

M. Katy Rodriguez Wimberly

NSF MPS Ascend Postdoctoral Fellow • University of California, Riverside
[mkrodriguezwimberly.github.io](https://github.com/mkrodriguezwimberly) • katy.r.wimberly@gmail.com
ORCID: [0000-0003-1848-5571](https://orcid.org/0000-0003-1848-5571) • Twitter: [@astromouse](https://twitter.com/astromouse)

EDUCATION	<i>Ph.D. Candidate Physics & Astronomy</i>	December 2021
	University of California, Irvine (UCI)	
	Thesis Advisor: Prof. Michael Cooper	
	<i>M.S. Physics</i>	June 2019
	University of California, Irvine (UCI)	
	GPA: 3.34 out of possible 4.00	
	<i>M.S. Physics</i>	May 2016
	<i>Transferred to PhD Program</i>	
	California State University, Long Beach (CSULB)	
	GPA: 4.00 out of possible 4.00	
PUBLIC- ATIONS	<i>B.S. Physics</i>	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	
	<i>A.A.</i>	June 2009
	Mount San Antonio College, Walnut, CA	
	Majors: Fine Arts, Natural Sciences & Math, Social & Behavioral Sciences	
	GPA: 3.32 out of possible 4.00	
	<i>Sizing from the Smallest Scales: The Mass of the Milky Way</i>	
	Rodriguez Wimberly, M.K. , et al. 2021, submitted to MNRAS, (arXiv: 2109.00633)	
	<i>Characterizing the Infall Times and Quenching Timescales of the Milky Way Satellites with Gaia Proper Motions</i>	
	Fillingham, S.P. et al. 2019, MNRAS, under review (arXiv: 1906..04180)	
	<i>Suppressing Star Formation on the Smallest Scales: What Role Does Environment Play?</i>	
	Rodriguez Wimberly, M.K. , et al. 2019, MNRAS, 483, 4031	
	<i>SETI Observations of Exoplanets with the Allen Telescope Array</i>	
	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 Latino Excellence & Achievement Award	2020
	UCI Physics & Astronomy Department Award for Outstanding Contributions	2019
	UCI Graduate Division Tom Angell Mentor Fellowship	2019
	Doctoral Diversity Initiative Fellow	2016
	Diversity Recruitment Fellowship	2016
	Nevin Graduate Endowment Fellowship	2016
CSU-UC Cal-Bridge Scholar	2014 - 2017	
LSAMP PROUD Scholar Award	2015	

	CSULB Physical Sciences and Mathematics Scholar	2014
	CSULB Physics Department Scholarship	2014
	Louis Stokes' Alliance for Minority Participation Academic Year Fellow	2013 - 2014
	CSULB Physics Department Scholarship	2013
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	
SOCIETY MEMBERSHIPS	<i>Astronomical Society of the Pacific</i> <i>American Astronomical Society</i> <i>American Physical Society</i> <i>Society of Physics Students (SPS) - CSULB</i>	Began 2017 Began 2015 2012 - 2015 2011 - 2015
INVITED TALKS	<i>Ultra Faint Dwarf Galaxies: Quenching, Predictions & Evolutionary History</i> Cosmology and Astronomy Seminar at UC Davis <i>Ultra Faint Dwarf Galaxies: Quenching, Predictions & Evolutionary History</i> CCAPP Little Galaxies Meeting at The Ohio State University <i>Ultra Faint Dwarf Galaxies: Quenching, Predictions & Evolutionary History</i> Lunchtime Seminar at Carnegie Observatories <i>Ultra Faint Dwarf Galaxies: Smallest Scales Quenching & Predictions</i> Lunchtime Seminar at Carnegie Observatories <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	October 2021 October 2021 September 2021 February 2020 September 2018
RECENT CONTRIBUTED PRESENT- ATIONS	<i>Studying the Smallest Satellites: Star Formation Quenching & The Milky Way's Halo Mass</i> Talk Given at Galaxy Formation & Evolution in the Era of the Roman Space Telescope <i>Studying the Small Scales: Star Formation Quenching & The Milky Way's Halo Mass</i> Poster Presentation at the Space Telescope Science Institute's 2020 Spring Symposium - The Local Group: Assembly & Evolution <i>Ultra Faint Dwarf Galaxies: Smallest Scales Quenching & Predictions</i>	October 2020 September 2020 September 2020

