



María Pernas Escario

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

1. Contributions to the Generation of Knowledge

My research career covers clinical immunology, viral hepatitis, marine pathology, HIV epidemiology, viral evolution, and mechanisms of long-term viral control. I began in 1991 at Hospital Ramón y Cajal characterizing phagocytic function in hematological disorders. As a fellow at the Foundation for the Study of Viral Hepatitis (1992–1994), I identified a previously unreported hepatitis C virus variant, contributing to early knowledge of HCV diversity. I completed my PhD at the Institute of Marine Research (CSIC, 1999; Sobresaliente Cum Laude), developing immunological and molecular tools to differentiate *Marteilia* spp., advancing diagnostic capacity relevant to marine pathology and aquaculture.

Since 2000, I have worked in the Molecular Virology Group at the National Microbiology Centre (ISCIII), now as a Senior Specialist Technician within OPIS. My work has focused on mechanisms of HIV-1 pathogenesis, including elite control, dual infections, antiretroviral resistance, and viral evolution. I reported the first documented case of HIV-1 superinfection after 12 years of infection and identified a novel d4T resistance mutation. I have helped define viral and host determinants of long-term spontaneous control and contributed insights into reservoir dynamics and immune escape. I have authored 42 peer-reviewed publications, with 684 citations (Scopus), six in the top 25% most cited worldwide in the past decade. I have presented more than 50 communications at national and international conferences. I have participated in 14 competitive research projects, co-led the project Impact of HIV Envelope Function and Antigenicity in Elite Control (PI20CIII/00008), and served as PI of the competitive grant GLD22/00114 on determinants of protection against HIV-1 reinfection. Internationally, I contribute to the EU4H-2023-DGA-MS2-IBA initiative on in vitro diagnostic medical devices.

2. Development of Individuals and Teams

Training is central to my career. I have supervised 14 master's students, many now active in infectious-disease research. I get CAM funding for a laboratory technician in 2023, and I serve as faculty in the IMIENS-UNED-ISCIII Doctoral Programme, contributing to the mentoring and development of early-career scientists. My work has also supported multidisciplinary team capacity by integrating clinicians, immunologists, molecular biologists, and epidemiologists in collaborative HIV research.

3. Contributions to the Wider Research Community

I contributed to the creation of the LTNP and EC-RIS cohorts within the Spanish HIV Research Network and have been an active RIS member since 2007. I collaborate with the HIV Biobank by sharing env clones, developing standardized cloning protocols, and depositing viral sequences in international databases. I support national diagnostic capacity by supervising HIV and HTLV testing at CNM, implementing digital PCR and IPDA, and improving assays for HTLV-I/II and HIV-1/2. I provide diagnostic guidance to SNS professionals and have collaborated with Centro Sanitario Sandoval for over



15 years in the follow-up of elite controllers and studies on transmission under ART. I also contribute through peer review (JAIDS, Tropical Medicine & Infectious Diseases, Pathogens) and scientific dissemination activities.

4. Contributions to Society and Wider Impact

My early HCV findings improved diagnostic and epidemiological understanding of hepatitis C. My work on *Marteilia* spp. strengthened disease monitoring in marine species of ecological and economic importance. My contributions to the study of elite controllers, reservoir dynamics, viral fitness, and superinfection inform public-health strategies and future therapeutic approaches for HIV.

Personal Statement

My career is driven by a commitment to understanding host–virus interactions, long-term persistence, and natural viral control, and to translating interdisciplinary research into improved diagnostics, better patient outcomes, and stronger public-health systems.

General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

42 artículos, 38 publicaciones indexadas en WOS y 4 no indexadas. 38 enmarcadas en Objetivos de desarrollo Objetivo 3: Salud y Bienestar y Objetivo 5: Igualdad de Género

Según WOS: A lo largo de mi carrera : 41 artículos (Índice H =14) :622 citas totales, 20,1 citas/año. 16,34citas año/artículo

En los últimos 5 años: 11 artículos (Índice H= 5) 100 citas, 40 citas/año media, 9 citas año/ artículo

Según Scopus , 649 citas (Scopus), Tres documentos publicados en los últimos 5 años (27%) entre en el 25% de los documentos más citados en todo el mundo.

Citas ponderadas en el campo (FWC):

Durante toda la carrera: impacto medio 0.71. Nueve publicaciones con FWC superior a 1 , media de 2.02 (1- 3,67)

En los últimos 5 años impacto medio de 0,69. Tres documentos con Field-Weighted Citation superior a 1, media de 1,48 (1,12-1,94)

Métrica PlumX

En los últimos 5 años 105 citas, 246 capturas, 12 menciones en medios de comunicación social, 1 vez en un documento de 1 patente y 1 vez en un documento relacionado con Políticas de Salud.

