee, S.** Khochfar, S., Burkert, A., & Kormendy, J. 2009, in 'Galaxy Evolution: Emerging Insights and Future Challenges', Editors S. Jogee, I. Marinova, L. Hao, and G. Blanc (San Francisco, CA: ASP), 419, 74: '*Properties and Origin of Bulges in High Mass Spirals*'
102. Marinova, I., **Jogee, S.**, Heiderman, A., & the STAGES collaboration 2009, in 'Galaxy Evolution: Emerging Insights and Future Challenges', Editors S. Jogee, I. Marinova, L. Hao, and G. Blanc (San Francisco, CA: ASP), 419, 138: '*The Properties of Local Barred Disks in the Field and Dense Environments: Implications for Galaxy Evolution*'
103. Hao, L., **Jogee, S.**, Barazza, F. D., Marinova, I., Shen, J. 2009, in 'Galaxy Evolution: Emerging Insights and Future Challenges', Editors S. Jogee, I. Marinova, L. Hao, and G. Blanc (San Francisco, CA: ASP), 419, 402 (arXiv:0802.3910): '*Bars in Starbursts and AGNs – A Quantitative Reexamination*'
104. **Jogee, S.** 2008, in 'The Galaxy Disk in a Cosmological Context', Proceedings of IAU Symposium 254 (eds: J. Andersen, J. Bland-Hawthorn & B. Nordstrom) held in Copenhagen in June 2008, in press (arXiv:0810.5617; invited contribution): '*Observations Meet Theory: Merger Rates, Star Formation History, and Bulgeless Galaxies*'
105. Hemenway, M. K., **Jogee, S.**, Fricke, K., Worhatch, R., & Ruberg, L. 2008, *Astronomical Society of the Pacific Conference Series*, 389, 83
106. **Jogee, S.** 2007, Workshop on 'Galaxy and Black Hole Evolution: Towards a Unified View', University of Arizona TAP (*talks by invitation only*): '*Fueling the Black Hole: Internal and External Triggers*'
107. **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. 2008, in *Formation and Evolution of Galaxy Disks*, Editors J. G. Funes, S. J., & E. M. Corsini (San Francisco, CA: ASP), 396, 337 (arXiv:0802.3901): '*Frequency and Impact of Galaxy Mergers and Interactions over the last 7 Gyr*'
108. Heiderman, A. L., **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., Koposov, 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, in *New Horizons in Astronomy: Frank N. Bash Symposium 2007*, Editors A. Frebel, J. Maund, J. Shen, M. Siegel (San Francisco, CA: ASP), 393, 211 (arXiv:0802.3908): '*Morphological Transformations of Galaxies in the A901/02 Supercluster from STAGES*'
109. 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., Koposov, 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, in *New Horizons in Astronomy: Frank N. Bash Symposium 2007*, Editors A. Frebel, J. Maund, J. Shen, M. Siegel (San Francisco, CA: ASP), 393, 231 (arXiv:0802.3910): *‘Characterizing Barred Galaxies in Abell 901/902’*
110. Weinzirl, T., **Jogee, S.**, & Barazza, F.D. 2008, in *New Horizons in Astronomy: Frank N. Bash Symposium 2007*, Editors A. Frebel, J. Maund, J. Shen, M. Siegel (San Francisco, CA: ASP), 393, 279 (arXiv:0802.3903): *‘Constraints on Disk and Bulge Assembly from Structural Decomposition.’*
111. Miller, S., **Jogee, S.**, Penner, K., Conselice, C., Bell, E. F., Zheng, X. Z., Papovich, C., Skelton, R. E., Somerville, R. S., Robaina, A. R., Rix, H. W., Barazza, F. D., Barden, M., Borch, A., Caldwell, J. A. R., Haeussler, B., Heymans, C., Jahnke, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Sanchez, S. F., Wisotzki, L., Wolf, C. 2008, in *New Horizons in Astronomy: Frank N. Bash Symposium 2007*, Editors A. Frebel, J. Maund, J. Shen, M. Siegel (San Francisco, CA: ASP), 393, 235 (arXiv:0802.3917): *‘Exploring the Impact of Galaxy Interactions over Seven Billion Years with CAS’*
112. Heiderman, A. L., **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., Koposov, 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. 2007, in *Formation and Evolution of Galaxy Disks*, ed. J. G. Funes, S. J., & E. M. Corsini (San Francisco, CA: ASP), in press: *‘Galaxy Evolution in the A901/02 Supercluster: Constraints from Galaxy-Galaxy and Galaxy-ICM Interactions.’*
113. **Jogee, S.**, 2007, BAAS, 211, #88.01: *‘Evolution of Disk Galaxies: New Insights and Future Challenges’*
114. **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. 2007, BAAS, 211, #126.06: *‘Star Formation in Interacting and Normal Galaxies over the last 7 Gigayears’*
115. **Jogee, S.**, Hemenway, M. K., Miller, S., Smith, A., Augustine, A., Worhatch, R., Preston, S., Lester, D., Fricke, K. 2007, BAAS, 211, #06.12: *‘The Galaxies and Cosmos Explorer Tool: Charting Galaxies over Cosmic Times in The Classroom’*
116. Heiderman, A. L., **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., Koposov, 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. 2007, BAAS, 211, #96.13: *‘Transformation Of Galaxies By Interactions And Mergers In The A901/02 Supercluster’*

