

M. Katy Rodriguez Wimberly

<https://mkrodriguezwimberly.github.io>

University of California Irvine

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EDUCATION	<i>Ph.D. Physics & Astronomy</i> University of California, Irvine (UCI) GPA: 3.38 out of possible 4.00	September 2016 - projected June 2022
	<i>M.S. Physics</i> <i>Transferred to PhD Program</i> California State University, Long Beach (CSULB) GPA: 4.00 out of possible 4.00	August 2015 - May 2016
	<i>B.S. Physics</i> 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	January 2011 - May 2015
	<i>A.A.</i> Mount San Antonio College, Walnut, CA Majors: Fine Arts, Natural Sciences & Math, Social & Behavioral Sciences GPA: 3.32 out of possible 4.00	January 2003 - June 2009
	M.K. Rodriguez Wimberly, et al. <i>Suppressing Star Formation on the Smallest Scales: What Role Does Environment Play?</i> Submitted to Monthly Notices of the Royal Astronomical Society 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	June 2018
PUBLIC- ATIONS		
HONORS, AWARDS, PRIZES	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
	CSULB Physics Department Scholarship	2014
	Louis Stokes' Alliance for Minority Participation Academic Year Fellow	2013 - 2014
	CSULB Physics Department Scholarship	2013
SOCIETY MEMBERSHIPS	<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 Chapter Secretary for Academic Years 2013-2014 & 2014-2015	

COMMUNITY SERVICE	<i>UCI Physics & Astronomy Stride! Mentoring</i>				Began 2018
	Lead a Grad-Undergrad Mentoring Summer Program				
	Mentoring & Activities Focused on Graduate Applications & Transition				
	<i>UCI Physics & Astronomy Admission Task Force</i>				Began 2018
	Department Committee to Improve Diversity in Admissions				
	A Graduate Student Representative				
	<i>UCSC Osterbrock Sierra Conference Planning Committee, Co-I</i>				Began 2017
	Lead Professional Development Planning & Execution				
	<i>UCI Physics & 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>UCI Physics & Astronomy Physics Graduate Caucus</i>				Began 2017
	Department Organization to Improve Graduates' Experience				
	Mentorship Chair - Creating and Reviving Peer Mentor Programs				
	<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
	Assist in outreach program & event planning & execution				
	Assist in chapter and physics department event planning and execution				
	<i>CSULB Science Outreach</i>				2013 - 2014
	2013 & 2014 Science Extravaganzas as both small group & workshop leader				

TECHNICAL SKILLS	Python	Certified LabVIEW Associate Developer	MySQL	Fortran95
	Unix	Aladin DS9 IRAF Mathematica		
	Gwyddion	Atomic & Magnetic Force Microscopy	LaTeX	

WORK EXPERIENCE	<i>UCI Competitive Edge Program</i>				
	June 2017 - August 2017 & June 2018 - August 2018;				
	Graduate Student Peer Mentor				
	<i>UCI Competitive Edge Program</i>				
	June 2016 - August 2016; Graduate Student Researcher				
	<i>CSLUB Physics Dept.</i>				
	August 2015 - May 2016; Teaching Assistant - Astronomy Lab Instructor				
	<i>UCI Summer Internship Program</i>				
	June 2015 - August 2015; Cal-Bridge Student Researcher				
	<i>US Army Reserves</i>				
	June 2003 - August 2015; Staff Sergeant, Saxophonist, Human Resources Manager				
	<i>CSLUB Physics Dept.</i>				
	August 2013 - May 2015; Learning Assistant				
	<i>SETI Institute REU</i>				
	June 2014 - August 2014; CAMPARE Student Researcher				
	<i>LSAMP Academic Year Fellowship</i>				
	August 2013 - May 2014; Student Researcher				
	<i>University of Texas, Brownsville Physics REU</i>				
	June 2012 - August 2012; Student Researcher				
	<i>CSULB Physics Dept.</i>				
	January 2012 - May 2012; Winter Research Student Researcher				
	<i>Dept. of Defense Army Civilian</i>				

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

PRESENT- ATIONS

*Suppressing Star Formation on the Smallest Scales:
 What Role Does Environment Play?*
 M.K. Rodriguez Wimberly, et al. August 2018
 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.](#)

*Suppressing Star Formation on the Smallest Scales:
 What Role Does Environment Play?*
 M.K. Rodriguez Wimberly, Michael Cooper, Sean Fillingham August 2017
 Talk given at GalFRESCA 2017, CalTech

Constraining Quenching Timescales at $z > 1.5$
 M.K. Rodriguez Wimberly, Michael Cooper August 2016
 Poster Presentation at UCI Summer Research Symposium

Constraining Quenching Timescales at $z > 1.5$
 M.K. Rodriguez Wimberly, Michael Cooper January 2016
 Poster Presentation at AAS 2016 Meeting

Constraining Quenching Timescales at $z > 1.5$
 M.K. Rodriguez Wimberly, Michael Cooper October 2015
 Talk given at APS Far West Meeting 2015

Quenching Time: A study on galaxy evolution & formation.
 M.K. Rodriguez Wimberly, Michael Cooper September 2015
 Talk given at Cal Poly Pomona's 2015 CAMPARE Research Symposium

Quenching Time: A study on galaxy evolution & formation.
 M.K. Rodriguez Wimberly, Michael Cooper September 2015
 Talk given at UC Irvines's 2015 Summer Research Symposium

Analysis of SETI's Radio Signal Observations & Classification Tests
 M.K. Rodriguez Wimberly, Dr. G. Harp June 2015
 Talk given at the national Astrobiology Science Conference, Chicago, IL

Surface Morphology of Ferromagnetic Nanostructures
 M.K. Rodriguez, K. Ngo, X. Zou, Dr. J. Gu October 2014
 Poster presentation given at CSULB's Student Research Symposium

Analysis of SETI's Radio Signal Observations & Classification Tests
 M.K. Rodriguez, Dr. G. Harp September 2014
 Talk given at Cal Poly Pomona's 2014 CAMPARE Research Symposium

Analysis of SETI's Radio Signal Observations and Classification Tests
 M.K. Rodriguez, Dr. G. Harp 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
 M. Jaramillo, M.K. Rodriguez, W. R. Chavez, Dr. C. Kwon October 2013
 Poster presentation given at CSULB's Student Research Symposium

The Variability of Vega
 M.K. Rodriguez, S. Fuentes, Dr. M. Diaz January 2013

Poster presentation for the 2013 Conference for Undergraduate Women in Physics
The Variability of Vega
M.K. Rodriguez, S. Fuentes, Dr. M. Diaz August 2012
Poster presentation & talk at the University of Texas, Brownsville

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	