A lo largo de mi carrera años 579 citas, 729 capturas, 78 menciones en medios de comunicación social, 4 veces en un documento de patentes y 1 vez en un documento relacionado con Políticas de Salud y 11 veces en Políticas de Sanidad Animal.

María Pernas Escario

Surname(s): **Pernas Escario**
Name: **María**
ORCID: **0000-0003-2966-0160**
ScopusID: **56630352900**
Contact aut. region/reg.: **Madrid, Comunidad de**

Current professional situation

Employing entity: Instituto de Salud Carlos III
Department: Virología Molecular, Instituto de Salud Carlos III
Professional category: Técnico Superior Especializado OPIS
Start date: 01/07/2022
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 240000 - Life Science
Secondary (UNESCO code): 242000 - Virology
Tertiary (UNESCO code): 242099 - Other (specify)
Identify key words: Molecular mechanism of disease; Cell culture; Virus cultivation; Virology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Instituto de Salud Carlos III	Titulado Superior en Actividades Técnicas y Profesionales	01/06/2007
2	Departamento de I+D de Biotherapix (grupo Genetrix)	Investigador Junior	11/2006
3	Centro Nacional Microbiología (Instituto de Salud Carlos III)	Titulado Superior en Actividades Técnicas y Profesionales	07/2003
4	Centro Nacional Microbiología (Instituto de Salud Carlos III)	Becario Posdoctoral	06/2000
5	Instituto Investigaciones Marinas (CSIC)	Becaria Predoctoral	08/1995
6	Servicio de Hepatología de la Fundación Jiménez Díaz	Becaria Predoctoral	03/1992
7	Servicio de Hematología del Hospital Ramón y Cajal	Asistente Voluntaria	03/1991

- 1 **Employing entity:** Instituto de Salud Carlos III **Type of entity:** Public Research Body
Professional category: Titulado Superior en Actividades Técnicas y Profesionales **Leadership and management (Y/N):** No
Start-End date: 01/06/2007 - 30/06/2022 **Duration:** 15 years
Type of contract: Temporary employment contract
Primary (UNESCO code): 242000 - Virology



- 2** **Employing entity:** Departamento de I+D de Biotherapix (grupo Genetrix) **Type of entity:** Business
Professional category: Investigador Junior
Start-End date: 11/2006 - 06/2007
Type of contract: Permanent employment contract
Dedication regime: Full time
- 3** **Employing entity:** Centro Nacional Microbiología (Instituto de Salud Carlos III)
Professional category: Titulado Superior en Actividades Técnicas y Profesionales
Start-End date: 07/2003 - 11/2006
- 4** **Employing entity:** Centro Nacional Microbiología (Instituto de Salud Carlos III)
Professional category: Becario Posdoctoral
Start-End date: 06/2000 - 06/2003
- 5** **Employing entity:** Instituto Investigaciones Marinas (CSIC)
Professional category: Becaria Predoctoral
Start-End date: 08/1995 - 12/1998
- 6** **Employing entity:** Servicio de Hepatología de la Fundación Jiménez Díaz
Professional category: Becaria Predoctoral
Start-End date: 03/1992 - 03/02/1995
- 7** **Employing entity:** Servicio de Hematología del Hospital Ramón y Cajal
Professional category: Asistente Voluntaria
Start-End date: 03/1991 - 03/1992



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Licenciada en Ciencias Biológicas

Degree awarding entity: Universidad Autónoma de Madrid **Type of entity:** University

Date of qualification: 01/09/1990

Doctorates

Doctorate programme: Doctor Biología Molecular

Degree awarding entity: Universidade de Santiago de Compostela **Type of entity:** University

Date of degree: 06/05/1999

Other postgraduate university studies

Postgraduate qualification: Experto Universitario Fundamentos para la Investigación del VIH

Degree awarding entity: Universidad de Elche **Type of entity:** University Department

Date of qualification: 01/07/2021

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English		C1	C1	C1	C1

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- Project title:** Caracterización biológica de la envoltura del virus de la Inmunodeficiencia humana tipo 1 (VIH-1) en individuos controladores de élite

