

# M. Katy Rodriguez Wimberly

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[mkrodriguezwimberly.github.io](https://github.com/mkrodriguezwimberly)

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Twitter: [@astronomouse\\_](https://twitter.com/astronomouse_)

**EDUCATION**      *Ph.D. Candidate Physics & Astronomy*      *projected* December 2022  
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

**SELECT  
HONORS, &  
AWARDS**      Eugene Cota-Robles Fellow      2016 - Current  
AAS National Osterbrock Fellow      2020 - Current  
National Science Foundation Graduate Research Fellow      2016 - 2021  
UCI Graduate Division Tom Angell Mentor Fellowship      2019  
CSU-UC Cal-Bridge Scholar      2014 - 2017  
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

**SELECT  
TECHNICAL  
SKILLS**      Python      IRAF      Aladin      Spectroscopy Made Hard  
Unix      DS9      MySQL      Fortran95

<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</i> Lunchtime Seminar at Carnegie Observatories	September 2021
	<i>Ultra Faint Dwarf Galaxies: Smallest Scales Quenching &amp; Predictions</i> Lunchtime Seminar at Carnegie Observatories	February 2020
	<i>Astronomical Society of the Pacific 130th Annual Meeting</i> <i>Plenary Speaker</i> on Imposter Syndrome Plenary Session - Barriers to Equity, Inclusion, and Diversity in Astronomy	September 2018
<b>HIGHLIGHTED SERVICE ACTIVITIES</b>	<i>Astronomical Society of the Pacific Board of Directors Member</i> Diversity Committee Co-Chair	Began 2019
	<i>Cal-Bridge Mentorship Committee Co-Chair</i>	Began 2020
	<i>APS-IDEA Network: UCI Team Member</i> Network creating equitable, inclusive and diverse communities	Began 2020
	<i>Cal-Bridge Director of Peer Mentoring Program</i> Creator & Organizer of Peer Mentoring Program for Cal-Bridge Scholars	Began 2019
	<i>UCI Physics &amp; Astronomy Community Excellence</i> Co-Creator of Peer Mentoring Programs for 1st Year Physics Graduate Students Group Sessions & 1-on-1 Mentoring with Trained Peer Mentors Our Website: <a href="https://uci-pace.github.io">uci-pace.github.io</a>	Began 2018
<b>REFERENCES</b>	Dr. Michael Cooper cooper@uci.edu - 949.824.6485	Professor - UC Irvine
	Dr. Manoj Kaplinghat mkapling@uci.edu - 949.824.8541	Professor - UC Irvine
	Dr. Alex Rudolph alrudolph@cpp.edu - 909.717.1851	Professor - Cal Poly Pomona