

M. Katy Rodriguez Wimberly

NSF MPS Ascend Postdoctoral Fellow • University of California, Riverside
[mkrodriguezvimberly.github.io](https://github.com/mkrodriguezvimberly) • mwimb002@ucr.edu
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. 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
	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>Astronomical Society of the Pacific 130th Annual Meeting</i> <i>Plenary Speaker: Barriers to Equity, Inclusion, and Diversity in Astronomy</i> Presented on Imposter Syndrome	<i>planned</i> September 2022 <i>planned</i> September 2022 May 2022 April 2022 October 2021 October 2021 September 2021 February 2020 September 2018
RECENT CONTRIBUTED PRESENTATIONS	<i>Keck Science Meeting, Oral Presentation</i> <i>GalFESCA Conference, Oral Presentation</i> <i>240th Meeting of the American Astronomical Society</i> Dissertation Contributed Oral Presentation <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 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> Diversity Committee Co-Chair <i>Cal-Bridge Director of Peer Mentoring Program</i>	Began 2020 Began 2019 Began 2019

Creator & Organizer of Peer Mentoring Program for Cal-Bridge Scholars
APS-IDEA Network: UCI Team Member 2020-2021
 Network creating equitable, inclusive and diverse communities
UCI Physics & Astronomy Community Excellence 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 *UCI Competitive Edge Program* 2017 & 2018
 Graduate Student Peer Mentor
UCI Competitive Edge Program 2016
 Graduate Student Researcher
CSLUB Physics Dept. 2015-2016
 Teaching Assistant - Astronomy Lab Instructor
UCI Summer Internship Program 2015
 Cal-Bridge Student Researcher
US Army Reserves 2003-2015
 Staff Sergeant, Saxophonist, Human Resources Manager
CSLUB Physics Dept. 2013-2015
 Learning Assistant
SETI Institute REU 2014
 CAMPARE Student Researcher
LSAMP Academic Year Fellowship 2013-2014
 Student Researcher
University of Texas, Brownsville Physics REU 2012
 Student Researcher
CSULB Physics Dept. 2012
 Winter Research Student Researcher
Dept. of Defense Army Civilian 2009-2012
 300th Army Band Unit Administrator
Anbeten Productions 2006-2009
 Design Assistant/Consultant
Disneyland Attractions Dept. 2007-2009
 Innoventions Supervisor, Project Lead & Performer
Mt. San Antonio College Theatre Dept. 2006
 Asst. Costumer
Disneyland Entertainment Dept. 2003-2006
 Costumer & Atmosphere Character

DIVERSITY OUTREACH COMMUNITY *DreamWakers Speaker* Began 2017
 Virtual chats with grade school science classrooms.
UCI Competitive Edge Workshop Leader 2020

Created and Lead Workshop on Impostor Phenomena
APS Conference for Undergraduate Women in Physics at UCI 2020
Local Organizing Committee
 Assisted in proposal, promotion, recruitment, and programming
 Co-Leader of ASCEND@UCI Mini Conference
 Our Website: <https://sites.uci.edu/cuwip2020/ascend-at-uci/>

Astronomical Society of the Pacific Junior Board Fellow 2017-2019
 First ever Junior Board Fellow on the ASP Board of Directors
 Serving on the Diversity Committee

Bruin Brains Research Conference - Keynote Speaker 2019
 TRIO Programming at Salt Lake Community College, UT

Expand Your Horizons Event - Keynote Speaker 2019
 Annual Workshop for 6-10th Grade Girls Interested in STEM
 Salt Lake Community College, UT

UCI Physics & Astronomy Inclusive Excellence Committee 2017-2019
 Department Committee to Improve Climate and Diversity
 A Graduate Student Representative

UCI Physics & Astronomy Physics Graduate Caucus 2017-2019
 Department Organization to Improve Graduates' Experience
 Mentorship Chair - Creating and Reviving Peer Mentor Programs

UCI Physics & Astronomy Admission Task Force 2018-2019
 Department Committee to Improve Diversity in Admissions
 A Graduate Student Representative

UCI Astronomy Outreach 2016-2019
 Telescope Volunteer for Elementary-level Classroom Night Sky Viewing Parties

Astronomy Outreach for Underrepresented Youth 2016-2019
 K-12 Classroom Visits for underrepresented groups ranging from
 ethnic minorities to Autistic and Downs Syndrome students.

Letters to a Pre-Scientist Scientist Pen Pal 2015-2019
 Pen Pal during each Academic Year with a grade school student
 interested in space science.

UCI DECADE Learning Community - Invited Workshop Leader 2018
 Created and Lead Workshop on Facing Impostor Phenomena

Reclaiming STEM Science Communication Workshop - Invited Speaker 2018
 A Science Communication Workshop by Diverse Scientists For Diverse Scientists
 Presented "Building Your Social Media Brand"

UCI Physics & Astronomy Stride! Mentoring 2018
 Lead a Grad-Undergrad Mentoring Summer Program
 Mentoring & Activities Focused on Graduate Applications & Transition

UCSC Osterbrock Sierra Conference Planning Committee, Co-I 2017
 Lead Professional Development Planning & Execution

SPS CSULB Chapter Secretary 2013-2015
 Assist in outreach program & event planning & execution
 Assist in chapter and physics department event planning and execution

CSULB Science Outreach 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	