

CV Date	21/01/2024
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## Part A. PERSONAL INFORMATION

First Name	José Manuel		
Family Name	Martín Villa		
Sex	Male	Date of Birth	13/11/1961
ID number Social Security, Passport	05377375K		
URL Web			
Email Address	jmmvilla@ucm.es		
Open Researcher and Contributor ID (ORCID)	0000-0002-2436-8585		

### A.1. Current position

Job Title	Vicedecano Relaciones Internacionales y Movilidad		
Starting date	2022		
Institution	Universidad Complutense de Madrid		
Department / Centre	/		
Country		Phone Number	
Keywords			

### A.2. Previous positions (Research Career breaks included)

Period	Job Title / Name of Employer / Country
2007 - 2008	VISITING PROFESSOR / BETH ISRAEL DEACONESS MEDICAL CENTER. HARVARD MEDICAL SCHOOL

### A.3. Education

Degree/Master/PhD	University / Country	Year
Inmunología	Facultad de Biología Universidad Complutense de Madrid / Spain	1991
Licenciado en Biología Especialidad Biología Fundamental	Facultad de Biología. Universidad Complutense de Madrid / Spain	1984

## Part B. CV SUMMARY

### CV SUMMARY

#### 1.- Research activity

Publications (PubMed): 112. H index (Google Academics 30. No. of citations 2886). See full list of publications at <https://pubmed.ncbi.nlm.nih.gov/?term=%22martin-villa+j%22+OR+%22martin-villa+M%22+OR+%22Manuel+martin-villa%22>

Participation in competitive research projects

Projects as PI (13) or as Co-PI (4) of FIS, CAM, UCM, MCINN.

Other merits related to research activity.

National evaluator ANEP, CAM, FIS. International evaluator EU (FP7), INTAS.

Director of a research group accredited by the UCM.

Member of the Editorial Board of the journal W. J. Gastroenterol and previously of Genes Immunity.

Member of the Board of Directors of the Spanish Society of Microbiota, Prebiotics and Probiotics.

Six-year research periods applied for and awarded: 6 out of 6 possible

#### 2.- Teaching activity.

Professor of Immunology 1988. More than 30 years of university teaching with criteria of excellence (voluntary evaluation of quality: very positive or excellent evaluations)

Virtualisation of teaching in Immunology at UCM since 2006.

Development of teaching material: Author of chapters in books on Medicine (Perezagua Clamagirand), Immunology (Celada, Arnaiz Villena), and Nutrition (SEPyP).

Teaching innovation projects: Collaborator in 5 funded teaching innovation projects.

Other merits related to teaching activity

Visiting Professor. Harvard Medical School. 2007/2008

Participation as a teacher in courses aimed at administrative and service staff, vocational training teachers, medical professionals.

Positions of responsibility in public university management.

Vice-Dean International Affairs of the Faculty of Medicine (Current position)

Deputy Director of the Dept. of Immunology, Ophthalmology and ENT. Until 2018

Academic Secretary of the Department of Microbiology I 2009- 2012

Coordinator of the Interfaculty Area of Immunology 2003 -2007.

Director of the UCM Central facility (CAI) Immunological Techniques 2001 - 2004

Member of the Postgraduate, Library and Teaching Commissions of the Faculty of Medicine.

Five-year teaching periods applied for and awarded: 6 out of 6 possible.

### **3.- Other professional merits**

Immunology Assistant (4 years) Hospital 12 de Octubre. (President of the Diagnostic Resources Commission; Member of the Central Quality Commission).

Specialist in Clinical Analysis (Immunology) by the COBCM.

Specialist in Immunology by the MECED

### **4.- Research training. Career development**

Over the past 5 years, our research group has successfully overseen the completion of more than 5 undergraduate and master's degree final projects and supervised five doctoral theses, and 2 more ongoing projects.

Past students from our laboratory are now in academia (I. Juárez, J. Palacio-Grüber) in research groups (N. Aguilera-Montilla, M. López-Santalla, N. Rodríguez-Pérez, C. Rodríguez Juan, N. Rodríguez-Rodríguez), in the industry (A. Aguinaga-Barrilero, I. Luque-Montoro) or in European Institutions (A. P. Valeri Lozano)

### **5.- Internationalisation**

Upon my return from the Prof. G. Tsokos (Rheumatology, Harvard School of Medicine, USA) I have established solid links with this institution, fostering exchange of students and co-directing three doctoral theses.

The cooperation with other institutions goes on, and we received reagents for this project from E. Carosella's laboratory (Paris, France) and one of the PhD students (Ch. Vaquero) will proceed to Professor Tsumoto's laboratory (Tokyo, Japan) for the development of specific nanobodies against HLA-G and the ILT2 receptor, relevant for this research project.

Moreover, the group has hosted international exchange students on short stays (IFMSA and Erasmus Traineeship Students). This project presents an opportunity to further enhance the training of visiting students of this nature.

