

Part A. PERSONAL INFORMATION		CV date	17/09/2018
First and Family name	Edgar Fernández Malavé		
Social Security, Passport, ID number	05296019Q	Age	55
Researcher numbers	Researcher ID		
	Orcid code		

A.1. Current position

Name of University/Institution	Universidad Complutense de Madrid (UCM)		
Department	Immunology, Ophthalmology and ENT, School of Medicine		
Address and Country	c/ Doctor Severo Ochoa 9, 28040 Madrid, Spain		
Phone number	+34913947220	E-mail	edfernan@med.ucm.es
Current position	Associate Professor	From	20/12/2011
Espec. cód. UNESCO	2412, 3207.10, 2415		
Palabras clave	TCR; T lymphocyte; mouse models of immunodeficiency		

A.2. Education

PhD	University	Year
Biological Sciences	Universidad Autónoma de Madrid (UAM)	1995

A.3. JCR articles, h Index, thesis supervised...

Six-year research merits (*sexenios*): 4 (1992-2015) Date of the last granted: 06/2016
 Direction of PhD Thesis: 3 (2012, 2015, 2016). All "*sobresaliente cum laude*"
 Total citations Web of Science de Thomson Reuters: 709
 Average citations/year in the last five years: 24.2
 Publications in Q1: 14 *h*-index: 12
 Sum IF: 227.8

Part B. CV SUMMARY (*max. 3500 characters, including spaces*)

Academic and scientific career: Biologist, Universidad Simón Bolívar, Venezuela (1984); Research Student, Universidad de Chiba University, Japan (1985-1986); Scientific and technical staff, Lusotrasplante (1987-1991) and Invited Professor of Immunology, Universidade Nova de Lisboa, Portugal (1988-1991); PhD in Biological Sciences, Universidad Autónoma de Madrid, Spain (1995); Visiting Fellow, National Institutes of Health, USA (1995-1998); Postdoctoral Fellow, Centro de Biología Molecular Severo Ochoa (CBMSO), Madrid (1999-2000); "Ramón y Cajal" Researcher, CBMSO (2001-2006; I3 Certification, 2005); *PCD* (2007-2011), Associate Professor (2012-present), Academic Secretary (2014-2016), Department of Microbiology I, School of Medicine, Universidad Complutense de Madrid.

Research career: developed in Venezuela, Japan, Portugal, Spain, and USA, in outstanding institutions (Venezuelan Institute for Scientific Research IVIC; School of Medicine of Chiba University; Lusotrasplante; Center for Molecular Biology Severo Ochoa; National Institutes of Health (NIH); School of Medicine of Complutense University). Publications in indexed journals with mean IF 9.6, highlighting: 1 Nature (2000), 4 J. Exp. Med. (1993; 1995; 2007; 2013), 1 FASEB J (1997), 5 BLOOD (1994, cover of the issue; 2000, single author; 2005; 2006; 2011), 3 JACI (2014; 2017; 2018) y 1 Nat. Immunol. (2016). Competitive scientific conferences: 41 (11 national and 30 international), both posters and oral presentations. Research projects: 17 (4 as predoctoral; 3 as postdoctoral; 3 Network projects and 7 as Principal Investigator). PI within the Lymphocyte Immunobiology Group of Complutense University (2007-present), evaluated as EXCELENT in the last AEI evaluation (2018).

Major scientific and technical achievements: development of monoclonal antibodies for HLA typing (*Biotest* Immunology Prize, 1989; Portugal); and of genetically engineered mouse models for study of the development and function of T lymphocytes.

Part C. RELEVANT MERITS

C.1. Publications (including books) (last 10 years)