Type of project: Trabajo Fin de Master

Entity: Universidad Complutense de Madrid **Type of entity:** University

Student: Francisco Javier Mingot Moreno

Date of reading: 12/09/2022



- 2** **Project title:** Evolución de la envoltura del VIH-1 tras la pérdida de control virológico en un paciente controlador de élite
Type of project: Trabajo Fin de Master
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Sara Francés Malmierca
Date of reading: 18/07/2022
- 3** **Project title:** Caracterización biológica de la proteína de la envoltura viral en pacientes repobladores y no repobladores
Type of project: Trabajo Fin de Master
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Joao Zulaica
Date of reading: 28/06/2021
- 4** **Project title:** Estudio de envueltas virales del VIH de virus obtenidos recientemente en comparación con virus de individuos infectados en años cercanos al inicio de la epidemia en España
Type of project: Trabajo Fin de Master
Entity: Universidad de Alcalá/ISCIII
Student: Cristina Aranda
Date of reading: 06/2019
- 5** **Project title:** Caracterización biológica del VIH en pacientes HSH con distinta evolución clínica
Type of project: Trabajo Fin de Master
Entity: Universidad de Alcalá/ISCIII
Student: Angel Cid
Date of reading: 06/2018
- 6** **Project title:** Estudio de factores virales asociados a la pérdida de fenotipo LNTP en un paciente infectado por el VIH-1
Type of project: Fin de Master
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Christian Andrade
Date of reading: 07/09/2017
- 7** **Project title:** Confirmación de dobles infecciones en pacientes infectados por el virus de la inmunodeficiencia humana
Type of project: Fin de Master
Entity: Universidad de Alcalá/ISCIII
Student: Yolanda Santos
Date of reading: 07/09/2016
- 8** **Project title:** ¿Está el VIH-1 evolucionando hacia una forma más virulenta?
Type of project: Fin de Master
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Texenery Santana
Date of reading: 05/09/2016
- 9** **Project title:** Estudio de la doble infección con el VIH-1 en una pareja de hombres que tienen sexo con hombres (HSH)
Type of project: Fin de Master
Entity: Universidad Complutense de Madrid **Type of entity:** University



Student: Susana Martínez Arias

Date of reading: 05/09/2015

- 10 Project title:** Contribución de los factores virales a la evolución de la infección en un paciente controlador doblemente infectado por VIH-1

Type of project: Fin de Master

Entity: Universidad de Alcalá/ISCIII

Student: Ana Moyano de las Muelas

Date of reading: 24/06/2015

- 11 Project title:** Estudio Viroológico de un paciente controlador doblemente infectado por el VIH1-

Type of project: Fin de Master

Entity: Universidad Complutense de Madrid

Type of entity: University

Student: Nuria Pedreño Lopez

Date of reading: 01/07/2014

Other teaching merits

Profesor del Programa de Doctorado en Ciencias Biomédicas y Salud Pública IMIENS-UNED-ISCIII

Healthcare experience

Courses and seminars given to healthcare professionals focused on improving medical care

- 1 Name of the course:** Iniciación al análisis de datos procedentes de secuenciación masiva (NGS)

Entity where project took place: Instituto de Salud Carlos III

Type of entity: Public Research Body

Start-End date: 03/11/2014 - 07/11/2014

- 2 Name of the course:** Phylodynamic of infectious agents

City organizing entity: Madrid, Spain

Entity where project took place: Instituto de Salud Carlos III

Type of entity: Public Research Body

Start-End date: 25/06/2012 - 26/06/2012

- 3 Name of the course:** Superior Certificate on Research Methodology

City organizing entity: Madrid, Spain

Entity where project took place: Fundación Formación Médica Colegial

Start-End date: 23/05/2011 - 15/05/2012

- 4 Name of the course:** 3D proteins molecular design

City organizing entity: Madrid, Spain

Entity where project took place: Instituto de Salud Carlos III

Type of entity: Public Research Body

Start-End date: 14/11/2011 - 16/11/2011



- 5** **Name of the course:** Tree phylogenetic reconstruction from DNA sequences
City organizing entity: Madrid, Spain
Entity where project took place: Instituto de Salud Carlos III
Type of entity: Public Research Body
Start-End date: 09/06/2011 - 04/07/2011
- 6** **Name of the course:** Writing scientific text in english
City organizing entity: Madrid, Spain
Entity where project took place: Instituto de Salud Carlos III
Type of entity: Public Research Body
Start-End date: 17/03/2009 - 26/04/2009
- 7** **Name of the course:** Analytic flow cytometry and data analysis
City organizing entity: Madrid, Spain
Entity where project took place: Instituto de Salud Carlos III
Type of entity: Public Research Body
Start-End date: 16/06/2008 - 25/06/2008
- 8** **Name of the course:** New techniques for sequencing and individual genomics
City organizing entity: Madrid, Spain
Entity where project took place: Instituto de Salud Carlos III
Type of entity: Public Research Body
Start-End date: 05/05/2008 - 09/05/2008
- 9** **Name of the course:** Practical course of clinical analysis
City organizing entity: Madrid, Spain
Entity where project took place: Colegio Oficial de Farmaceuticos de Madrid
Start-End date: 20/03/2000 - 14/03/2000
- 10** **Name of the course:** Food conservation: control, storage and distribution.
City organizing entity: Madrid, Spain
Entity where project took place: Colegio Oficial de Farmaceuticos de Madrid
Start-End date: 01/06/1999 - 14/09/1999