### **6.- Industrial and intellectual property**

Registered industrial property title: Immortalisation of T lymphocytes of intestinal and gastric mucosa. Inventors/authors/obtainers: J. M. Martín Villa Entity owning the rights: UCM. Application No.: UCM107/BM. Country of registration: Madrid, Spain. Reg. date: 03/2001

## **Part C. RELEVANT ACCOMPLISHMENTS**

### **C.1. Most important publications in national or international peer-reviewed journals, books and conferences**

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper.** Corpas, Manuel; de Mendoza, Carmen; Moreno-Torres, Víctor; et al; Soriano, Vicente. 2023. Genetic signature detected in T cell receptors from patients with severe COVID-19. *iScience*. 26-10.
- 2 **Scientific paper.** Aguinaga-Barrilero, Ana; Juarez, Ignacio; Vaquero-Yuste, Christian; et al; Martín-Villa, José M. 2022. Higher prevalence of LAP+ (Latency TGFbeta-Associated Peptide) T cells at the tissue level in patients with early gastric cancer. *Cellular immunology*. 382, pp.104635-104635. ISBN 1090-2163.
- 3 **Scientific paper.** Arnaiz-Villena, A.; Suarez-Trujillo, F.; Juarez, I.; et al; Martín-Villa, J.M. 2022. Evolution and molecular interactions of major histocompatibility complex (MHC)-G, -E and -F genes. *Cellular and Molecular Life Sciences*. 79-8.
- 4 **Scientific paper.** Martín-Villa, José Manuel; Vaquero-Yuste, Christian; Molina-Alejandre, Marta; et al; others. 2022. HLA-G: Too Much or Too Little? Role in Cancer and Autoimmune Disease. *Frontiers in Immunology*. *Frontiers*. pp.67-67.
- 5 **Scientific paper.** Vaquero-Yuste, Christian; Juarez, Ignacio; Molina-Alejandre, Marta; et al; Martín-Villa, José Manuel. 2021. HLA-G 3'UTR Polymorphisms Are Linked to Susceptibility and Survival in Spanish Gastric Adenocarcinoma Patients. *Frontiers in Immunology*. 12, pp.3629-3629. ISSN 1664-3224.
- 6 **Scientific paper.** Juarez, Ignacio; Gutierrez, Alberto; Vaquero-Yuste, Christian; Molanes-Lopez, Elisa M.; Lopez, Adela; Lasa, Inmaculada; Gomez, Remedios; (8/8) Martín-Villa, José Manuel (AC). 2021. TGFB1 polymorphisms and TGF-beta 1 plasma levels identify gastric adenocarcinoma patients with lower survival rate and disseminated disease. *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*. 25-2, pp.774-783. ISSN 1582-1838. WOS (0)
- 7 **Scientific paper.** Juarez, Ignacio; Toro-Fernandez, Juan Francisco; Vaquero-Yuste, Christian; et al; Gutierrez, Alberto. 2021. A Reliable and Standardizable Differential PCR and qPCR Methodology Assesses HER2 Gene Amplification in Gastric Cancer. *Biology*. Multidisciplinary Digital Publishing Institute. 10-6, pp.516-516.
- 8 **Scientific paper.** Benedé-Ubieto, Raquel; Estévez-Vázquez, Olga; Guo, Feifei; et al; Nevzorova, Yulia A. 2021. An Experimental DUAL Model of Advanced Liver Damage. *Hepatology Communications*. 5-6, pp.1051 – 1068-1051 – 1068.
- 9 **Scientific paper.** Arnaiz-Villena, Antonio; Juarez, Ignacio; Suarez-Trujillo, Fabio; Lopez-Nares, Adrian; Vaquero, Christian; Palacio-Gruber, Jose; Martín-Villa, José M. 2020. HLA-G: Function, polymorphisms and pathology. *INTERNATIONAL JOURNAL OF IMMUNOGENETICS*. ISSN 1744-3121. WOS (0)
- 10 **Scientific paper.** Aguinaga-Barrilero, Ana; Castro-Sánchez, Patricia; Juárez, Ignacio; Gutiérrez-Calvo, Alberto; Rodríguez-Pérez, Noelia; Lopez, Adela; Gómez, Remedios; Martín-Villa, José M. 2020. Defects at the posttranscriptional level account for the low TCR $\zeta$  chain expression detected in gastric cancer independently of caspase-3 activity. *Journal of Immunology Research*. 2020.
- 11 **Scientific paper.** Arnaiz-Villena, A.; Palacio-Grüber, J.; Muñoz, E.; et al; Al-Qadi, R. 2017. Genetic HLA study of Kurds in Iraq, Iran and Tbilisi (Caucasus, Georgia): Relatedness and medical implications. *PLoS ONE*. 12-1, pp.e0169929.
- 12 **Scientific paper.** Márquez, A.; Cordero-Coma, M.; Martín-Villa, J.M.; et al; Martín, J. 2017. New insights into the genetic component of non-infectious uveitis through an Immunochip strategy. *Journal of Medical Genetics*. 54-1, pp.38-46.
- 13 **Scientific paper.** Rodríguez Rodríguez, N.; Apostolidis, SA.; Fitzgerald, L.; et al; Crispín, JC.; (6/9) Martín Villa, JM. 2016. Pro-inflammatory self-reactive T cells are found within murine TCR- $\alpha\beta$ (+) CD4(-) CD8(-) PD-1(+) cells. *European journal of immunology*. ISSN 1521-4141.
- 14 **Scientific paper.** Rodríguez Rodríguez, N.; Apostolidis, SA.; Penaloza MacMaster, P.; (4/7) Martín Villa, JM.; Barouch, DH.; Tsokos, GC.; Crispín, JC. 2015. Programmed cell death 1 and Helios distinguish TCR- $\alpha\beta$ (+) double-negative (CD4-CD8-) T cells that derive from self-reactive CD8 T cells. *Journal of immunology (Baltimore, Md. : 1950)*. 194-9, pp.4207-4221. ISSN 1550-6606.

