

## M. Katy Rodriguez Wimberly

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NSF MPS Ascend Postdoctoral Fellow • University of California, Riverside  
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**EDUCATION**      *Ph.D. Candidate Physics & Astronomy*      December 2021  
University of California, Irvine (UCI)  
Thesis Advisor: Prof. Michael Cooper  
*B.S. Physics*      May 2015  
California State University, Long Beach (CSULB)  
Minor: Math  
Overall GPA: 3.15 out of possible 4.00  
Major GPA: 3.20 out of possible 4.00

**PUBLIC-  
ATIONS**      *Sizing from the Smallest Scales: The Mass of the Milky Way*  
Rodriguez Wimberly, M.K., et al. 2021, submitted to MNRAS,  
(arXiv: 2109.00633)  
*Characterizing the Infall Times and Quenching Timescales*  
*of the Milky Way Satellites with Gaia Proper Motions*  
Fillingham, S.P. et al. 2019, MNRAS, under review (arXiv: 1906.04180)  
*Suppressing Star Formation on the Smallest Scales:*  
*What Role Does Environment Play?*  
Rodriguez Wimberly, M.K., et al. 2019, MNRAS, 483, 4031  
*SETI Observations of Exoplanets with the Allen Telescope Array*  
Harp, G.R., et al. 2016, AJ, 152.6 (2016b): 181

**HONORS,  
AWARDS,  
PRIZES**      NSF MPS Ascend Postdoctoral Fellow      2021 - Current  
Eugene Cota-Robles Fellow      2016 - 2021  
AAS National Osterbrock Fellow      2020 - 2021  
NSF Graduate Research Fellow      2016 - 2021  
UCI Graduate Division Tom Angell Mentor Fellowship      2019  
CSU-UC Cal-Bridge Scholar      2014 - 2017  
LSAMP PROUD Scholar Award      2015  
Louis Stokes' Alliance for Minority Participation Academic Year Fellow      2013 - 2014

**OBSERVING  
EXPERIENCE**      Keck Observatory  
DEIMOS: 15 nights  
UCO/Lick Observatory Robert P. Kraft Observational Astronomy Workshop  
October 2015, Lick Observatory, Mt. Hamilton, CA

**TEACHING  
EXPERIENCE**      ASTR100L: Intro to Astronomy Lab  
(Stand Alone) Course Instructor, CSULB Fall 2015 & Spring 2016

**TECHNICAL  
SKILLS**      Python      IRAF      MySQL      LaTeX      Aladin      DS9  
Unix      Certified LabVIEW Associate Developer      Fortran95  
Gwyddion      Mathematica      Atomic & Magnetic Force Microscopy

<b>SOCIETY</b>	<i>Astronomical Society of the Pacific</i>	Began 2017
<b>MEMBERSHIPS</b>	<i>American Astronomical Society</i>	Began 2015
<b>INVITED TALKS</b>	<i>Ultra Faint Dwarf Galaxies: Quenching, Predictions &amp; Evolutionary History Cosmology and Astronomy Seminar at UC Davis</i>	October 2021
	<i>Ultra Faint Dwarf Galaxies: Quenching, Predictions &amp; Evolutionary History CCAPP Little Galaxies Meeting at The Ohio State University</i>	October 2021
	<i>Ultra Faint Dwarf Galaxies: Quenching, Predictions &amp; Evolutionary History Lunchtime Seminar at Carnegie Observatories</i>	September 2021
	<i>Ultra Faint Dwarf Galaxies: Smallest Scales Quenching &amp; Predictions Lunchtime Seminar at Carnegie Observatories</i>	February 2020
	<i>Astronomical Society of the Pacific 130th Annual Meeting Plenary Speaker on Imposter Syndrome Plenary Session - Barriers to Equity, Inclusion, and Diversity in Astronomy</i>	September 2018
<b>HIGHLIGHTED SERVICE ACTIVITIES</b>	<i>Astronomical Society of the Pacific Board of Directors Member Diversity Committee Co-Chair Cal-Bridge Mentorship Committee Co-Chair Cal-Bridge Director of Peer Mentoring Program Creator &amp; Organizer of Peer Mentoring Program for Cal-Bridge Scholars APS-IDEA Network: UCI Team Member Network creating equitable, inclusive and diverse communities UCI Physics &amp; Astronomy Community Excellence Co-Creator of Peer Mentoring Programs for 1st Year Physics Graduate Students Group Sessions &amp; 1-on-1 Mentoring with Trained Peer Mentors Our Website: <a href="https://uci-pace.github.io">uci-pace.github.io</a></i>	Began 2019  Began 2020 Began 2019  2020-2021  2018-2021
<b>REFERENCES</b>	Dr. Laura Sales lsales@ucrv.edu - 951.827.7037 Dr. Michael Cooper cooper@uci.edu - 949.824.6485 Dr. Alex Ji alexji@uchicago.edu - 773.702.8203 Dr. Alex Rudolph alrudolph@cpp.edu - 909.717.1851	Professor - UC Riverside  Professor - UC Irvine  Professor - University of Chicago  Professor - Cal Poly Pomona