117. Marinova, I., **Jogee, S.**, Bacon, D., Balogh, M., Barden, M., Barazza, F. D., Bell, E. F., Boehm, A., Caldwell, J. A. R., Gray, M. E., Häußler, B., Heymans, C., Jahnke, K., van Kampen, E., Koposov, S., Lane, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Rix, H. W., Sanchez, S. F., Taylor, A., Wisotzki, L., Wolf, C., Zheng, X. 2007, BAAS, 211, #97.12: *'The Evolution of Bars and Disks as a Function of Environment in STAGES'*
118. Weinzirl, T., **Jogee, S.**, & Barazza, F. 2007, BAAS, 211, #97.09: *'Constraining Galaxy Evolution With Bulge+Disk+Bar Decomposition'*
119. Miller, S., **Jogee, S.**, Penner, K., Conselice, C., Bell, E. F., Zheng, X. Z., Papovich, C., Skelton, R. E., Somerville, R. S., Robaina, A. R., Rix, H. W., Barazza, F. D., Barden, M., Borch, A., Caldwell, J. A. R., Haeussler, B., Heymans, C., Jahnke, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Sanchez, S. F., Wisotzki, L., Wolf, C. 2007, AAS Meeting Abstracts, 211, #52.05: *'Characterizing Interacting Galaxies out to  $z$  0.8 Using CAS and Visual Classification'*
120. Barazza, F. D., **Jogee, S.**, & Marinova, I. 2007, IAU Symposium, 235, 76: *'Constraints on Bars in the Local Universe from 5000 SDSS Galaxies'*
121. Gray, M., Aragon-Salamanca, A., Bacon, D., Balogh, M., Barazza, F. D., Barden, M., Bell, E., Beswick, R., Boehm, A., Caldwell, J. A. R., Gallazzi, A., Gilmour, R., Green, D. A., Haeussler, B., Heiderman, A., Heymans, C., Jahnke, K., **Jogee, S.**, van Kampen, E., Koposov, S., Lane, K. P., Marinova, I., Meisenheimer, K., McIntosh, D. H., Papovich, C., Peng, C. Y., Rix, H., Saikia, D. J., Sanchez, S. F., Somerville, R. S., Taylor, A. N., Van Waerbeke, L., Wisotzki, L., Wolf, C., Zheng, X. 2007, AAS Meeting Abstracts, 211, #132.20: *'STAGES: Space Telescope A901/902 Galaxy Evolution Survey'*
122. 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.; Haeussler, B.; Jahnke, K.; **Jogee, S.**; van Kampen, E.; Koposov, S.; Lane, K.; McIntosh, D. H.; Meisenheimer, K.; Mellier, Y.; Rix, H. W.; Sanchez, S. F.; Taylor, A. N.; Wisotzki, L.; Zheng, X. 2007, AAS Meeting Abstracts, 211, #67.05: *'The Dark Matter Environment of the Abell 901/902 Supercluster: A High Resolution Weak Lensing Mass Map of the HST STAGES Survey'*
123. Wolf, Christian; Gray, M. E.; Bell, E. F.; Gallazzi, A.; Meisenheimer, K.; Papovich, C.; Aragon-Salamanca, A.; Bacon, D.; Balogh, M.; Barazza, F. D.; Barden, M.; Boehm, A.; Caldwell, J. A. R.; Haeussler, B.; Heymans, C.; Jahnke, K.; **Jogee, S.**; van Kampen, E.; Koposov, S.; Lane, K.; McIntosh, D. H.; Peng, C.; Rix, H.; Sanchez, S. F.; Somerville, R. S.; Taylor, A. N.; Wisotzki, L.; Zheng, X. 2007, AAS Meeting Abstracts, 211, #67.01: *'Optically Passive Infall Spirals In Stages: Star Formation Only Semi-quenched'*
124. Häußler, B., Bell, E. F., Barden, M., McIntosh, D. H., Rix, H-W, Borch, A., Beckwith, S. V. W., Caldwell, J. A. R., Heymans, C., Jahnke, K., **Jogee, S.**, Koposov, S. E., Meisenheimer, K., Peng, C. Y., Snchez, S. F., Somerville, R. S., Wisotzki, L., Wolf, C. 2007, IAU Symposium, 235, 102: *'GEMS: The destiny of Blue Spheroidal Galaxies'*