## C.2. Conferences and meetings

- 1 Marta; Christian; Ignacio; et al; José Manuel. Estudio de los polimorfismos 14bp INS/DEL, +3142C/G, +3187A/G y +3196C/G del gen HLA-G en pacientes con uveítis. X Jornada SICAM. SICAM. 2022. Spain.
- 2 Christian; Marta; Ignacio; et al; José Manuel. LA VÍA HLA-G/ILT2 MODULA LA FUNCIÓN EFECTORA DE LOS LINFOCITOS T CD8 EN CÁNCER GÁSTRICO. X Jornada SICAM. SICAM. 2022. Spain.
- 3 Ignacio; Christian; Marta; Alberto; Adela; Inmaculada; Remedios; José Manuel. High expression of PD1 in CD8 T-lymphocytes, PDL1 and blood-tissue correlation in patients with gastric adenocarcinoma. 6th European Congress of Immunology. European Federation of Immunological Societies. 2021. Serbia.
- 4 Christian; Marta; Ignacio; et al; José Manuel. The HLA-G/ILT2 pathway modulates CD8 T cell effector function in gastric cancer. 6th European Congress of Immunology. European Federation of Immunological Societies. 2021. Serbia.
- 5 Marta Molina Alejandro; Christian Vaquero Yuste; Ignacio Juárez Martín-Delgado; et al; José Manuel Martín Villa. Estudio del polimorfismo 14pb INS/DEL de la región 3'UTR del gen HLA-G en pacientes con uveítis. 42 Congreso de la Sociedad Española de Inmunología. SOCIEDAD ESPAÑOLA DE INMUNOLOGIA. 2021. Spain.
- 6 Ignacio Juárez Martín-Delgado; Christian Vaquero Yuste; Marta Molina Alejandro; Alberto Gutiérrez Calvo; Adela López García; Inmaculada Lasa Unzue; Remedios Gómez Sanz; José Manuel Martín Villa Martín Villa. ALTA EXPRESIÓN DE PD1 EN LINFOCITOS T CD8, PDL1 Y CORRELACIÓN SANGRE-TEJIDO EN PACIENTES CON ADENOCARCINOMA GÁSTRICO. 42 Congreso de la Sociedad Española de Inmunología. SOCIEDAD ESPAÑOLA DE INMUNOLOGIA. 2021. Spain.

## C.3. Research projects and contracts

- 1 **Project.** HLA-G: CÁNCER GÁSTRICO Y SU EVOLUCIÓN. José Manuel Martín Villa. (Universidad Complutense de Madrid). 01/01/2019-31/12/2021. 124.630 €.
- 2 **Project.** CARACTERIZACIÓN DE LINFOCITOS T REGULADORES (Treg) CD4+LAP+ y CD8+ LAP+(Latency Associated Peptide) EN PACIENTES CON ADENOCARCINOMA GÁSTRICO.. MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD. JOSE MANUEL MARTIN VILLA. (Universidad Complutense de Madrid). 01/01/2013-31/12/2015. 49.000 €.
- 3 **Project.** Estudio de los componentes celulares T (Th1, Th2, Th17 y TReg) y regulación de la expresión de la cadena zeta del complejo CD3 en pacientes con adenocarcinoma gástrico.. MINISTERIO DE CIENCIA E INNOVACIÓN. JOSE MANUEL MARTIN VILLA. (Universidad Complutense de Madrid). 01/01/2010-31/12/2012. 94.380 €.
- 4 **Project.** Expresión de la cadena zeta del complejo CD3 del receptor de la célula T en pacientes con adenocarcinoma gástrico.. INSTITUTO DE SALUD CARLOS III. JOSE MANUEL MARTIN VILLA. 01/01/2006-31/12/2008. 47.600 €.