

M. Katy Rodriguez Wimberly

NSF MPS Ascend Postdoctoral Fellow • University of California, Riverside
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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	
HONORS, AWARDS, PRIZES	<i>Sizing from the Smallest Scales: The Mass of the Milky Way</i>	
	Rodriguez Wimberly, M.K., et al. 2022, MNRAS, 513, 4968	
	<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
HONORS, AWARDS, PRIZES	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>Astronomy Colloquium at UMichigan</i> <i>Conversations on Inclusion & Equity at UMichigan</i> <i>MIT Brown Bag Lunch</i> <i>Pomona College Physics & Astronomy Colloquium</i> <i>Cosmology and Astronomy Seminar at UC Davis</i> <i>CCAPP Little Galaxies Meeting at The Ohio State University</i> <i>Lunchtime Seminar at Carnegie Observatories</i> <i>Lunchtime Seminar at Carnegie Observatories</i> <i>Pomona College Physics & Astronomy Colloquium</i> <i>Astronomical Society of the Pacific 130th Annual Meeting</i> <i>Plenary Speaker: Barriers to Equity, Inclusion, and Diversity in Astronomy</i> <i>Presented on Imposter Syndrome</i>	<i>planned</i> September 2022 <i>planned</i> September 2022 May 2022 April 2022 October 2021 October 2021 September 2021 February 2020 September 2018 September 2018
RECENT CONTRIBUTED PRESENT- ATIONS	<i>GalFESCA Conference, Oral Presentation</i> <i>Keck Science Meeting, Oral Presentation</i> <i>240th Meeting of the American Astronomical Society</i> <i>Dissertation Contributed Oral Presentation</i> <i>Science by Diverse Scientists:</i> <i>A Cal-Bridge Physics & Astronomy Seminar, Oral Presentation</i> <i>Galaxy Formation & Evolution</i> <i>in the Era of the Roman Space Telescope, Oral Presentation</i> <i>Space Telescope Science Institute's 2020 Spring Symposium</i> <i>The Local Group: Assembly & Evolution, Poster Presentation</i>	<i>planned</i> September 2022 <i>planned</i> September 2022 June 2022 April 2022 October 2020 September 2020
HIGHLIGHTED SERVICE ACTIVITIES	<i>Cal-Bridge Mentorship Committee Co-Chair</i> <i>Astronomical Society of the Pacific Board of Directors Member</i> <i>Diversity Committee Co-Chair</i>	Began 2020 Began 2019

<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</i>	2020
<i>Local Organizing Committee</i>	
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:</i>	
<i>The Suppression of Their Star Formation & Their Orbits</i>	
Science by Diverse Scientists:	September 2020
A Cal-Bridge Physics & Astronomy Seminar, Oral Presentation	
GalFRESCA, UCI, Oral Presentation	August 2019
Keck Science Meeting, Poster Presentation	September 2018
UCSC Galaxy Workshop, Oral Presentation	August 2018
Recording of the presentation can be found here!	
A PDF of the presentation slides can be found here.	
GalFRESCA, CalTech, Oral Presentation	August 2017
<i>Constraining Quenching Timescales at $z > 1.5$</i>	
UCI Summer Research Symposium, Poster Presentation	August 2016
227 th AAS Meeting, Poster Presentation	January 2016
APS Far West Meeting, Oral Presentation	October 2015
CAMPARE Research Symposium, Oral Presentation	September 2015
UCI Summer Research Symposium, Oral Presentation	September 2015
<i>Surface Morphology of Ferromagnetic Nanostructures</i>	
CSULB Student Research Symposium, Poster Presentation	October 2014
<i>Analysis of SETI's Radio Signal Observations & Classification Tests</i>	
Astrobiology Science Conference, Oral Presentation	June 2015
CAMPARE Research Symposium, Oral Presentation	September 2014
SETI Institute REU Symposium, Oral Presentation	August 2014
<i>Lightening Talk</i> version found here at 22:00 minutes	
<i>Volume Meter</i>	
CSULB Student Research Symposium, Poster Presentation	October 2013
<i>The Variability of Vega</i>	
Conference for Undergraduate Women in Physics	January 2013
Poster Presentation	
University of Texas, Brownsville REU Symposium	January 2013
Oral Presentation	