

M. Katy Rodriguez Wimberly

University of California Irvine
wimberlm@uci.edu

EDUCATION

Ph.D. Physics & Astronomy
University of California, Irvine (UCI) September 2016 - projected June 2022
GPA: 3.38 out of possible 4.00

M.S. Physics
Transferred to PhD Program
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 & June 2018 - August 2018;
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

TECHNICAL SKILLS	Python Certified LabVIEW Associate Developer MySQL Fortran95 Unix Aladin DS9 IRAF Mathematica Gwyddion Atomic & Magnetic Force Microscopy LaTeX
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 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
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
PUBLICATIONS	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 June 2018 Available on arXiv: https://arxiv.org/abs/1806.07891

G.R. Harp, et al., ‘*SETI Observations of Exoplanets with the Allen Telescope Array*’
The Astronomical Journal, Volume 152, Issue 6, article id. 181, 13 pp. Dec. 2016

PRESENT- ATIONS

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:

<http://www.seti.org/weekly-lecture/seti-institutensf-reu-students-final-talks>

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	