

CV

JOSE MARÍA EZQUIAGA

PRESENT POSITION	NASA Einstein Fellow The University of Chicago 5640 South Ellis Avenue, Chicago, IL 60637	ezquiaga@uchicago.edu jmezquiagabravo.wixsite.com +1 (773) 834-9785
RESEARCH INTERESTS	Gravitational Waves, Dark Energy, tests of General Relativity, Black Holes, Lensing	
EDUCATION	PhD Universidad Autónoma de Madrid , Theoretical Physics <i>Probing the Dark Universe with Gravitational Waves</i> , Thesis Advisor: Juan García-Bellido (IFT UAM-CSIC) Research visits: CERN (3 months, 2018), U. C. Berkeley (3 months, 2017)	2015-2019
	MA IFT UAM-CSIC , Theoretical Physics <i>Higgs-Dilaton Cosmology: Phenomenology, Self-Consistency and Predictions</i> MA Thesis Advisor: Juan García-Bellido (IFT UAM-CSIC)	2014-15
	BA Universidad Autónoma de Madrid , Physics <i>Advanced Methods for Statistical Analysis of the CMB</i> BA Thesis Advisor: Pavel Naselsky (Niels Bohr Institute) Research visits: Niels Bohr Institute (10 months, 2013-14)	2010-14
HONORS AND AWARDS	NASA Einstein Fellow (3 years) Best thesis in theoretical physics from Spanish Royal Society of Physics Enrique Fuentes Quintana Prize best thesis in STEM Extraordinary Doctorate Prize from UAM Sobresaliente Cum Laude doctorate Sparrho Early Career Research Prize FPU Fellow from Spanish Ministry of Science (4 years) Postgraduate Fellow from Excellence Campus UAM-CSIC (1 year)	2019-22 2021 2021 2020 2019 2018 2015-19 2014-15
LEADERSHIP	LIGO : Editorial Team member first LIGO/Virgo GW lensing search LISA : Coordinator Standard Siren chapter of Cosmology White Paper UChicago : Organizer KICP seminars (2020-21), Coordinator Community-Engagement Working Group (since 2020), Organizer 1st KICP-A&A Outreach Symposium (2020), Organizer Funch Journal Club (2019-20)	2020-21 2020-21
STUDENT SUPERVISION	Fei Xu, grad student UChicago, 1 finished project + 1 ongoing Mesut Çalışkan, undergrad student UChicago, 1 ongoing project Paolo Cremonese, grad student University of Szczecin, 1 accepted article	2020-present 2020-present 2020-21
LECTURES / TEACHING	Exploring our universe , Summer course, STEM-OUT Mexico, UChicago Multi-messenger Astronomy , ASTRO133, UChicago GWs and Cosmology , IPARCOS School (Madrid, Spain) Teaching Assistant Phys. Lab, Cosmology, Electrodynamics (UAM)	2021 2021 2019 2017-19
PUBLICATIONS SUMMARY	24 publications, 1536 citations (64 per paper), h-index 16 (See details at inspirehep.net J.M.Ezquiaga)	
TALKS SUMMARY	Seminars > 4/year since 2017, invited speaker ~ 2/year since 2018, contributed talks ~ 5/year since 2016, outreach talks ~ 2/year since 2017	
REFERENCES	Daniel Holz (UChicago), Wayne Hu (UChicago), Robert Wald (UChicago), Juan García-Bellido (IFT/UAM), Miguel Zumalacárregui (AEI)	

