

Part A. PERSONAL DATA		Date of this CVA		30/11/2017
Nombre y apellidos	Enrique Pérez Jiménez			
DNI	30440798E	Edad	59	
Núm. identificación del investigador	Researcher ID	A-2217-2009		
	Código Orcid	0000-0001-9737-4559		

A.1. Situación profesional actual

+	Consejo Superior de Investigación Científica			
Dpto./Centro	Instituto de Astrofísica de Andalucía			
Dirección	Glorieta de la Astronomía			
Teléfono	958121311	correo electrónico	eperez@iaa.es http://eperez.iaa.es	
Categoría profesional	Profesor de Investigación	Fecha inicio	Abril 2009	
Espec. cód. UNESCO	210104: Galaxias			
Palabras clave	Evolución de galaxias, poblaciones estelares, medio interestelar			

A.2. Formación académica (title, institution, date)

Degree	University	year
Licenciado en Ciencias Físicas	Universidad de Granada	1982
Licenciatura Tesina en Astrofísica	Universidad de La Laguna	1985
D.Phil.	University of Sussex (UK)	1987

A.3. Overall indicators of quality of scientific output

- Number of sexenios = 5 (2013). Number of quinquenios = 6 (2012)
- Number of PhD supervised = 5
- Publications in Q1 journals (ApJ, MNRAS, A&A, AJ, Science) = 125
- Total citations (ADS) = 6000+ ; <citations>[2012-2016] = 1660/5 = 332/año
- Hirsch index = 44
- Access to complete refereed publication list: <http://eperez.iaa.es>

Part B. Summary of CV

CSIC Senior Research Professor since 2008, Guillermo Haro Excellence Professor (INAOE, Puebla, México, 2013); previously I have been CSIC Research Scientist (1993-2008), University of La Laguna Professor (1990-1993), several posts as assistant Professor at ULL, Science and Engineering Research Council grant holder (UK, 1983-1985) at the Royal Greenwich Observatory (Herstmonceux), where I research towards my D.Phil in Astronomy at University of Sussex. I have been awarded the maximum of 5 research sexenios y 6 quinquenios.

I have actively contributed to more than 125 research papers published in refereed Q1 international journals (ApJ, MNRAS, A&A, AJ, Science), with 6000+ citations; some 330 citations per year to the papers of the last five years. This gives a Hirsch index of 44. I have a wide experience in the organization of international workshops and conferences. I am regularly called as a member of panels of diverse nature, related to the scientific evaluation of projects, both national or international, or the evaluation of academic institutions or individuals. I have been the Spanish representative at the Board of Directors of European publication Astronomy & Astrophysics during 2010-2017. Teaching has always been an important dimension of my career, where I keep active since 1985, at the undergrad and postgraduate levels, as instructor to introduction to research to secondary schoolers, and as a public outreach speaker in Spain and in Mexico, on a range of scientific topics (astronomy, physics, complexity, color, water, etc). I am also active in other aspects of public outreach, as in the organization of international exhibitions, a varied role in documentaries, and in public discussion panels on a range of topics.

As for my research career, I started during my PhD with studies of the spectrophotometric variability of AGN, including spectroscopic observations and numerical modelling of the BLR during my first postdoctoral years. Already during my PhD I developed an interest on the relationship between nuclear activity and star formation in galaxies, that I have developed during most of my mature years into a variety of projects, from spectropolarimetry of quasars to a variety of projects about star formation and AGN in individual and in samples of galaxies. From the beginning I have been interested in the ionization structure of ionized gaseous nebulae, and what we can learn about their ionization and thermal structures and their effect on the computation of the gas phase abundances, the age dating of star forming regions, and the structure of planetary nebulae. For decades I have been studying

the structure and kinematics of nearby galaxies. From the start of the international project CALIFA in 2010 I have been involved full time into developing methods to understand the evolution of nearby galaxies, and what they can tell us about the formation and evolution of galaxies in general, using and developing tools for the purpose. I have developed, in the context of our group Spanish-Brazilian collaboration, a variety of algorithms and ideas applying the code STARLIGHT in ingenious and novel ways with important results with many citations. Thus, I am now in a mature phase of my career, with the knowledge of a broad range of techniques and astrophysical contexts that allow me a creative and sound approach to many problems related to the structure and evolution of galaxies, but also to challenges in other scientific fields of research.

