## Francisco J. Mercado

fjmercado.github.io

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EDUCATION	UC Irvine – Ph.D. Program UC Irvine – M.S. Physics Cal Poly Pomona – B.S. Physics	2017 - Projected 2023 Awarded 2019 Awarded 2017
	A Relationship Between Stellar Metallicity Gradients and Galaxy Age in Dwarf Galaxies <b>F. J. Mercado</b> , J. Bullock, M. Boylan-Kolchin, and FIRE Collaboration (2020); MN-RAS, Volume 501, Issue 4, pp.5121-5134	

The time-scales probed by star formation rate indicators for realistic, bursty star formation histories from the FIRE simulations

J. Florez Velaźquez, A. Gurvich, C. Faucher-Giguere, J. Bullock, T. Starkenburg, J. Moreno, A. Lazar, **F. J. Mercado**, J. Stern, M. Sparre, C. Hayward, A. Wetzel, K. El-Badry (2020); MNRAS Volume 501, Issue 4, pp.4812-4824

TALKS/	Northwestern Science Happy Hour	Spring 2021
PRESENTA-	GALFRESCA Annual Workshop	Summer 2017 - 2019
TIONS	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 Kissemmee, Florida	Winter 2016
	SoCal Conference for Undergrad Research, Harvey Mudd College	Fall 2015
	CAMPARE Symposium, Cal Poly Pomona	Summer 2015
HONORS,	UCI Latino Excellence and Acheivement Award	Spring 2021
AWARDS,	UCI Physical Sciences Diversity Fellow	Spring 2021
AND PRIZES	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-	UCI PACE Leadership Team Chair	Summer 2020 - Present
SIONAL	Cal-Brisge Graduate Mentor	Fall 2019 - Present
SERVICE		

	TELACU Graduate Mentor UCI Physics Graduate Caucus Diversity Chair UCI DECADE Physics Graduate Representative UCI PACE Leader in Training Organized GalFRESCA Workshop 2019 UCI Physics and Astronomy PACE Mentor UCI STRIDE! Physics and Astronomy Panel Participant UCI Competitive Edge Panel Participant	Fall 2019 - Present Winter 2018 - Present Fall 2018 - Present Fall 2019 - Spring 2020 Summer 2019 Fall 2018 Summer 2018 Summer 2018
COMMUNITY SERVICE	UCI Telescope Outreach Program UCI WATzUP Group Leader UCI Eclipse Party Volunteer BUILD Star Party speaker Rivera Middle School Guest Speaker Physics Phun Day Collegewood Elementary	Spring 2018 - Present Fall 2017 - Present Summer 2017 Spring 2017 Spring 2015 Spring 2015
TEACHING EXPERIENCE	Learning Shack Math and Physics Tutor Ardent Academy AP Physics C Instructor UC Irvine Graduate Teaching Assistant  • Statistical Mechanics • Life in the Universe • Introduction to Mathematical Physics  Cal Poly Pomona Learning Assistant • Electrostatics • Introductory Physics	Fall 2018 - Present Winter 2020 Fall 2017 - Winter 2018  Fall 2018  Spring/Fall 2018  Fall 2017  2015-2016 Fall 2015/Winter 2016  Spring 2015
CERTIFICA -TIONS	UCI OIE Inclusive Excellence UCI DTEI Certificate in Course Design CIRTL Associate Level	Fall 2020 Spring 2020 Spring 2020

## REFERENCES

Prof. James Bullock

- Professor at University of California, Irvine
- Ph.D. Adviser
- $\bullet$ Email: bullock@uci.edu

Prof. Jorge Moreno

- Professor at Pomona College
- $\bullet$  Mentor
- Email: jorge.moreno@pomona.edu