

# 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. 2022, MNRAS, 513, 4968  
*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

**HIGHLIGHTED  
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>CURRENT SOCIETY MEMBERSHIPS</b>	<i>Astronomical Society of the Pacific</i>	Began 2017
	<i>American Astronomical Society</i>	Began 2015

<b>INVITED TALKS</b>	<i>Astronomy Colloquium at UMichigan</i>	<i>planned</i> September 2022
	<i>Conversations on Inclusion &amp; Equity at UMichigan</i>	<i>planned</i> September 2022
	<i>MIT Brown Bag Lunch</i>	May 2022
	<i>Pomona College Physics &amp; Astronomy Colloquium</i>	April 2022
	<i>Cosmology and Astronomy Seminar at UC Davis</i>	October 2021
	<i>CCAPP Little Galaxies Meeting at The Ohio State University</i>	October 2021
	<i>Lunchtime Seminar at Carnegie Observatories</i>	September 2021
	<i>Lunchtime Seminar at Carnegie Observatories</i>	February 2020
	<i>Astronomical Society of the Pacific 130th Annual Meeting</i>	September 2018
<i>Plenary Speaker: Barriers to Equity, Inclusion, and Diversity in Astronomy</i>		
<i>Presented on Imposter Syndrome</i>		

<b>HIGHLIGHTED SERVICE ACTIVITIES</b>	<i>Cal-Bridge Mentorship Committee Co-Chair</i>	Began 2020
	<i>Astronomical Society of the Pacific Board of Directors Member</i>	Began 2019
	<i>Diversity Committee Co-Chair</i>	
	<i>Cal-Bridge Director of Peer Mentoring Program</i>	Began 2019
	<i>Creator &amp; Organizer of Peer Mentoring Program for Cal-Bridge Scholars</i>	
	<i>APS-IDEA Network: UCI Team Member</i>	2020-2021
	<i>Network creating equitable, inclusive and diverse communities</i>	
	<i>UCI Physics &amp; Astronomy Community Excellence</i>	2018-2021
	<i>Co-Creator of Peer Mentoring Programs for 1st Year Physics Graduate Students</i>	
<i>Group Sessions &amp; 1-on-1 Mentoring with Trained Peer Mentors</i>		
<i>Our Website: <a href="http://uci-pace.github.io">uci-pace.github.io</a></i>		

<b>REFERENCES</b>	Dr. Laura Sales	Professor - UC Riverside
	lsales@ucr.edu - 951.827.7037	
	Dr. Michael Cooper	Professor - UC Irvine
	cooper@uci.edu - 949.824.6485	
Dr. Alex Ji	Professor - University of Chicago	
alexji@uchicago.edu - 773.702.8203		
Dr. Alex Rudolph	Professor - Cal Poly Pomona	
alrudolph@cpp.edu - 909.717.1851		