

M. Katy Rodriguez Wimberly

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EDUCATION	<i>Ph.D. Candidate Physics & Astronomy</i>	<i>projected</i> June 2022
	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>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	National Science Foundation Graduate Research Fellow	2016 - Current
	Eugene Cota-Robles Fellow	2016 - Current
	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 *Astronomical Society of the Pacific* Began 2017
American Astronomical Society 2015 - 2017
American Physical Society 2012 - 2015
Society of Physics Students (SPS) - CSULB 2011 - 2015

INVITED TALKS *Ultra Faint Dwarf Galaxies: Smallest Scales Quenching & Predictions* February 2020
 Lunchtime Seminar at Carnegie Observatories
Astronomical Society of the Pacific 130th Annual Meeting September 2018
Plenary Speaker on Imposter Syndrome
 Plenary Session - Barriers to Equity, Inclusion, and Diversity in Astronomy

RECENT CONTRIBUTED PRESENTATIONS *Studying the Smallest Satellites: Star Formation Quenching & The Milky Way's Halo Mass* October 2020
 Talk Given at Galaxy Formation & Evolution in the Era of the Roman Space Telescope
Studying the Small Scales: Star Formation Quenching & The Milky Way's Halo Mass September 2020
 Poster Presentation at the Space Telescope Science Institute's 2020 Spring Symposium - The Local Group: Assembly & Evolution
Ultra Faint Dwarf Galaxies: Smallest Scales Quenching & Predictions September 2020
 Science by Diverse Scientists: A Cal-Bridge Physics & Astronomy Seminar

HIGHLIGHTED SERVICE ACTIVITIES *Astronomical Society of the Pacific Board of Directors Member* Began 2019
 Serving on the Diversity & Audit Committees
APS-IDEA Network: UCI Team Member Began 2020
 Network creating equitable, inclusive and diverse communities
Cal-Bridge Director of Peer Mentoring Program Began 2019
 Creator & Organizer of Peer Mentoring Program for Cal-Bridge Scholars
UCI Physics & Astronomy Community Excellence Began 2018
 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. Michael Cooper	Professor - UC Irvine
	cooper@uci.edu - 949.824.6485	
	Dr. Manoj Kaplinghat	Professor - UC Irvine
	mkapling@uci.edu - 949.824.8541	
	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>	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		

Constraining Quenching Timescales at $z > 1.5$ January 2016
 Poster Presentation at AAS 2016 Meeting
Constraining Quenching Timescales at $z > 1.5$ October 2015
 Talk given at APS Far West Meeting 2015
Quenching Time: A study on galaxy evolution & formation. September 2015
 Talk given at Cal Poly Pomona's 2015 CAMPARE Research Symposium
Quenching Time: A study on galaxy evolution & formation. September 2015
 Talk given at UC Irvines's 2015 Summer Research Symposium
Analysis of SETI's Radio Signal Observations & Classification Tests June 2015
 Talk given at the national Astrobiology Science Conference, Chicago, IL
Surface Morphology of Ferromagnetic Nanostructures October 2014
 Poster presentation given at CSULB's Student Research Symposium
Analysis of SETI's Radio Signal Observations & Classification Tests September 2014
 Talk given at Cal Poly Pomona's 2014 CAMPARE Research Symposium
Analysis of SETI's Radio Signal Observations and Classification Tests August 2014
 Talk given to the SETI Institute, Mountain View, CA for SETI/NSF REU
Lightening Talk version [found here](#) at 22:00 minutes
Volume Meter October 2013
 Poster presentation given at CSULB's Student Research Symposium
The Variability of Vega January 2013
 Poster presentation for the 2013 Conference for Undergraduate Women in Physics
The Variability of Vega August 2012
 Poster presentation & talk at the University of Texas, Brownsville