Parte C. More relevant achievements

C.1. Publications

A total of 125+ papers in Q1 journals (ApJ, MNRAS, A&A, AJ) with 6000+ citations; an average of 4 papers/year since 1984. I highlight 10 of these papers.

1. The CALIFA survey across the Hubble sequence: Spatially resolved stellar population properties in galaxies.
González Delgado, R.M, García-Benito, R., Pérez, E., et al.
2015, A&A, 581, 103 **Citations = 68**
2. The star formation history of CALIFA galaxies: Radial structures
González Delgado, R.M, Pérez, E., et al.
2014, A&A, 562, 47 **Citations = 79**
3. A characteristic oxygen abundance gradient in galaxy disks unveiled with CALIFA
Sánchez, S.F., et al. (inc. Pérez, E.)
2014, A&A, 563, 49 **Citations = 161**
4. Resolving galaxies in space and time: I: Applying STARLIGHT to CALIFA datacubes
Cid Fernandes, R., Pérez, E., et al.
2013, A&A, 557, 86 **Citations = 66**
5. The evolution of galaxies resolved in space and time: A view of Inside-out growth from the CALIFA survey
Pérez, E., Cid Fernandes, et al.
2013, ApJL, 764, 1 **Citations = 99**
6. CALIFA, the Calar Alto Legacy Integral Field Area survey. III. Second public release,
García Benito, R. et al. (inc. Pérez, E.)
2012, A&A, 576, 135 **Citations = 79**
7. CALIFA, the Calar Alto Legacy Integral Field Area Survey: I. Survey presentation
Sánchez, S., et al. (inc. Pérez, E.)
2012, A&A, 538, 8 **Citations = 401**
8. The fractal dimension of projected clouds.
Sánchez, N., Alfaro, E., Pérez, E.
2005, ApJ, 625, 849 **Citations = 56**
9. NGC 604, the Scaled OB Association (SOBA) Prototype. I. Spatial Distribution of the Different Gas Phases and Attenuation by Dust
Maíz-Apellániz, J., Pérez, E., Mas-Hesse, J.M.
2004, AJ, 128, 1196 **Citations = 42**
10. Circumnuclear structure and kinematics in the active galaxy NGC 6951
Pérez, E., et al.
2000, A&A, 353, 893 **Citations = 40**

C.2. Projects (last 10 years)

1. **Title:** Resolviendo las galaxias en espacio y tiempo: claves para la formación y evolución de galaxias
Funding Entity: AyA2016-77486-P **Duration:** 2017-2019 **Funds:** 179080 €
Principal Investigator: R. González Delgado **Role:** co-PI

- 2. Title:** Resolviendo las galaxias en espacio y tiempo: claves para la formación y evolución de galaxias
Funding Entity: AyA2014-57490-P **Duration:** 2015-2016 **Funds:** 129470 €
Principal Investigator: R. González Delgado **Role:** Investigador
- 3. Title:** Estructura y Evolución de la Formación estelar Violenta: desde 30 Dorado hasta los quasares
Funding Entity: AyA2010-15081 **Duration:** 2011-2014 **Funds:** 323796 €
Principal Investigator: R. González Delgado **Role:** Investigador
- 4. Title:** CALIFA-PopStar: Un legado andaluz universal
Funding Entity: P12.FQM2828 (Junta de Andalucía) **Duration:** 2014-2015 **Funds:** 59050 €
Principal Investigator: R. González Delgado **Role:** Investigador
- 5. Title:** Estructura y Evolución de la Formación estelar Violenta: desde 30 Dorado hasta los quasares
Funding Entity: AyA2007-64712 **Duration:** 2007-2010 **Funds:** 157400 €
Principal Investigator: E. Pérez Jiménez **Role:** Principal Investigator
- 6. Title:** Young massive star clusters
Funding Entity: AyA2007-28640-E **Duration:** 2007-2009 **Funds:** 10000 €
Principal Investigator: E. Pérez Jiménez **Role:** Principal Investigator
- 7. Title:** Caracterización Infrarroja del Observatorio de Sierra Nevada
Funding Entity: AyA2005-24106-E **Duration:** 2006-2007 **Funds:** 37000 €
Principal Investigator: E. Pérez Jiménez **Role:** Principal Investigator
- 8. Title:** Formación estelar Violenta: Retroacción entre poblaciones estelares y el gas
Funding Entity: AyA2004-C02703 **Duration:** 2005-2007 **Funds:** 166000 €
Principal Investigator: E. Pérez Jiménez **Role:** Principal Investigator