125. Penner, K., **Jogee, S.**, Miller, S., & GEMS collaboration, 2006, BAA, Vol. 38, p.1147: *‘Constraining the interaction history of galaxies over 4 Gyr’*
126. Barazza, F., **Jogee, S.**, Rix, H.-W., et al. 2006, in New Horizons in Astronomy: Frank N. Bash Symposium, Editors S. Kannappan, S. Redfield, N. Drory, J. Kessler-Silacci, M. Landriau (San Francisco, CA: ASP), 352, 225: *‘Studying distant dwarf galaxies with GEMS and SDSS’*
127. Barazza, F., & **Jogee, S.** 2005, Proceedings of IAUC198: Near-Field Cosmology with Dwarf Elliptical Galaxies, eds. Helmut Jerjen and Bruno Binggeli, 177 (astro-ph/0505514): *‘Evolution of Field Dwarf Galaxies with GEMS’*
128. **Jogee, S.**, Barazza, F., Rix, H.-W., Davies, J., Heyer, I., Barden, M., Beckwith, S. V. W., Bell, E. F., et al. 2004, in Penetrating Bars through Masks of Cosmic Dust: The Hubble Tuning Fork Strikes a New Note, eds. D. Block, K. Freeman, R. Groess, I. Puerari, & E.K. Block (Dordrecht: Kluwer), p. 291: *‘Evolution and Impact of Bars over the Last Nine Gyr: Early Results from GEMS’*
129. **Jogee, S.**, GEMS Collaboration, & GOODS Team 2004, BAAS, 65.03: *‘Evolution and Impact of Large-Scale Bars in the last 10 Gyr’*
130. Wisotzki, L., Jahnke, K., Sanchez, S. F., Wolf, C., Barden, M., Bell, E. F., Borch, A., HaeUssler, B., Meisenheimer, K., Rix, H.-W., Beckwith, S. V. W., Caldwell, J. A. R., **Jogee, S.**, Somerville, R. S., McIntosh, D. H., Peng C. Y. (the GEMS collaboration), to appear in proceedings ‘Multiwavelength AGN Surveys’, Cozumel 2004: *‘Evolution of optically faint AGN from COMBO-17 and GEMS’*
131. **Jogee, S.**, GEMS/GOODS Collaboration, 2004, BAAS, 131.07: *‘Bar-Driven Galaxy Evolution at Intermediate Redshifts’*
132. Grogin, N. A., Conselice, C. J., Chatzichristou, E., Alexander, D. M., Bauer, F. E., Hornschemeier, A. E., **Jogee, S.**, Koekemoer, A. M., Laidler, V. G., Livio, M., et al. 2004, BAAS, 203.5511: *‘GOODS Evidence for Black Hole-Bulge Correlation and against Merger-AGN Connection at  $0.4 < z < 1.3$ ’*
133. **Jogee, S.**, Conselice, C. J., Barden, M., Beckwith, S. V. W., Bell, E. F., Borch, A., Caldwell, J. A. R., Häußler, B., Jahnke, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Rix, H.-W., Sanchez, S. F., Somerville, R. S., Wisotzki, L., Wolf, C., Mobasher, M., Dahlen, T., de Mello, D., & Lucas, R. A 2003, IAU Symposium 216, Maps of the Cosmos: *‘Tidal Interactions and Mergers at Early Cosmic Times’*
134. **Jogee, S.**, Knapen, J. H., Shlosman, I., Lubell, G., Davies, J., Barden, M., Beckwith, S. V. W., Bell, E. F., Borch, A., Caldwell, J. A. R., Häußler, B., Jahnke, K., McIntosh, D. H., Meisenheimer, K., Peng, C. Y., Rix, H.-W., Sanchez, S. F., Somerville, R. S., Wisotzki, L., Wolf, C., Conselice, C., Laine, S., Ravindranath, S., & Mobasher, M. 2003, IAU Symposium 216, Maps of the Cosmos: *‘Bar-Driven Galaxy Evolution at Intermediate Redshifts’*
135. Jahnke K., Snchez S. F., Wisotzki L., Huler B, Rix H.-W., Beckwith S., Barden M., Bell E., Borch A., Caldwell J., **Jogee, S.**, McIntosh D. H., Meisenheimer K., Peng C., Somerville R. S., Wolf C., 2004, to appear in Proceedings of the ESO/USM/MPE

Workshop on Multiwavelength Mapping of Galaxy Formation and Evolution, Venice, Italy, 13-16 October 2003, eds. R. Bender and A. Renzini, Springer series 'ESO Astrophysics Symposia'