- 1. AUTORES/AS (p.o. de firma):** Jiménez-Reinoso A, Marin AV, Subias M, López-Lera A, Román-Ortiz E, Payne K, Ma CS, Arbore G, Kolev M, Freeley SJ, Kemper C, Tangye SG, **Fernández-Malavé E**, Rodríguez de Córdoba S, López-Trascasa M, Regueiro JR
TITULO: Human plasma C3 is essential for the development of memory B, but not T, lymphocytes.
REF. REVISTA/LIBRO: J Allergy Clin Immunol. 141(3):1151-1154.e14, 2018 (IF 13)
- 2. AUTORES/AS (p.o. de firma):** Abos Gracia B, López Relañó J, Revilla A, Castro L, Villalba M, Martín Adrados B, Regueiro JR, **Fernández-Malavé E**, Martínez Naves E, Gómez del Moral M
TITULO: Human Invariant Natural Killer T cells respond to antigen-presenting cells exposed to lipids from *Olea europaea* pollen
REF. REVISTA/LIBRO: Int Arch Allergy Immunol, 173(1):12-22, 2017 (IF 2.72)
- 3. AUTORES/AS (p.o. de firma):** Marin AV, Jiménez-Reinoso A, Briones AC, Muñoz-Ruiz M, Aydogmus C, Pasick LJ, Couso J, Mazariegos MS, Alvarez-Prado AF, Blázquez-Moreno A, Cipe FE, Haskologlu S, Dogu F, Morín M, Moreno-Pelayo MA, García-Sánchez F, Gil-Herrera J, **Fernández-Malavé E**, Reyburn HT, Ramiro AR, Ikinçiogullari A, Recio MJ, Regueiro JR, Garcillán B
TITULO: Primary T-cell immunodeficiency with functional revertant somatic mosaicism in CD247.
REF. REVISTA/LIBRO: J Allergy Clin Immunol, 139(1):347-349.e8, 2017 (IF 13)
- 4. AUTORES/AS (p.o. de firma):** Miguel Muñoz-Ruiz, Julie C. Ribot, Ana R. Grosso, Natacha Gonçalves-Sousa, Ana Pamplona, Daniel J. Pennington, José R. Regueiro, **Edgar Fernández-Malavé*** and Bruno Silva-Santos*. *equal contribution
TITULO: TCR signal strength control thymic differentiation of discrete proinflammatory $\gamma\delta$ T cells.
REF. REVISTA/LIBRO: Nat Immunol, 17(6):721-727, 2016 (IF 22)
- 5. AUTORES/AS (p.o. de firma):** Garcillán B., Mazariegos M.S., Fisch P., Res P.C., Muñoz-Ruiz M., Gil J., López-Granados E., **Fernández-Malavé E.*** and Regueiro J.R*. *equal contribution
TITULO: Enrichment of the rare CD4+ $\gamma\delta$ T-cell subset in patients with atypical CD3 δ deficiency.
REF. REVISTA/LIBRO: J Allergy Clin Immunol, 133 (4): 1205-8.e9, 2014 (IF 12)
- 6. AUTORES/AS (p.o. de firma):** Salvador Iborra, Manuel Ramos, David M. Arana, Silvia Lázaro, Francisco Aguilar, Eugenio Santos, Daniel López, **Edgar Fernández-Malavé***, Margarita Del Val*. *equal contribution
TITULO: N-ras couples antigen receptor signalling to Eomesodermin and to functional CD8⁺ T cell memory but not to effector differentiation
REF. REVISTA/LIBRO: J Exp Med, 210(7):1463-79, 2013 (IF 13.853)
- 7. AUTORES/AS (p.o. de firma):** Miguel Muñoz-Ruiz, Verónica Pérez-Flores, Beatriz Garcillán, Alberto C Guardo, Marina S Mazariegos, Hidetoshi Takada, Luis M Allende, Sara S Kilic, Ozden Sanal, Chaim M Roifman, Eduardo López-Granados, María J Recio, Eduardo Martínez-Naves, **Edgar Fernández Malavé***, José R Regueiro*. *equal contribution
TITULO: Human CD3 γ , but not CD3 δ , haploinsufficiency differentially impairs $\gamma\delta$ versus $\alpha\beta$ surface TCR expression
REF. REVISTA/LIBRO: BMC Immunol, 14(3), 2013 (IF 2.246)

8. AUTORES/AS (p.o. de firma): Iborra S, Soto M, Stark-Aroeira L, Castellano E, Alarcón B, Alonso C, Santos E, **Fernández-Malavé E**
TITULO: H-ras and N-ras are dispensable for T-cell development and activation but critical for protective Th1 immunity
REF. REVISTA/LIBRO: BLOOD, 117(19):5102-11, 2011 (IF 10.558)

9. AUTORES/AS (p.o. de firma): **Fernández-Malavé E**, Stark-Aroeira L
TITULO: A natural anti-T-cell receptor monoclonal antibody protects against experimental autoimmune encephalomyelitis
REF. REVISTA/LIBRO: J Neuroimmunol, 234(1-2):63-70, 2011 (IF 2.841)

10. AUTORES/AS (p.o. de firma): Siegers GM, Swamy M, **Fernández-Malavé E**, Minguet S, Rathmann S, Guardo AC, Pérez-Flores V, Regueiro JR, Alarcón B, Fisch P, Schamel WWA
TITULO: Different composition of the human and the mouse $\gamma\delta$ T cell receptor explains different phenotypes of CD3 γ and CD3 δ immunodeficiencies
REF. REVISTA/LIBRO: J Exp Med, 204(11):2537-2544, 2007 (IF 15.612)

C.2. Research projects and grants (*PI)

1. *Fisiología de la activación extra e intracelular del linfocito T. MINECO RETOS 2014, José R. Regueiro y Edgar Fernández Malavé, UCM, 2015-2017, 332.750 €, Ref. SAF2014-54708R
2. Biology and physiopathology of the complement system, CAM 2010, Rodríguez de Córdoba S, CIB CSIC, 2012-2016, 736.000 €, UCM, 100.000 €, Ref. P2010/BMD-2316.
3. *Papel de las isoformas de Ras en la generación y fisiopatología de las células T productoras de IL-17 no convencionales (iNKT y T $\gamma\delta$ 17): implicaciones en neuroinflamación. FIS-ISCI 2011, Edgar Fernández Malavé, UCM, 2012-2014, 123.541 €, Ref. PI11/02198
4. *Diferenciación y fisiopatología de las células TH17: implicación de las isoformas de RAS. FIS-ISCI 2008, Edgar Fernández Malavé, UCM, 2009-2011, 113.861 €, Ref. PI08/0102
5. *Regulación de la diferenciación de los linfocitos T CD4⁺ por la señalización vía TCR/RAS. UCM-CAM 2008, Edgar Fernández Malavé, UCM, 2009, 21.000 €, Ref. CCG08-UCM/SAL-4215
6. *Papel de H-ras y N-ras en el desarrollo, selección y función de los linfocitos T. CAM 2004, Edgar Fernández Malavé, CBMSO CSIC-UAM, 2005, 18.975 €, Ref. GR/SAL/0168/2004
7. *Papel de CD3 γ y CD3 δ en la expresión y función de los complejos pre-TCR y TCR durante el desarrollo intratímico de las células T. MCyT 2002, Edgar Fernández Malavé, CBMSO CSIC-UAM, 2002-2005, 69.000 €, Ref. BMC2002-01431

C.3. Contracts

C.4. Patents

C.5, C.6, C.7... (e. g., Institutional responsibilities, memberships of scientific societies...)