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Caltech/IPAC

Role in the Project:
Will focus on the characterizing the galaxy environment within filaments, as well as infrared properties of galaxies within the filaments.

Employment:
Research Scientist at Caltech/IPAC (Oct 2007—Present)
Postdoctoral Scholar, Caltech (Oct 2004—Oct 2007)

Education:
Ph. D. in Astronomy, University of Washington (2004)
B. S. in Astronomy with Honors, Caltech (1997)

Selected Publications:

The Evolution of the Faint End of the UV Luminosity Function during the Peak Epoch of Star Formation ($1 < z < 3$), Alavi et al. 2016, ApJ 832, 56.

Probing the Interstellar Medium of z∼1 ULIRGs through Interferometric Observations of CO and Spitzer Mid-IR Spectroscopy, Pope et al. 2013, ApJ, 772, 92.

CO J = 2-1 Line Emission in Cluster Galaxies at $z \sim 1$: Fueling Star Formation in Dense Environments, Wagg et al. 2012, ApJ, 752, 91.

Resolving the Galaxies within a Giant Lyα Nebula: Witnessing the Formation of a Galaxy Group?, Prescott et al. 2012, ApJ 752, 86.

The Spectral Energy Distributions and Infrared Luminosities of $z \approx 2$ Dust-obscured Galaxies from Herschel and Spitzer, Melbourne et al. 2012, AJ, 143, 125.

The Star Formation Histories of z∼2 Dust-obscured Galaxies and Submillimeter-selected Galaxies, Bussmann et al. 2012, ApJ, 744, 150.

The evolution of early-type galaxies in clusters from z∼0.8 to z∼0: the ellipticity distribution and the morphological mix, Vulcani et al. 2011, MNRAS, 413, 921.

The Dirt on Dry Mergers, Desai et al. 2011, ApJ, 730, 130.

The Morphological Content of Ten EDisCS Clusters at $0.5 < z < 0.8$, Desai et al. 2007, ApJ, 660, 1151.

The Cluster Galaxy Circular Velocity Function, Desai et al. 2004, MNRAS 351, 265.