136. Beckwith, S. V. W., Rix, H-W; Barden, M., Bell, E. F., Caldwell, J. A. R., Borch, A., Haeussler, B., **Jogee, S.**, de Marchi, G., McIntosh, D., Meisenheimer, K., Peng, C. Y., Somerville, R. S., Wisotzki, L., Wolf, C., Jahnke, K., Sanchez, S. F. 2003, IAU Symposium 216, Maps of the Cosmos: '*Galaxy Evolution from Morphology and SEDS: GEMS*'
137. Haeussler B., Rix, H-W., Beckwith, S. V. W., Barden, M., Bell, E. F., Borch, A., Caldwell, J. A. R., 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. 2003, IAU Symposium 216, Maps of the Cosmos: '*Fitting 20,000 galaxies: GALFIT meets GEMS*'
138. Barden, M., Haeussler B. , Rix, H-W., Bell, E. F., Borch, A., Meisenheimer, K., Beckwith, S. V. W., **Jogee, S.**, Somerville, R. S., & Caldwell, J. A. R. 2003, IAU Symposium 216, Maps of the Cosmos: '*GEMS: The evolution of disk sizes over the last 10 Gyrs*'
139. Jahnke, K., Sanchez, S. F., Wisotzki, L., Barden, M., Beckwith, S.V.W., Bell, E. F., Borch, A., Caldwell, J. A. R., Häußler, B., **Jogee, S.**, McIntosh, D. H., Meisenheimer, Peng C. Y., Rix, H-W., Somerville, R. S., & Wolf, C. 2003, Proceeding of Venice Conference on Multiwavelength Mapping of Galaxy Evolution, submitted: '*Quasar Host Galaxies of GEMS: First results  $0.5 < z < 2.75$* '
140. Reddy, N., **Jogee, S.** & Scoville, N. Z. 2003, IAU Symposium JD06, Extragalactic Globular Clusters and their Host Galaxies: '*Young Stellar Clusters in the ULIRG IRAS 17208-0014*'
141. Beckwith, S. V. W., Caldwell, J., Clampin, M., de Marchi, G., Dickinson, M., Ferguson, H., Fruchter, A., Hook, R., **Jogee, S.**, Koekemoer, A. et al. 2003, BAAS, 202., #17.05: '*The Hubble Ultra Deep Field*'
142. Somerville, R. S., Barden, M., Beckwith, S. V. W., Bell, E., Borch, A., Caldwell, J. A. R., Jahnke, K., **Jogee, S.**, McIntosh, D. H. et. al. 2003, BAAS, 202, #17.06: '*Morphologies and SEDs for 10,000 Galaxies to  $z=1.2$ : Early Results from GEMS*'
143. **Jogee, S.**, Shlosman, I., Englmaier, P., Knapen, J. H., Laine, S., Scoville, N. Z., & Wilson, C. D. 2003, in 'Active Galactic Nuclei: from Central Engine to Host Galaxy', Editors. S. Collin, F. Combes, and I. Shlosman (San Francisco, CA: ASP), 290, 437: '*Bar-Driven Disk Evolution: Grand-Design Nuclear Spirals*'
144. **Jogee, S.**, Reddy, N., & Scoville, N. Z. 2003, in 'Active Galactic Nuclei: from Central Engine to Host Galaxy', Editors. S. Collin, F. Combes, and I. Shlosman (San Francisco, CA: ASP), 290 , 513: '*IRAS 17208: An Advanced Merger with a Gas-Rich Starburst Evolving toward an Elliptical Galaxy?*'

