

## M. Katy Rodriguez Wimberly

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University of California Irvine  
wimberlm@uci.edu - 909.855.6030

### EDUCATION

*Ph.D. Physics & Astronomy*  
University of California, Irvine (UCI) September 2016 - projected June 2022

*M.S. Physics*  
*Degree Not Completed*  
California State University, Long Beach (CSULB) August 2015 - May 2016  
GPA: 4.00 out of possible 4.00

*B.S. Physics*  
California State University, Long Beach (CSULB) January 2011 - May 2015  
Minor: Math  
Overall GPA: 3.15 out of possible 4.00  
Major GPA: 3.20 out of possible 4.00

*A.A.*  
Mount San Antonio College, Walnut, CA January 2003 - June 2009  
Majors: Fine Arts, Natural Sciences & Math, Social & Behavioral Sciences  
GPA: 3.32 out of possible 4.00

### WORK EXPERIENCE

*UCI Competitive Edge Program*  
June 2017 - August 2017; Graduate Student Peer Mentor

*UCI Competitive Edge Program*  
June 2016 - August 2016; Graduate Student Researcher

*CSULB Physics Dept.*  
August 2015 - May 2016; Teaching Assistant - Astronomy Lab Instructor

*UCI Summer Internship Program*  
June 2015 - August 2015; Cal-Bridge Student Researcher

*US Army Reserves*  
June 2003 - August 2015; Staff Sergeant, Saxophonist, Human Resources Manager

*CSULB Physics Dept.*  
August 2013 - May 2015; Learning Assistant

*SETI Institute REU*  
June 2014 - August 2014; CAMPARE Student Researcher

*LSAMP Academic Year Fellowship*  
August 2013 - May 2014; Student Researcher

*University of Texas, Brownsville Physics REU*  
June 2012 - August 2012; Student Researcher

*CSULB Physics Dept.*  
January 2012 - May 2012; Winter Research Student Researcher

*Dept. of Defense Army Civilian*  
July 2009 - September 2012; 300th Army Band Unit Administrator

*Anbeten Productions*  
June 2006 - December 2010; Design Assistant/Consultant

*Disneyland Attractions Dept.*  
January 2007 - February 2009; Innoventions Supervisor, Project Lead & Performer

*Mt. San Antonio College Theatre Dept.*  
January 2006 - May 2006; Asst. Costumer

Disneyland Entertainment Dept.

December 2003 - January 2006; Costumer & Atmosphere Character

<b>TECHNICAL SKILLS</b>	Python	Certified LabVIEW Associate Developer	MySQL	Fortran95
	Unix	Aladin	DS9	IRAF
			Mathematica	
	Gwyddion	Atomic & Magnetic Force Microscopy	LaTeX	
<b>SOCIETY MEMBERSHIPS</b>	<i>Astronomical Society of the Pacific</i>			Began 2017
	<i>American Astronomical Society</i>			2015 - 2017
	<i>American Physical Society</i>			2012 - 2015
	<i>Society of Physics Students (SPS)</i>			2011 - 2015
	CSULB Chapter			
<b>COMMUNITY SERVICE</b>	Chapter Secretary for Academic Years 2013-2014 & 2014-2015			
	<i>UCI Physics &amp; Astronomy Inclusive Excellence Committee</i>			Began 2017
	Department Committee to Improve Climate and Diversity			
	A Graduate Student Representative			
	<i>Astronomical Society of the Pacific Junior Board Fellow</i>			Began 2017
	First ever Junior Board Fellow on the ASP Board of Directors			
	Serving on the Diversity Committee			
	<i>Astronomy Outreach for Underrepresented Youth</i>			Began 2016
	K-12 Classroom Visits for underrepresented groups ranging from ethnic minorities to Autistic and Downs Syndrome students.			
	<i>SPS CSULB Chapter Secretary</i>			August 2013 - May 2015
	Organize and disseminate meeting minutes			
	Assist in outreach program & event planning & execution			
	Assist in chapter and physics department event planning and execution			
<b>HONORS, AWARDS, PRIZES</b>	<i>CSULB Science Outreach</i>			2013 - 2014
	2013 & 2014 Science Extravaganzas as both small group & workshop leader			
	National Science Foundation Graduate Research Fellow			Awarded 2016
	Eugene Cota-Robles Fellow			Awarded 2016
	Doctoral Diversity Initiative Fellow			Awarded 2016
	Diversity Recruitment Fellowship			Awarded 2016
	Nevin Graduate Endowment Fellowship			Awarded 2016
	CSU-UC Cal-Bridge Scholar			2014 - 2017
	LSAMP PROUD Scholar Award			2015
	CSULB Physical Sciences and Mathematics Scholar			2014
<b>PUBLIC-ATIONS</b>	CSULB Physics Department Scholarship			2014
	Louis Stokes' Alliance for Minority Participation Academic Year Fellow			2013 - 2014
	CSULB Physics Department Scholarship			2013
<b>PRESENT-ATIONS</b>	G.R. Harp, et. al., ' <i>SETI Observations of Exoplanets with the Allen Telescope Array</i> '			
	The Astronomical Journal, Volume 152, Issue 6, article id. 181, 13 pp. Dec. 2016			
	<i>Suppressing Star Formation on the Smallest Scales: What Role Does Environment Play?</i>			
	M.K. Rodriguez Wimberly, Michael Cooper, Sean Fillingham			August 2017
	Talk given at GalFRESCA 2017, CalTech			

