

Francisco J. Mercado
fjmercado.github.io

University of California, Irvine
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EDUCATION	UC Irvine – Ph.D. Program	2017 - Projected 2023
	UC Irvine – M.S. Physics	Awarded 2019
	Cal Poly Pomona – B.S. Physics	Awarded 2017

PREPRINTS & PUBLICATIONS	A Relationship Between Stellar Metallicity Gradients and Galaxy Age in Dwarf Galaxies	
	F. J. Mercado , J. Bullock, M. Boylan-Kolchin, and FIRE Collaboration (2020); Submitted to MNRAS (arXiv:2009.01241)	

The time-scales probed by star formation rate indicators for realistic, bursty star formation histories from the FIRE simulations
J. Florez Velaázquez, A. Gurvich, C. Faucher-Giguère, J. Bullock, T. Starkenburg, J. Moreno, A. Lazar, **F. J. Mercado**, J. Stern, M. Sparre, C. Hayward, A. Wetzel, K. El-Badry (2020); Submitted to MNRAS (arXiv:2009.01241)

TALKS/ PRESENTATIONS	Northwestern Science Happy Hour	Spring 2021
	GALFRESCA Annual Workshop	Summer 2017 - 2019
	UCI SRP Research Symposium	Summer 2017
	Cal Poly Pomona SIAM Research Symposium	Spring 2017
	229th AAS Meeting Grapevine, Texas	Winter 2017
	Cal-Bridge/Campare Symposium, Cal Poly Pomona	Summer 2016
	UCI SRP Research Symposium	Summer 2016
	GALFRESCA Inaugural Workshop	Summer 2016
	Cal Poly Pomona SIAM Research Symposium	Spring 2016
	227th AAS Meeting Kisseemee, Florida	Winter 2016
	SoCal Conference for Undergrad Research, Harvey Mudd College	Fall 2015
	CAMPARE Symposium, Cal Poly Pomona	Summer 2015

HONORS, AWARDS, AND PRIZES	UCI Latino Excellence and Achievement Award	Spring 2021
	UCI Physical Sciences Diversity Fellow	Spring 2021
	UC Irvine Diversity Recruitment Fellowship	Fall 2017
	UC Irvine Competitive Edge Scholar	Summer 2017
	UC Irvine SURF Scholar	Summer 2016
	Presidents Student Research Travel Scholarship	Winter 2016
	Cal-Bridge Scholar	2015-2016
	CAMPARE Scholar	Summer 2015
	TELACU Scholar	2013-2017
Service Learning Award	2013	

PROFES- SIONAL SERVICE	UCI PACE Leadership Team Chair	Summer 2020 - Present
	Cal-Bridge Graduate Mentor	Fall 2019 - Present

	TELACU Graduate Mentor	Fall 2019 - Present
	UCI Physics Graduate Caucus Diversity Chair	Winter 2018 - Present
	UCI DECADE Physics Graduate Representative	Fall 2018 - Present
	UCI PACE Leader in Training	Fall 2019 - Spring 2020
	Organized GalFRESCA Workshop 2019	Summer 2019
	UCI Physics and Astronomy PACE Mentor	Fall 2018
	UCI STRIDE! Physics and Astronomy Panel Participant	Summer 2018
	UCI Competitive Edge Panel Participant	Summer 2018
COMMUNITY SERVICE	UCI Telescope Outreach Program	Spring 2018 - Present
	UCI WATzUP Group Leader	Fall 2017 - Present
	UCI Eclipse Party Volunteer	Summer 2017
	BUILD Star Party speaker	Spring 2017
	Rivera Middle School Guest Speaker	Spring 2015
	Physics Phun Day Collegewood Elementary	Spring 2015
TEACHING EXPERIENCE	Learning Shack Math and Physics Tutor	Fall 2018 - Present
	Ardent Academy AP Physics C Instructor	Winter 2020
	UC Irvine Graduate Teaching Assistant	Fall 2017 - Winter 2018
	• Statistical Mechanics	Fall 2018
	• Life in the Universe	Spring/Fall 2018
	• Introduction to Mathematical Physics	Fall 2017
	Cal Poly Pomona Learning Assistant	2015-2016
	• Electrostatics	Fall 2015/Winter 2016
	• Introductory Physics	Spring 2015
CERTIFICA -TIONS	UCI OIE Inclusive Excellence	Fall 2020
	UCI DTEI Certificate in Course Design	Spring 2020
	CIRTL Associate Level	Spring 2020
REFERENCES	Prof. James Bullock	
	• Professor at University of California, Irvine	
	• Ph.D. Adviser	
	• Email: bullock@uci.edu	
	Prof. Jorge Moreno	
	• Professor at Pomona College	
	• Mentor	
	• Email: jorge.moreno@pomona.edu	