145. Baker, A. J., **Jogee, S.** Sakamoto, K., & Scoville N. Z. 2003, in 'Active Galactic Nuclei: from Central Engine to Host Galaxy', Editors. S. Collin, F. Combes, and I. Shlosman (San Francisco, CA: ASP), 290 , 479: *'The OVRO MAIN survey: Molecular gas in Active and Inactive Nuclei'*
146. **Jogee, S.** 2002, MPE/MPIA Ringberg Workshop, Center of Galaxies, Online Proceedings (<http://www.mpia.de/THEORY/COG02/>) : *'Bar-Driven Evolution of the Central Kpc : Density Waves and Nuclear Bars'*
147. **Jogee, S.**, Conselice, C., Ravindranath, S. Shlosman, I., Knapen, J. H., Mobasher, B. Koekemoer, A. M., Lucas, R. A., Laine, S. Hornschemeier, A., and the GOODS Team 2002, BAAS, 201, #06.15: *'Structure and Evolution of Disk Galaxies in the GOODS Fields'*
148. Dahlen, T., Conselice, C. J., de Mello, D., Gardner, J. P., Grogin, N. A., Idzi, R., **Jogee, S.**, Lucas, R. A., Mobasher, B., da Costa, L., et al. 2002, BAAS, 201, #06.10: *'Luminosity Function for Different Spectral Types of Galaxies in the GOODS Southern Field'*
149. Ravindranath, S., Conselice, C., Chatzichristou, E., de Mello, D., Ferguson, H. C., Gardner, J. P., Giavalisco, M., Grogin, N. A., Hornschemeier, A., **Jogee, S.** et al. 2003, BAAS, 201, #06.11: *'Evolution of Structural Parameters of Galaxies in the GOODS-South field'*
150. Lucas, R. A, Conselice, C. J., Chatzichristou, E., Dahlen, T., de Mello, D., Gardner, J. P., Giavalisco, M., Grogin, N. A., Hornschemeier, A., **Jogee, S.**, Koekemoer, A. M., Mobasher, B., Ravindranath, S., Urry, C. M., and the GOODS Team 2002, BAAS, 201, #06.13: *'Normal Galaxies and Mergers: The Morphological Mix of Galaxies'*
151. **Jogee, S.**, Shlosman, I., Englmaier, P., Knapen, J. H., Laine, S., Scoville, N. Z., & Wilson, C. D., 2002, ASP Conf. Series, Vol. 275, Disks of Galaxies: Kinematics, Dynamics, & Perturbations, eds. E. Athanassoula & A. Bosma (San Francisco, CA: ASP), 275: *'Grand-Design Spiral Structure from 100 pc to 10 kpc Scales: Implications for Disk Evolution'*
152. **Jogee, S.**, Shlosman, I., Laine, S., Englmaier, P., Scoville, N. Z., Knapen, J. H., & Wilson, C. D. 2002, BAAS, 199, #72.04: *'Gas Dynamics and Star Formation in the Grand-Design Spiral NGC 5248'*
153. Reddy, N. , **Jogee, S.**, & Scoville, N. Z. 2002, BAAS, 199, #49.07: *'The central starburst and young stellar clusters in the Ultra Luminous IR Galaxy IRAS 17208-0014'*
154. **Jogee, S.** Baker, A. J., Sakamoto, K., & Scoville N. Z. 2001, BAAS, 198, #74.04: *'Molecular Gas in Active and Quiescent Galactic Nuclei'*
155. **Jogee, S.** 2001, to appear in Proceeding of the July 2001 Center for Star Formation Studies Workshop, Santa Cruz, ed. D. Hollenbach: *'Circumnuclear Gas Transport and Star Formation Triggers'*

156. **Jogee, S.**, Baker, A. J., Sakamoto, K., Scoville, N. Z., & Kenney, J. D. P. 2001, ASP Conf. Series, Vol. 249, The Central kpc of Starbursts and AGN: The La Palma Connection, eds. J. H. Knapen, J. E. Beckman, I. Shlosman, & T. J. Mahoney (San Francisco, CA: ASP), 612 (astro-ph/0201209): *'Molecular Gas in The Central Kpc of Starbursts and AGN'*
157. **Jogee, S.** 2001, in Proceedings of Ringberg Workshop, Starbursts Near and Far, eds L. Tacconi & D. Lutz (Heidelberg: Springer-Verlag), 182 (astro-ph/0201202): *'Starburst: Triggers and Evolution'*
158. **Jogee, S.**, & Kenney, J. D. P. 2001, ASP Conference Series, Vol. 197, Dynamics of Galaxies: from the Early Universe to the Present, ed. F. Combes, G.A. Mamon, & V. Charmandaris (San Francisco, CA: ASP), 193: *'Molecular Gas in Circumnuclear Starbursts'*
159. **Jogee, S.**, Kenney, J. D. P., & Smith, B. J. 1999, in Proceedings of IAU Symposium 186, Galaxy Interactions at Low and High Redshift, ed. D. Sanders, & J. Barnes (Dordrecht: Kluwer Academic Publishers), 357: *'The Interplay between the Nuclear Bars, Central Starburst, and Remarkable Outflow in NGC 2782'*
160. **Jogee, S.**, & Kenney, J. D. P. 1998, in Proceedings of IAU Symposium 184, The Central Regions of the Galaxy and Galaxies, ed. Y. Sofue (Dordrecht: Kluwer Academic Publishers), 223: *'The Central Gas Consumption Timescale in Spirals'*
161. **Jogee, S.** 1997, BAAS, 191, #89.01: *'Molecular Gas and Starbursts in the Circumnuclear Region of Spirals'*
162. Kenney, J., & **Jogee, S.** 1997, in Proceedings of the 7th Annual Maryland Astrophysics Conference: Star Formation Near and Far, eds. S. Holt & L. Mundy, p 247: *'Dynamical Influences on Star Formation in Spiral Galaxies'*
163. **Jogee, S.**, & Kenney, J. D. P. 1996, in Proceedings of IAU Colloquium 157, Barred Galaxies, ed. R. Buta, D. A. Crocker, & B. G. Elmegreen (San Francisco, CA: ASP), ASP Conference Series 91, 230: *'CO kinematics, star formation, and dynamical evolution of the lensed starburst NGC 4102'*
164. Bailyn, C. D., **Jogee, S.**, Orosz, J. A., & Hjellming, R. M. 1994, IAU Circ., 6060, 1 ed. Green, D. W. E: *'X-Ray Nova in Scorpius'*