<i>Constraining Quenching Timescales at <math>z &gt; 1.5</math></i>	M.K. Rodriguez Wimberly, Michael Cooper	August 2016
	Poster Presentation at UCI Summer Research Symposium	
<i>Constraining Quenching Timescales at <math>z &gt; 1.5</math></i>	M.K. Rodriguez Wimberly, Michael Cooper	January 2016
	Poster Presentation at AAS 2016 Meeting	
<i>Constraining Quenching Timescales at <math>z &gt; 1.5</math></i>	M.K. Rodriguez Wimberly, Michael Cooper	October 2015
	Talk given at APS Far West Meeting 2015	
<i>Quenching Time: A study on galaxy evolution &amp; formation.</i>	M.K. Rodriguez Wimberly, Michael Cooper	September 2015
	Talk given at Cal Poly Pomona's 2015 CAMPARE Research Symposium	
<i>Quenching Time: A study on galaxy evolution &amp; formation.</i>	M.K. Rodriguez Wimberly, Michael Cooper	September 2015
	Talk given at UC Irvines's 2015 Summer Research Symposium	
<i>Analysis of SETI's Radio Signal Observations &amp; Classification Tests</i>	M.K. Rodriguez Wimberly, Dr. G. Harp	June 2015
	Talk given at the national Astrobiology Science Conference, Chicago, IL	
<i>Surface Morphology of Ferromagnetic Nanostructures</i>	M.K. Rodriguez, K. Ngo, X. Zou, Dr. J. Gu	October 2014
	Poster presentation given at CSULB's Student Research Symposium	
<i>Analysis of SETI's Radio Signal Observations &amp; Classification Tests</i>	M.K. Rodriguez, Dr. G. Harp	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>	M.K. Rodriguez, Dr. G. Harp	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: <a href="http://www.seti.org/weekly-lecture/seti-institutensf-reu-students-final-talks">http://www.seti.org/weekly-lecture/seti-institutensf-reu-students-final-talks</a>	
<i>Volume Meter</i>	M. Jaramillo, M.K. Rodriguez, W. R. Chavez, Dr. C. Kwon	October 2013
	Poster presentation given at CSULB's Student Research Symposium	
<i>The Variability of Vega</i>	M.K. Rodriguez, S. Fuentes, Dr. M. Diaz	January 2013
	Poster presentation for the 2013 Conference for Undergraduate Women in Physics	
<i>The Variability of Vega</i>	M.K. Rodriguez, S. Fuentes, Dr. M. Diaz	August 2012
	Poster presentation & talk at the University of Texas, Brownsville	

<b>REFERENCES</b>	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	