

ELISA TOLOBA – Curriculum Vitae

CONTACT INFORMATION Department of Physics
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EDUCATION **Physics and Astrophysics**
Ph.D *Summa Cum Laude* with highest honors in Astronomy and Astrophysics, Universidad Complutense de Madrid (UCM; 2011)

- Thesis: *The Origin of Dwarf Early-Type Galaxies*
- Adviser: A. Boselli (Laboratoire d'Astrophysique de Marseille) and J. Gorgas (UCM)

Certificado de Estudios Avanzados en Astrofísica (**M.S.** in Astrophysics), UCM (2007)
Licenciatura en Física con especialidad en Astrofísica (**B.S.** in Physics & Astrophysics), UCM (2005)
Languages: Spanish, English
CPE (Certificate in Proficiency English), Cambridge University, UK (2007)
FCE (First Certificate in English), Cambridge University, UK (2002)

POSITIONS Assistant professor, University of the Pacific 2017-present
Postdoctoral Fellow, Texas Tech Univ., UCSC, UC Berkeley 2014-present
Fulbright Postdoctoral Fellow, UCSC and Carnegie Obs. 2012-2014
Postdoctoral Fellow, Univ. of California Santa Cruz (UCSC) 2011-2012
Graduate Research Assistant, Univ. of Central Lancashire Spring 2008
Graduate Research Assistant, Univ. Complutense 2005-2011
Undergraduate Research Assistant, Univ. Complutense 2004-2005

HONORS AND AWARDS **Fulbright Postdoctoral Fellowship** (2012-2014)

- Award by the Spanish Ministry of Education and the Fulbright Foundation. Only one was offered to Mathematics, Physics, and Space Sciences for the period 2012-2014

MERAC (Mobilising European Research in Astrophysics and Cosmology) nominee for Best Doctoral Thesis Prize (2012)

- Biannual award by the European Astronomical Society

Spain's best Astronomy Dissertation (2011)

- Annual award by the Spanish Astronomical Society

Comunidad de Madrid Graduate Research Fellowship (2007-2011)

- Three annual awards in Mathematics, Physics, and Space Sciences by the Comunidad de Madrid Education Department

Science Prize Fellowship for Undergraduate Students (2004-2005)

- Three annual awards in Mathematics, Physics, and Space Sciences by the Spanish Ministry of Education

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Outstanding Physics student "Brilliant 5%" (2004)

- Annual awards to the outstanding 5% students in Physics by Univ. Complutense

PROFESSIONAL SERVICES

Referee for ApJ, MNRAS, A&A
Non Tenure-Track Search Committee Physics Dept. at UoP 2016-2017
Hubble Space Telescope proposal review panelis 2017
National Science Foundation proposal review panelist 2016
External reviewer for the China Telescope Access Program 2016
UCSC Postdoctoral Representative 2014-2015
UCSC Friday Lunch Seminar (FLASH) Organizer 2012-2014
Univ. Complutense de Madrid Grad Student Representative 2007-2011
Academic Manager of the M.S. in Astrophysics (Univ. Complutense y Autónoma de Madrid) 2007-2008
Lecturer. Science Museum of Madrid: CosmoCaixa 2001-2004

PRESS RELEASES

Giant galaxy caught tearing apart its little neighbour January 2016
<https://www.newscientist.com/article/dn28722-giant-galaxy-caught-tearing-apart-its-little-neighbour>
"Strongman" Aussie Discovers Dwarf Galaxy January 2016
<http://www.skyandtelescope.com/astronomy-news/strongman-aussie-amateur-discovers-dwarf-galaxy-010820155>
Study of Andromeda's stellar disk indicates more violent history than Milky Way January 2015
<http://news.ucsc.edu/2015/01/andromeda-galaxy.html>
Descubren nuevos datos acerca del proceso de formación de las galaxias elípticas March 2009
http://www.ucm.es/info/otri/cult_cient/infocientifica/noti_mar_09_01.htm

INVITED TALKS

Conferences:

- Nuclear Clusters in Galaxies and the Role of the Environment (Netherlands, 2014)
- X Meeting of the Spanish Astronomical Society (Spain, 2012)
- Early-Type Dwarf Galaxies: Origin, Evolution, Characteristics (Germany, 2010)

Colloquium Series:

- University of California Davis (2013)
- Carnegie Observatories (2012)

Lunch Talk Series:

- University of California Santa Cruz (2013, 2015)
- University of California Riverside (2012)