### Chapters in Books

165. Author of invited chapter entitled *'Fueling and Evolution of AGN: Internal and External Triggers'* in book entitled *'Physics of Active Galactic Nuclei at all Scales'*: **Jogee, S.** 2006, Lecture Notes in Physics, Vol. 693, Eds. D. Alloin, R. Johnson, and P. Lira (Springer: Berlin Heidelberg), 143 (astro-ph/0408383). This textbook is aimed at Ph.D. students and young researchers.

### Publications Edited

166. Main editor of book Entitled 'Galaxy Evolution: Emerging Insights and Future Challenges', Editors S. Joglee, I. Marinova, L. Hao, and G. Blanc (San Francisco, CA: ASP),

### Technical Publications

167. Koekomoer, A., Joglee, 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>)
168. Joglee, S., Ferguson, H., Stiavelli, M., Panagia, N., and Riess, A., 2002: '*Planning of the ACS Ultra Deep Field*' (<http://www.stsci.edu/science/udf>)
169. Joglee, S. 2003: '*A primer for ACS instrument reviews of Phase II proposals*' (<http://www.stsci.edu/hst/acs/phase2support/>)

### Appendix C: Select List of Talks

**Summary:** I have presented over 60 invited colloquia and talks at universities and conferences (e.g., in USA, England, France, Germany, the Netherlands, Italy, Spain, Chile, South Africa, etc) on research and academic leadership. Below is a select list of talks:

1. Department Chair's Presentation on Astronomy Program Milestones and Research Highlights to the Astronomy Board of Visitors (July 2017)
2. Invited talk on "Cosmic Explorations, Interdisciplinary Partnerships, and STEM Education", National Association of Women Business Owners (April 2017)
3. Department Chair's Presentation on Astronomy Program Milestones and Research Highlights to the Astronomy Board of Visitors (Feb. 2017)
4. Voice America one hour radio interview<sup>12</sup> highlighting UT Astronomy, academic leadership, and my journey as a female astronomer (2016)
5. Presentation of "Department Strategic Vision Plan and Challenges for the Next Decade", Astronomy Program Strategic Retreat (Sep. 2016)
6. Invited Talk on "Developing a Department Vision Plan", UT Academic Leadership Symposium (Aug. 2016)
7. Presentation of the education and research mission of the Astronomy program to the State of Texas Legislative Staff, including staff from Governor Abbott's office, the Senate Higher Education Committee, the Senate Finance Committee, and the House Appropriations Committee (July 2016)
8. Department Chair's Presentation on Astronomy Program Milestones and Research Highlights to the Astronomy Board of Visitors (July 2016)
9. Department Chair's Presentation on Astronomy Program Milestones and Research Highlights to the Astronomy Board of Visitors (Feb. 2016)
10. Presentation of the Astronomy Department's Budget Priorities to the CNS Budget Council (Dec. 2015, Dec. 2016)
11. Presentation of the Astronomy Department's Strategic Vision Plan at the Dean's retreat for Department Chairs (Aug. 2015)
12. Invited Review Talk entitled 'Transforming Galaxies since  $z \sim 3$  via Mergers, Gas Accretion, and Secular Processes' at the international conference on "The Many Pathways to Galaxy Growth", June 2015, Prato, Italy.
13. Invited Talk on 'Assembly of Massive Galaxies: Emerging Insights and Outstanding Challenges', Monash University, Australia, June 2015
14. Invited colloquium, Physics & Astronomy Department, University of Alabama, January 2015
15. Invited Talk at the conference on "The Triggering Mechanisms for Active Galactic Nuclei", Lorentz Center, Leiden, The Netherlands (July 2013)<sup>13</sup>

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<sup>12</sup>[www.voiceamerica.com/episode/93888](http://www.voiceamerica.com/episode/93888)

<sup>13</sup><http://www.lorentzcenter.nl/lc/web/2013/559/program.php3?wsid=559&venue=Oort>

