EDUCATION AND PROFESSIONAL HISTORY

Higher Education

2008	Ph.D., Astronomy, University of Hawai'i
2005	M.S., Astronomy, University of Hawai'i
2003	B.S., Astronomy, Nanjing University

Professional and Academic Positions

2019 – Present	Associate Professor, Physics & Astronomy, University of Iowa
2013 - 2019	Assistant Professor, University of Iowa
2011 - 2013	Postdoctoral Research Associate, University of California, Irvine
2008 - 2011	Postdoctoral Researcher, California Institute of Technology

Professional Service

2009 – Present	Referee for the Astrophysics Journal, the Astronomical Journal, Astronomy and
	Astrophysics, Monthly Notices of the Royal Astronomical Society, New Astronomy Reviews
2015, 18, 19	Reviewer for Grant Proposals, National Science Foundation
2017	Reviewer of Large Program Proposals, James Clerk Maxwell Telescope
2013 - 2015	Science Reviewer of Observing Proposals, National Radio Astronomy Observatory

SCHOLARSHIP

Research Interest

Galaxy mergers, Rotation curves of high-redshift galaxies, Gas accretion in early massive halos

Selected Publications (2012-2021)

- Steffen, J. L., Fu, H., Comerford, J. M., and 4 colleagues 2021. SDSS-IV MaNGA: The Radial Profile of Enhanced Star Formation in Close Galaxy Pairs. The Astrophysical Journal 909, 13 pages
- Fu, H., Xue, R., Prochaska, J. X., and 5 colleagues 2021. A Long Stream of Metal-poor Cool Gas around a Massive Starburst Galaxy at z = 2.67. The Astrophysical Journal 908, 26 pages
- Gross, A. C., Fu, H., Myers, A. D., and 2 colleagues 2019. X-Ray Properties of Radio-selected Dual Active Galactic Nuclei. The Astrophysical Journal 883, 11 pages
- Isbell, J. W., Xue, R., and Fu, H. 2018. The Evolution of Molecular Gas Fraction Traced by the CO Tully-Fisher Relation. The Astrophysical Journal Letters 869, 8 pages
- Xue, R., Fu, H., Isbell, J., and 3 colleagues 2018. Flat Rotation Curves Found in Merging Dusty Starbursts at z = 2.3 through Tilted-ring Modeling. The Astrophysical Journal Letters 864, 9 pages
- Fu, H., Steffen, J. L., Gross, A. C., and 7 colleagues 2018. SDSS-IV MaNGA: Galaxy Pair Fraction and Correlated Active Galactic Nuclei. The Astrophysical Journal 856, 19 pages
- Fu, H., Isbell, J., Casey, C. M., and 4 colleagues 2017. The Circumgalactic Medium of Submillimeter Galaxies. II. Unobscured QSOs within Dusty Starbursts and QSO Sightlines with Impact Parameters below 100 kpc. The Astrophysical Journal 844, 16 pages
- Fu, H., Hennawi, J. F., Prochaska, J. X., and 14 colleagues 2016. The Circumgalactic Medium of Submillimeter Galaxies. I. First Results from a Radio-identified Sample. The Astrophysical Journal 832, 11 pages
- Fu, H., Wrobel, J. M., Myers, A. D., and 2 colleagues 2015. Binary Active Galactic Nuclei in Stripe 82: Constraints on Synchronized Black Hole Accretion in Major Mergers. The Astrophysical Journal Letters 815, 7 pages
- Fu, H., Myers, A. D., Djorgovski, S. G., and 3 colleagues 2015. Radio-selected Binary Active Galactic Nuclei from the Very Large Array Stripe 82 Survey. The Astrophysical Journal 799, 10 pages
- Calanog, J. A., Fu, H., Cooray, A., and 39 colleagues 2014. Lens Models of Herschel-selected Galaxies from High-resolution Near-IR Observations. The Astrophysical Journal 797, 26 pages

- Wrobel, J. M., Walker, R. C., and Fu, H. 2014. Evidence from the Very Long Baseline Array that J1502SE/SW are Double Hotspots, not a Supermassive Binary Black Hole. The Astrophysical Journal Letters 792, 4 pages
- Fu, H., Cooray, A., Feruglio, C., and 41 colleagues 2013. The rapid assembly of an elliptical galaxy of 400 billion solar masses at a redshift of 2.3. Nature 498, 4 pages
- Bussmann, R. S., Gurwell, M. A., Fu, H., and 35 colleagues 2012. A Detailed Gravitational Lens Model Based on Submillimeter Array and Keck Adaptive Optics Imaging of a Herschel-ATLAS Submillimeter Galaxy at z = 4.243. The Astrophysical Journal 756, 11 pages
- Fu, H., Jullo, E., Cooray, A., and 48 colleagues 2012. A Comprehensive View of a Strongly Lensed Planck-Associated Submillimeter Galaxy. The Astrophysical Journal 753, 12 pages
- Fu, H., Yan, L., Myers, A. D., and 4 colleagues 2012. The Nature of Double-peaked [O III] Active Galactic Nuclei. The Astrophysical Journal 745, 18 pages

Grants and Contracts

Sep 2021 - Aug 2024 A Comprehensive Study of Nearby Galaxy Mergers with a Massive Integral-Field

Spectroscopic Survey

NSF AST-2103251

Funded by National Science Foundation.

Award amount: (\$343,595.00).

Sep 2016 - Aug 2021 Understanding Merger-Driven Galaxy Evolution with a Uniform Sample of

Sub-Galactic-Scale Binary Active Galactic Nuclei

NSF AST-1614326

Funded by National Science Foundation.

Award amount: (\$405,011.00).

Dec 2016 - Dec 2018 Testing the Merger Paradigm: X-ray Observations of Radio-Selected

Sub-Galactic-Scale Binary AGNs

Chandra #18700044

Funded by Smithsonian Astrophysical Observatory (Chandra X-ray Observatory).

Award amount: (\$67,399.00).

Apr 2016 - Sep 2017 National Radio Astronomical Observatory Student Observing Support

SOSPA3-016

Funded by National Radio Astronomical Observatory.

Award amount: (\$34,994.00).

Dec 2013, Feb 2017 Probing the Circum-Galatic Medium of Herschel-Selected Submillimeter Galaxies

RSA-1495624, and RSA-1568087

Funded by NASA Exoplanet Science Institute (Keck Observatory).

Award amount: (\$23,600.00).

Selected Lectures and Conference Presentations

2019	The ISM and CGM of Dusty Starburst Galaxies, invited review talk, MIST2019
	Meeting on "Cosmic turbulence and magnetic fields: physics of baryonic matter across
	time and scales", Cargese, Corsica, France
2018	Do Galaxy Mergers Trigger Active Galactic Nuclei?, invited colloquium, National
	Radio Astronomy Observatory, Socorro, New Mexico, United States
2015	Understanding Galaxy Evolution with Dusty Starburst Galaxies, invited colloquium,
	Gemini South Observatory, La Serena, Chile
2015	Adaptive Optics in Astronomy, invited review talk, Meeting on AGN Fueling and Star
	Formation, Lijiang, Yunnan, China
2015	Extended Emission Line Regions around Quasars, invited review talk, Workshop on
	AGN Ionization Echoes, La Serena, Chile
2012	Merger-Induced Black Hole Accretion & Star Formation: Observations vs.
	Simulations, invited colloquium, Jet Propulsion Laboratory, Pasadena, California,
	United States