C.3. Lecturing

Lecturing to undergraduates in Physics and Mathematics, University of La Laguna: 1986-1993

PhD lectures 1990-2017 at the Universities: La Laguna, Granada, Autónoma de Madrid, INAOE (México), IA-UNAM (México), and Instituto de Astrofísica de Andalucía.

C.4. PhD supervising

Title: Estructura y cinemática de la BLR en núcleos activos de galaxias.

Student: Luis P. de la Fuente Rodríguez

University: La Laguna

School: Physics & Astronomy

Date: 1993

Grade: apto cum laude

Title: On the relationship between star formation and activity in galaxies.

Student: Rosa María González Delgado

University: La Laguna

School: Physics & Astronomy

Date: 1995

Grade: apto cum laude

Title: Etude de différents milieux astronomiques par l'analyse des raies d'émission.

Student: Luc Jamet

University: Paris VII, France

School: Physics & Astronomy (co-supervised with Dr. Grazyna Stasinska, Obs. Meudon, Paris)

Date: december 2004

Title: Estudio de la formación estelar en regiones de HII extragalácticas gigantes.

Student: Rubén García Benito

University: Autónoma de Madrid

School: Physics & Astronomy (co-supervised with Dr. Ángeles Díaz, UAM)

Date: 2009 september.

Grade: apto cum laude

Title: Estudio de la formación estelar en regiones de HII extragalácticas gigantes.

Student: María del Carmen Sánchez Gil
University: Granada
School: Physics & Astronomy (co-supervised with Dr. Emilio Alfaro, IAA)
Date: 2011 march. Grade: apto cum laude

C.5. Participation in Scientific/evaluation/advisory Committees, a sample

Board of Directors, Astronomy & Astrophysics, Spanish representative.
Spanish MINECO & ESO
Date: 2010-2017

Evaluating committee of funding program Explora-Ingenio; vice-chairman.
Spanish MICINN
Theme: multidisciplinary (all sciences and humanities)
Date: 2006-2014

Several evaluating committees: Spanish ANEP, NATO, Mexican CONACYT, Argentinian CONICET, Austrian Science Fund FWF, etc.

Evaluating committee for the creation of the Instituto del Cosmos, University of Barcelona.
University de Barcelona
Theme: Physics and Space Sciences
Date: 2006

Evaluating committee for the position of Investigador Científico CSIC.
Spanish MEC - CSIC
Date: 2005

External evaluating committee
Junta de Andalucía
Theme: Evaluating the Degree of Physics at the University of Granada
Date: October 2002 – March 2003

Member of more than thirty PhD viva panels, as president of the panel or in other role, at the University of La Laguna, University of Granada, Universidad Autónoma de Madrid, Universidad Complutense de Madrid, University of Paris VII, and INAOE (Puebla, México).

C.6. Other

My complete CV contains many more instances of activities of committees, teaching in other contexts, public outreach talks, involvement in technical projects, visits and long stays abroad, etc.

C.7. Outreach See a list of activities here: <http://eperez.iaa.es/ESEnrique/Divulgacion.html>

C.8. Web page: <http://eperez.iaa.es>