Science by Diverse Scientists: A Cal-Bridge Physics & Astronomy Seminar

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

REFERENCES	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		

WORK EXPERIENCE	<i>UCI Competitive Edge Program</i>	2017 & 2018
	Graduate Student Peer Mentor	
	<i>UCI Competitive Edge Program</i>	2016
	Graduate Student Researcher	
	<i>CSLUB Physics Dept.</i>	2015-2016
	Teaching Assistant - Astronomy Lab Instructor	
	<i>UCI Summer Internship Program</i>	2015
	Cal-Bridge Student Researcher	
	<i>US Army Reserves</i>	2003-2015
	Staff Sergeant, Saxophonist, Human Resources Manager	
	<i>CSLUB Physics Dept.</i>	2013-2015
	Learning Assistant	
	<i>SETI Institute REU</i>	2014
	CAMPARE Student Researcher	
	<i>LSAMP Academic Year Fellowship</i>	2013-2014
	Student Researcher	
	<i>University of Texas, Brownsville Physics REU</i>	2012
	Student Researcher	
	<i>CSULB Physics Dept.</i>	2012
	Winter Research Student Researcher	
<i>Dept. of Defense Army Civilian</i>	2009-2012	
300th Army Band Unit Administrator		
<i>Anbeten Productions</i>	2006-2009	
Design Assistant/Consultant		
<i>Disneyland Attractions Dept.</i>	2007-2009	
Innoventions Supervisor, Project Lead & Performer		
<i>Mt. San Antonio College Theatre Dept.</i>	2006	
Asst. Costumer		

	<i>Disneyland Entertainment Dept.</i>	2003-2006
	Costumer & Atmosphere Character	
DIVERSITY OUTREACH COMMUNITY	<i>DreamWakers Speaker</i>	Began 2017
	Virtual chats with grade school science classrooms.	
	<i>UCI Competitive Edge Workshop Leader</i>	2020
	Created and Lead Workshop on Impostor Phenomena	
	<i>APS Conference for Undergraduate Women in Physics at UCI Local Organizing Committee</i>	2020
	Assisted in proposal, promotion, recruitment, and programming	
	Co-Leader of ASCEND@UCI Mini Conference	
	Our Website: https://sites.uci.edu/cuwip2020/ascend-at-uci/	
	<i>Astronomical Society of the Pacific Junior Board Fellow</i>	2017-2019
	First ever Junior Board Fellow on the ASP Board of Directors	
	Serving on the Diversity Committee	
	<i>Bruin Brains Research Conference - Keynote Speaker</i>	2019
	TRIO Programming at Salt Lake Community College, UT	
	<i>Expand Your Horizons Event - Keynote Speaker</i>	2019
	Annual Workshop for 6-10th Grade Girls Interested in STEM	
	Salt Lake Community College, UT	
	<i>UCI Physics & Astronomy Inclusive Excellence Committee</i>	2017-2019
	Department Committee to Improve Climate and Diversity	
	A Graduate Student Representative	
	<i>UCI Physics & Astronomy Physics Graduate Caucus</i>	2017-2019
	Department Organization to Improve Graduates' Experience	
	Mentorship Chair - Creating and Reviving Peer Mentor Programs	
	<i>UCI Physics & Astronomy Admission Task Force</i>	2018-2019
	Department Committee to Improve Diversity in Admissions	
	A Graduate Student Representative	
	<i>UCI Astronomy Outreach</i>	2016-2019
	Telescope Volunteer for Elementary-level Classroom Night Sky Viewing Parties	
	<i>Astronomy Outreach for Underrepresented Youth</i>	2016-2019
	K-12 Classroom Visits for underrepresented groups ranging from ethnic minorities to Autistic and Downs Syndrome students.	
	<i>Letters to a Pre-Scientist Scientist Pen Pal</i>	2015-2019
	Pen Pal during each Academic Year with a grade school student interested in space science.	
	<i>UCI DECADE Learning Community - Invited Workshop Leader</i>	2018
	Created and Lead Workshop on Facing Impostor Phenomena	
	<i>Reclaiming STEM Science Communication Workshop - Invited Speaker</i>	2018
	A Science Communication Workshop by Diverse Scientists For Diverse Scientists	
	Presented "Building Your Social Media Brand"	
	<i>UCI Physics & Astronomy Stride! Mentoring</i>	2018
	Lead a Grad-Undergrad Mentoring Summer Program	
	Mentoring & Activities Focused on Graduate Applications & Transition	
	<i>UCSC Osterbrock Sierra Conference Planning Committee, Co-I</i>	2017
	Lead Professional Development Planning & Execution	
	<i>SPS CSULB Chapter Secretary</i>	2013-2015
	Assist in outreach program & event planning & execution	
	Assist in chapter and physics department event planning and execution	
	<i>CSULB Science Outreach</i>	2013 - 2014
	Volunteer for Mexican American Engineers & Scientists CSULB Chapter's 2013 & 2014 Science Extravaganzas as both small group & workshop leader	

