

EDUCATION

University of California, Davis Ph.D. in Physics, Advisor: Andrew Wetzel	2015–Current
Florida International University B.S. in Physics	2011–2015

SCHOLARSHIPS AND AWARDS

• McNair Graduate Fellow	2015–2016
• McNair Scholar	2014–2015

PUBLICATIONS

- [1] **J. Samuel**, “Satellite planes in the FIRE simulations”, *in prep*,
- [2] **J. Samuel**, A. Wetzel, E. Tollerud, S. Garrison-Kimmel, S. Loebman, K. El-Badry, P. F. Hopkins, M. Boylan-Kolchin, C.-A. Faucher-Giguère, J. S. Bullock, S. Benincasa, and J. Bailin, “A profile in FIRE: resolving the radial distributions of satellite galaxies in the Local Group with simulations”, *MNRAS*, vol. 491, no. 1, pp. 1471–1490, Jan. 2020.
- [3] S. Garrison-Kimmel, A. Wetzel, P. F. Hopkins, R. Sanderson, K. El-Badry, A. Graus, T. K. Chan, R. Feldmann, M. Boylan-Kolchin, C. C. Hayward, J. S. Bullock, A. Fitts, **J. Samuel**, C. Wheeler, D. Kereš, and C.-A. Faucher-Giguère, “Star formation histories of dwarf galaxies in the FIRE simulations: dependence on mass and Local Group environment”, *MNRAS*, vol. 489, no. 4, pp. 4574–4588, Nov. 2019.

TALKS

<i>Spatial and kinematic coherence of MW/M31 satellites in the FIRE simulations</i> UC Davis Astrophysics Symposium & Bay Area Local Group Meeting	2019
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POSTERS

<i>The Distribution of Satellite Galaxies around MW/M31-mass Hosts in the FIRE Simulations</i> STSci Symposium - The Local Group: Assembly & Evolution	2020
<i>The spatial distribution of satellite galaxies around MW/M31-mass hosts in the FIRE simulations</i> Santa Cruz Galaxy Workshop	2019

OBSERVING

- 2 nights, Lick Observatory/KAST 2020
Completing the census of M106 satellite galaxies
PI: Jenna Samuel
- 48 orbits, Hubble Space Telescope General Observer Program (Cycle 28) 2020
Andromeda & the Seven Dwarfs: M31 Mass, Satellite Orbits, & the Nature of the Satellite Plane
PI: Tony Sohn

TEACHING

- **Instructor** at University of California, Davis Spring 2020
Intro Physics (PHY1B) Developed remote learning online curriculum and lecture videos for large lecture course.
- **Teaching Assistant** at University of California, Davis 2016–2019
Astronomy, physics, and math methods courses and labs.
- **Learning Assistant** at Florida International University 2012–2015
Facilitated experiments and programming in Python for intro and modern physics labs.

SERVICE AND OUTREACH

- Leader at Diversity and Inclusion in Physics 2017–Current
Attend and facilitate weekly meetings on equity issues in the department. Created peer-mentoring workshop series.
- Local Organizing Committee at CUWiP 2019 Fall 2018
Planned lodging, laboratory tours, transportation, and recruitment of 150 attendees for the Conference for Undergraduate Women in Physics held at UC Davis.