16. Invited talk at the conference on “ High redshift galaxies with CCAT”, University of Colorado, USA (Sep 2012; by invitation only)<sup>14</sup>
17. Invited talk at the conference on “Disc Galaxy Formation in a Cosmological Context”, Max Planck Institute for Astronomy, Heidelberg, Germany (May 2012; by invitation only) <sup>15</sup>
18. Invited colloquium, Harvard University, Institute for Theory and Computation, USA (Mar 2011)
19. Invited talk at the workshop on “Pioneering into the Extragalactic Frontier with the Giant Magellan Telescope”, TAMU, USA (Mar 2011)
20. Invited talk at the Max Planck Institute for Extraterrestrial Physics (MPE) and DFG cluster of excellence ”Origin and Structure of the Universe”, Germany (May 17, 2011)
21. Invited talk at the Max Planck Institute for Extraterrestrial Physics (MPE), Germany (May 25, 2011)
22. Invited talk at the “Starbursts 2010” workshop, Granada, Spain (June 2010)
23. Invited talk at the Ringberg workshop on ”Galaxies in the Distant Universe: Dynamics, Gas, and Early Evolution”, Germany (May 2010)
24. Contributed talk at the Fourth North American ALMA Science Center Conference on ‘Assembly, Gas Content and Star Formation History’, Charlottesville, Virginia, USA (Oct 2009).
25. Invited talk at the Galaxy Evolution Workshop organized by Harvard University and Keck Foundation, USA (Feb 2009; by invitation only)
26. Invited review talk at the conference on bar dynamics along the Hubble sequence, Italy (Aug. 2008)
27. Invited talk at the International Astronomical Union (IAU) Symposium 254, ‘The Galaxy Disk in a Cosmological Context’, Copenhagen, Denmark (June 2008)
28. Invited colloquium at the Harvard University, Institute for Theory and Computation, USA (Feb. 2008)
29. Invited colloquium at the University of California at Santa Cruz, USA (Jan. 2008)
30. Invited Plenary Talk at the 211th American Astronomical Society Meeting, USA (Jan. 2008): ‘*Evolution of Disk Galaxies: New Insights and Future Challenges*’
31. Invited talk at the workshop on ‘Galaxy and Black Hole Evolution: Towards a Unified View’, University of Arizona, USA (talks by invitation only; Nov. 2007).
32. Invited colloquium at the University of Arizona, USA (Nov. 2007)
33. Contributed talk at the conference on ‘Formation and Evolution of Galaxy Disks’, Rome, Italy (Oct. 2007)
34. Invited colloquium at the Space Telescope Science Institute, USA (May 2006)

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<sup>14</sup><http://www.ccatobservatory.org/index.cfm/events.details?eventID=388>

<sup>15</sup><http://www.mpia-hd.mpg.de/~DISKS/home.html>

35. Contributed talk at the conference on ‘Galaxies and Structures Through Cosmic Times’, Venice, Italy (March 2006)
36. Invited talk at the conference on ‘The Origin of the Hubble Sequence’, Vulcano, Italy (June 2005)
37. Invited talk at the conference on ‘Dynamics of Galaxies’, Las Vegas, USA (May 2005)
38. Invited review talk at the AAS Session 65, Galaxy Structure, USA (June 2004): *‘Evolution and Impact of Large-Scale Bars in the last 10 Gyr’*
39. Contributed talk at the conference on ‘Penetrating Bars through Masks of Cosmic Dust: The Hubble Tuning Fork Strikes a New Note’, South Africa (June 2004)
40. Invited lecturer for the Lecture Series on on AGN Research organized by the European Southern Observatory, Santiago, Chile (Dec. 2003)
41. Invited talk at the MPE/MPIA Ringberg conference on ‘Center of Galaxies’, Germany (Nov. 2002)
42. Invited talk, Starburst Series, NASA Goddard Space Flight Center, USA (Sep. 2002)
43. Contributed talk at the Meudon conference on ‘Active Galactic Nuclei: from Central Engine to Host Galaxy’, France (July 2002)
44. Invited talk at the Center for Star Formation Studies, University of Santa Cruz, USA (July 2001)
45. Miscellaneous Colloquia/Seminars/Team Workshops (2001–2007): University of Florida, USA; Leiden Observatory, The Netherlands ; University of Massachusetts, USA; NASA Goddard Space Flight Center (GSFC), USA; Space Telescope Science Institute (STScI), USA; California Institute of Technology (Caltech), USA; Max Planck Institute for Astronomy (MPA) in Heidelberg, Germany; University of Nottingham, England.