PAST CONTRIBUTED PRESENT- ATIONS	<i>Ultrafaint Dwarf Galaxies: The Suppression of Their Star Formation & Their Orbits</i>	August 2019
	Talk given at GalFRESCA UCI	
	<i>Suppressing Star Formation on the Smallest Scales: What Role Does Environment Play?</i>	September 2018
	Poster Presentation given at Keck Science Meeting 2018	
	<i>Suppressing Star Formation on the Smallest Scales: What Role Does Environment Play?</i>	August 2018
	Talk given at UCSC Galaxy Workshop 2018, Santa Cruz	
	Recording of the presentation can be found here!	
	A PDF of the presentation slides can be found here.	
	<i>Suppressing Star Formation on the Smallest Scales: What Role Does Environment Play?</i>	August 2017
	Talk given at GalFRESCA 2017, CalTech	
	<i>Constraining Quenching Timescales at $z > 1.5$</i>	August 2016
	Poster Presentation at UCI Summer Research Symposium	
	<i>Constraining Quenching Timescales at $z > 1.5$</i>	January 2016
	Poster Presentation at AAS 2016 Meeting	
	<i>Constraining Quenching Timescales at $z > 1.5$</i>	October 2015
	Talk given at APS Far West Meeting 2015	
	<i>Quenching Time: A study on galaxy evolution & formation.</i>	September 2015
	Talk given at Cal Poly Pomona's 2015 CAMPARE Research Symposium	
	<i>Quenching Time: A study on galaxy evolution & formation.</i>	September 2015
	Talk given at UC Irvines's 2015 Summer Research Symposium	
	<i>Analysis of SETI's Radio Signal Observations & Classification Tests</i>	June 2015
Talk given at the national Astrobiology Science Conference, Chicago, IL		
<i>Surface Morphology of Ferromagnetic Nanostructures</i>	October 2014	
Poster presentation given at CSULB's Student Research Symposium		
<i>Analysis of SETI's Radio Signal Observations & Classification Tests</i>	September 2014	
Talk given at Cal Poly Pomona's 2014 CAMPARE Research Symposium		
<i>Analysis of SETI's Radio Signal Observations and Classification Tests</i>	August 2014	
Talk given to the SETI Institute, Mountain View, CA for SETI/NSF REU		
<i>Lightening Talk</i> version found here at 22:00 minutes		
<i>Volume Meter</i>	October 2013	
Poster presentation given at CSULB's Student Research Symposium		
<i>The Variability of Vega</i>	January 2013	
Poster presentation for the 2013 Conference for Undergraduate Women in Physics		
<i>The Variability of Vega</i>	August 2012	
Poster presentation & talk at the University of Texas, Brownsville		