INTERNATIONAL PROJECTS	LIGO , ground-based GW detector	
	LISA , future space-based GW detector	
	CANTATA and GWverse COST Actions, EU networks in Cosmology and GWs	
INVITED SEMINARS	FNAL astro seminar (virtual)	Oct. 2020
	SISSA/IFPU gravity webminar (virtual)	Oct. 2020
	University of Illinois Urbana-Champaign (virtual)	Sept. 2020
	University of Minnesota (US)	Feb. 2020
	DESI lunch seminar UC Berkeley (US)	Dec. 2019
	Institute of Theoretical Astrophysics University of Oslo (Norway)	June 2018
	ITP Heidelberg Cosmo Seminar (Germany)	June 2018
	University of Geneva Cosmo Seminar (Switzerland)	June 2018
	Max Planck Institute Astrophysics Cosmo Seminar (Germany)	May 2018
	CERN Cosmology Seminar (Switzerland)	May 2018
	EPFL High Energy Theoretical Physics Seminar (Switzerland)	Apr. 2018
	De Madrid al Cosmos Seminar UCM (Spain)	Mar. 2018
	ICCUB Seminar University of Barcelona (Spain)	Feb. 2018
	Cosmology Seminar University of Cape Town (South Africa)	Dec. 2017
	Caltech Theoretical Cosmology Seminar (US)	Jun. 2017
	Lawrence Berkeley National Laboratory INPA Seminar (US)	Jun. 2017
	Stanford Institute for Theoretical Physics Seminar (US)	May 2017
	Nordita/OKC High Energy Physics Theory Seminar (Sweden)	May 2016
TALKS AT CONFERENCES (★ invited speaker)	COSMO'21 , (virtual)	Aug 2021
	EPS HEP , (virtual)	July 2021
	Amaldi 14 , (virtual)	July 2021
	DPF APS meeting, (virtual)	July 2021
	★ 1st EuCAPT annual symposium, (lightening talk, virtual)	May 2021
	April APS meeting, (virtual)	April 2021
	Pacific Coast Gravity meeting, (virtual)	March 2021
	Moriond Gravity , (virtual)	March 2021
	PBH confront GW , (invited panelist, virtual)	Feb. 2021
	Midwest Relativity Meeting , (virtual)	Oct. 2020
	NASA Hubble Fellowship Program Symposium, (virtual)	Sept. 2020
	XIII LISA Symposium , (virtual)	Aug. 2020
	Cosmology from Home , (virtual)	Aug. 2020
	★ 7th LISA Consortium , (virtual)	July 2020
	April APS meeting, (virtual)	April 2020
	GRASS meeting, IFT (Madrid, Spain)	Dec. 2019
	NASA Hubble Fellowship Program Symposium (Washington DC)	Oct. 2019
	★ 3rd CANTATA Meeting (Malta)	Mar. 2019
	Testing Gravity (Vancouver, Canada)	Jan. 2019
	★ A fresh look at the Universe CERN (Geneva, Switzerland)	July 2018
	The dawn of GWs science MITP program (Mainz, Germany)	June 2018
	53rd Rencontres de Moriond Cosmology session (La Thuile, It.)	Mar. 2018
	★ 53rd Rencontres de Moriond ElectroWeak session (La Thuile, It.)	Mar. 2018
	29th International Texas Symposium (Cape Town, South Africa)	Dec. 2017
	DESY Theory Workshop 2017 (Hamburg, Germany)	Sep. 2017
	Understanding Cosmological Observations (Benasque , Spain)	Aug. 2017
	VIII CPAN Days (Zaragoza, Spain)	Nov. 2016
	V Postgraduate Meeting on Theoretical Physics (Oviedo, Spain)	Nov. 2016
	12th Workshop Dark Side of the Universe (Bergen, Norway)	July 2016
	11th Iberian Cosmology Meeting (Vila do Conde, Portugal)	Mar. 2016

TEACHING EXPERIENCE	Main instructor	
	Exploring our universe (summer course, 25 hrs), Stem-out Mexico/UChicago	2021
	GWs and Cosmology (PhD school, 4 hrs), IPARCOS School (Madrid, Spain)	2019
	Invited lectures	
	Multi-messenger Astronomy (undergrad, 2 hrs), ASTRO133, UChicago	2021
	Teaching assistant	
	Classical Electrodynamics (30 hrs), 3rd and 4th yr Physics Degree, UAM	2018-19
	Physics Lab. (30 hrs), 1st year Biology Degree, UAM	2017-18
	Physics of the Cosmos (30 hrs), 4th year Physics Degree, UAM	Spring 2017
	Physics Lab. (30 hrs), 1st year Biology Degree, UAM	January 2017
SERVICE	Pedagogy and teaching courses	
	Active Learning, UAM	Fall 2018
	Introduction to Flipped Classroom, UAM	February 2018
	Referee of PRL (6 articles), PRD (13 articles), JCAP (2 articles), PLB (1 article) and IJMPD (2 articles)	
	Grant reviewer of NASA FINNEST (2020-21), Research Grant Council of Hong Kong (2020)	
	Elected representative of 3rd year Physics students at UAM	2012-13
	KICP Seminars (organizer, every week)	2020-2021
	Thunch Journal Club at KICP (organizer, every week)	2019-2020
	NASA Hubble Symposium 2020 (SOC, virtual)	Sept. 2020
	6th LISA Cosmology WG at IFT (local organizer)	January 2019
ORGANIZING EXPERIENCE	CosmoGrav Journal Club at IFT (main organizer, every 2 weeks)	2016-2019
	DES Meeting 2015 at IFT (local organizer)	October 2015
	SCHOOLS ATTENDED	
	Enrico Fermi School: GWs and Cosmology (Varenna, Italy)	2017
	TRR33 Cosmology Winter School (Passo del Tonale, Italy)	2016
	UIMP summer courses: CERN physics (Santander, Spain)	2014, 2015
	UAM summer school: Astronomy of 21st century (Madrid, Spain)	2012
	1st A&A/KICP Outreach Symposium (main organizer)	Sept. 2020
	KICP podcast (co-organizer, every week)	2020-21
	A&A Community-engagement working group (co-coordinator)	2020
OUTREACH ACTIVITIES	Public Talks	
	Public Talk for Life Long Learning (virtual)	Sept. 2020, June 2021
	Public Talk at Chicago Cultural Center	Oct. 2019
	Public Talk at Pint of Science (Madrid)	May 2019
	Public Talk at CAUM (Madrid)	Feb. 2019
	Talk at High School El Pinar (Madrid)	Feb. 2018
	Talk at High School Parque Lisboa (Madrid)	Dec. 2017
	Public talk at Madrid Science Week	Nov. 2017
	Outreach articles	
	<i>Descubriendo el lado oscuro del universo con ondas gravitacionales</i>	Feb. 2018
	Blog Red Temática de Relatividad y Gravitación (in Spanish)	
	Outreach videos	
	<i>Podrían los agujeros negros ser la materia oscura del universo?</i>	Sep. 2018
	Video for the IFT YouTube channel (in Spanish)	