## Appendix D: Select List of Courses and Outreach Activities

### Courses Taught and Selected Educational Activities

- AST 386c: Properties and Evolution of Galaxies (Graduate Course; Fall 2016, 2014)
- AST 381c: Gravitational Dynamics (Graduate Course; Spring 2007, 2010)
- AST 386s: Extragalactic Astronomy Seminar (Graduate Course; Spring 2005, Spring 2006, Fall 2006, Spring 2007, Spring 2008, Fall 2013, Spring 2014, Fall 2014)
- 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.
- AST 358: Galaxies and the Universe (Upper Division Undergraduate Course for Astronomy, Physics, and Engineering Majors; Spring 2006, 2008, 2009, 2012, 2013, 2015)
- I initiated and developed a new course entitled ‘AST 376R: A Practical Introduction to Research in Astronomy and Astrophysics’ to better prepare undergraduates for research and support the College of Natural Science Freshman Research Initiative. I taught this course to undergraduates, ranging from Freshmen and to upper division students in Astronomy, Physics, Engineering, and Computer science in Fall 2009, 2010, 2011, 2012, 2013 and 2015
- AST 301: Introduction to Astronomy (Undergraduate Course; Fall 2005, 2006)
- AST 104: Undergraduate Astronomy Seminar (Fall 2009)
- 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)*<sup>16</sup>, an online tool to to actively engage undergraduate students, high school students, and the general public in ‘surfing’ through large galaxy surveys conducted with NASA’s *Hubble Space Telescope* and exploring galaxies through cosmic time.
- 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)

### Selected Outreach Activities

1. Invited talk on “Cosmic Explorations, Interdisciplinary Partnerships, and STEM Education”, National Association of Women Business Owners (2017)
2. Voice America one hour radio interview<sup>17</sup> highlighting UT Astronomy, academic leadership, and my journey as a female astronomer (2016)

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<sup>16</sup><http://www.as.utexas.edu/gcet/>

<sup>17</sup>[www.voiceamerica.com/episode/93888](http://www.voiceamerica.com/episode/93888)

3. Presentation of the education and research mission of the Astronomy program to the State of Texas Legislative Staff, including staff from Governor Abbott's office, the Senate Higher Education Committee, the Senate Finance Committee, and the House Appropriations Committee (July 2016)
4. Presentation of Astronomy program milestones and research highlights to the Astronomy program Board of Visitors (240 members) twice a year (Feb. 2016, July 2016, Feb, 2017, July 2017).
5. Various research and STEM-related presentations to CNS, Astronomy, and Physics groups (CNS Women in Natural Sciences (WINS), UG women in Physics UWIP), Astronomy Student Association (ASA)) (2016-17).
6. Awarded a Graduate School Diversity Mentoring Fellowship and acting as mentor for a first-year female graduate student (2014-15).
7. 2012: Invited to lead a feature video for "The Universe" exhibit hall in the new Perot Museum of Science in Dallas, Texas, to encourage students to pursue STEM careers.
8. 2012: AAS Press Release entitled "Hubble Study Challenges Galaxy Major Mergers as Largest Driver of Galaxy Evolution", by Jogee, S., Weinzirl, T., Conelice, C., and the GOODS-NICMOS Survey team
9. 2010: Speaker and Member of Guest Panel at the Bullock Texas State History Museum to commemorate the 20th anniversary of the *Hubble Space Telescope* and introduce the Hubble IMAX movie
10. 2009: Delivered a videoconference talk and hosted a Q&A session with a science class at the Khabele School in Austin (for early childhood through 12th grade kids).
11. 2009–2010: Produced an outreach video on YouTube entitled "Radical Transformations: Studying the Coma Cluster", featuring faculty and graduate students conducting research on the Coma cluster, using Hubble Space Telescope data :  
<http://www.youtube.com/stardatemagazine#p/u/8/hvSzVW1KACE>  
<http://www.youtube.com/mcdonaldobservatory#p/u/14/INHQxhqVtKQ>
12. 2008–2010: Led the US-based EPO program for the HST ACS Treasury Survey of the Coma cluster. Worked with the McDonald EPO office to produce five 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 nationally-distributed Universo Teacher's Guide; class activities related to the ACS Treasury Survey of Coma Cluster; and a Viewspace movie shown in museums across the country.
13. 2006–2010: Used a UT FAST Tex Award for Instructional Innovation Techniques, along with funding from NASA and NSF, to develop the *Galaxies and Cosmos Explorer Tool (GCET)*<sup>18</sup>, an online tool to actively engage the general public, high school students, and undergraduate students in exploring the evolution of galaxies over a large fraction of the age of the Universe.

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<sup>18</sup><http://www.as.utexas.edu/gcet/>

14. 2008: Joint NASA/UT Austin/McDonald Observatory Press Conference: 'Study from Hubble, Spitzer Space Telescopes Reveals Cosmic Fireworks Fizzled Out at Universe Reached Mid-Life'.
15. 2006: Invited speaker, River Oaks Club, Houston, Texas
16. 2004: 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