

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, accepted for publication in 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
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>Ultra Faint Dwarf Galaxies: Quenching, Predictions & Evolutionary History</i> Pomona College Physics & Astronomy Colloquium <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	April 2022 October 2021 October 2021 September 2021 February 2020 September 2018
RECENT CONTRIBUTED PRESENT- ATIONS	<i>Studying the Smallest Satellites:</i> <i>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:</i> <i>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	October 2020 September 2020

Ultra Faint Dwarf Galaxies: September 2020
 Smallest Scales Quenching & Predictions
 Science by Diverse Scientists: A Cal-Bridge Physics & Astronomy Seminar

HIGHLIGHTED SERVICE ACTIVITIES *Astronomical Society of the Pacific Board of Directors Member* Began 2019
Diversity Committee Co-Chair
Cal-Bridge Mentorship Committee Co-Chair Began 2020
Cal-Bridge Director of Peer Mentoring Program 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

	<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 Comittee, 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>	August 2019
	<i>The Suppression of Their Star Formation & Their Orbits</i>	
	Talk given at GalFRESCA UCI	
	<i>Suppressing Star Formation on the Smallest Scales:</i>	September 2018
	<i>What Role Does Environment Play?</i>	
	Poster Presentation given at Keck Science Meeting 2018	
	<i>Suppressing Star Formation on the Smallest Scales:</i>	August 2018
	<i>What Role Does Environment Play?</i>	
	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:</i>	August 2017
	<i>What Role Does Environment Play?</i>	
	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 Irvin'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	