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OBSERVING PROJECTS

PI of HST program HST-14318

PI of 19 proposals and 66 awarded nights (Keck, VLT, Palomar, WHT, TNG, Shane, INT, NOT). **Leader of large projects:**

- Virgo3D (IFU spectroscopy of ~ 200 galaxies in Virgo)
- SMAKCED (long-slit of ~ 40 dwarfs in Virgo)

Co-I of NSF proposal AST-1412504 (PI: D. Sand)

Co-I of 21 proposals (HST, Keck, VLT, Magellan, WHT, NTT). Large projects:

- The Coma Cluster Core Project (HST, PI: T. Puzia)
- PISCeS (Magellan, PI: D. Sand & J. Simon; HST, PI: D. Crnojevic)
- HALO7D (Keck, PI: P. GuhaThakurta)

TELESCOPE EXPERIENCE

Keck-DEIMOS, MOSFIRE, VLT-FORS2, Magellan-Megacam, WHT-ISIS, TNG-NICS, Shane-KAST, INT-IDS, NOT-NOTCam

TEACHING & OUTREACH

Assistant professor, University of the Pacific

- Cosmology (PHYS 141, Spring 2017)

Teaching assistant, Univ. Complutense de Madrid

- Fundamentos de Física II - 1st year Physics students (2010-2011)
- Fundamentos de Física I - 1st year Physics students (2009-2010)
- Laboratorio de Astrofísica - 3rd year Physics students (2004-2005)

Lecturer. Open House Days Astronomy Dept. - Univ. Complutense (2005-2011)

Lecturer. Science Museum of Madrid: CosmoCaixa 2001-2004

MENTORING

5 Graduate Students:

- Emily Cunninham (UCSC), Katherine Hamrem (UCSC), Claire Dorman (UCSC), Yiqing Liu (PKU), Biao Li (PKU)

3 Undergraduate Students:

- Jinging Chen (PKU), Corinne Rushing (UCSC), Michelle Yamaguchi (UCSC)

15 High School Students (Summer Internship Program):

- Arushi Sahai, Andrew Shao, Rachel Guo, Jason Chu, Lea Sparkman, Ajinkya Nene, Alice Wu, Stephanie Chen, Sony Theakanath, Neel Ramachandran, Samyu Yagati, Annelise Gallagher, Shazia Babul, Sumedh Guha, Debnil Sur.

Awards won by my advisee:

- 2 *semifinalists* in the Intel Science Talent Search
- 4 *Regional finalists* in the the Siemens Science Competition
- 10 *National semifinalists* in the Siemens Science Competition

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CONFERENCES (only oral contributions)	The Origin (and Evolution) of Baryonic Galaxy Halos Galapagos, 2017
	Resolving Galaxies in the Era of Extremely Large Telescopes California, 2015
	The Most Massive Galaxies and their Precursors Sydney, 2015
	AAS 225th meeting Seattle, 2015
	Galaxy Workshop California, 2014
	Nuclear Clusters in Galaxies and the Role of the Environment Netherlands, 2014
	AAS 223rd meeting Washington DC, 2014
	Galaxy Workshop California, 2013
	Probes of Dark Matter on Galaxy Scales California, 2013
	Small Stellar Systems in Tuscany: From Globular Clusters to Dwarf Galaxies and Everything in Between Italy, 2013
	XXVIII IAU General Assembly. SpS3: General Evolution Through Secular Processes China, 2012
	AAS 221st meeting <i>Dissertation Talk</i> California, 2012
	Fornax, Virgo, Coma et al Germany, 2011
	IX Scientific Meeting of the Spanish Astronomical Society Spain, 2010
	A Universe of Dwarf Galaxies: Observations, Theories, Simulations France, 2010
	XXII IAU General Assembly. Symposium 262 Stellar Populations-Planning for the Next Decade Brazil, 2009
	Fourth MAGPOP Network Meeting France, 2008
	Probing Stellar Populations out to the Distant Universe Italy, 2008
	VIII Scientific Meeting of the Spanish Astronomical Society Spain, 2008
	Third MAGPOP Network Meeting Malta, 2007
	IAU Symposium 241: Stellar Populations as Building Blocks of Galaxies Spain, 2006
	Second MAGPOP Network Meeting Spain, 2006
	VII Scientific Meeting of the Spanish Astronomical Society Spain, 2006
	Fine-Tuning Stellar Population Models (<i>Poster</i>) Netherlands, 2006
	First MAGPOP Network Meeting Spain, 2006