Other activities/achievements not included above

- 1** **Other relevant activities:** Member of RED DE SIDA
- 2** **Other relevant activities:** asesoramiento científico-técnico para fundamentar la toma de decisiones en tecnologías sanitarias y servicios de salud en el Sistema Nacional de Salud.



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Hacia una Cura Funcional: Implicaciones de la terapia antiretroviral temprana y los cambios hormonales sobre el reservorio del VIH en Adolescentes infectados perinatalmente.
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City of entity: Madrid, Madrid, Comunidad de, Spain
Start-End date: 01/01/2026 - 31/01/2029
Total amount: 70.000 €
- 2** **Name of the project:** Direct grant to EU reference laboratories for the Union contribution on in vitro diagnostic medical devices
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Funding entity or bodies:
Unión Europea EU4H-2023-DGA-MS2-IBA
Start-End date: 01/02/2024 - 31/01/2025
- 3** **Name of the project:** Determination of factors associated with protection against Human Immunodeficiency Virus type 1 Reinfection: Identification of protection correlates.
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): Pernas Escario
Nº of researchers: 3
Funding entity or bodies:
Gilead Sciences, S.L. **Type of entity:** Business
Type of participation: Principal investigator
Name of the programme: Investigación Biomédica en VIH, COVID-19, Hepatitis Virales C y Delta, Infección Fúngica Invasora y Linfomas de Estirpe B y Oncología Médica,
Code according to the funding entity: GLD22/00114
Start-End date: 01/01/2023 - 31/12/2024
Total amount: 16.330 €
- 4** **Name of the project:** Impacto de la envuelta en la replicación viral del VIH: Nuevas vías para el desarrollo de vacunas
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Funding entity or bodies:
Instituto de Salud Carlos III **Type of entity:** Public Research Body
Type of participation: Principal investigator



Start-End date: 01/01/2020 - 31/12/2023

5 Name of the project: RED DE SIDA MPY MPY 1333/16

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

Type of participation: Team member

Start-End date: 01/01/2017 - 31/12/2021

Dedication regime: Full time

6 Name of the project: Estudio de la virulencia del VIH-1 en paciente recién infectados y de su contribución junto a factores clínico-epidemiológicos a la progresión clínica

Degree of contribution: Researcher

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Name principal investigator (PI, Co-PI....): Cecilio López-Galíndez

Funding entity or bodies:

CENTRO DE ACUSTICA APLICADA Y
EVALUACION NO DESTRUCTIVA

Type of entity: Associations and Groups

Ministerio de Economía y Competitividad

Type of participation: Team member

Start-End date: 30/12/2016 - 30/12/2020

Total amount: 145.200 €

7 Name of the project: CONTRIBUCION DE LA DOBLE INFECCIÓN CON EL VIH-1 A LA EVOLUCIÓN VIROLÓGICA Y CLÍNICA EN HOMBRES HOMO/BISEXUALES

Degree of contribution: Researcher

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Nº of researchers: 4

Funding entity or bodies:

Instituto de Salud Carlos III - FIS

Type of entity: Public Research Body

Type of participation: Team member

Code according to the funding entity: PI13/02269

Start-End date: 01/01/2014 - 31/12/2016

8 Name of the project: RED DE SIDA MPY 1384/12

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

Type of participation: Team member

Start-End date: 01/01/2013 - 31/12/2016

Dedication regime: Full time



- 9** **Name of the project:** RED de Investigación en SIDA MPY 1019/07
Type of project: Basic research (including archaeological digs, etc)
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Funding entity or bodies: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Type of participation: Team member
Start-End date: 01/01/2007 - 31/12/2014
Dedication regime: Full time
- 10** **Name of the project:** CARACTERIZACION DE VARIANTES NO PATOGENICOS DEL VIH OBTENIDOS "EX VIVO" E "IN VITRO" PARA EL ESTUDIO DE LA PATOGENIA DE LA INFECCION
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Funding entity or bodies: MICINN
Type of participation: Team member
Code according to the funding entity: SAF2010-17226
Start-End date: 31/12/2010 - 30/04/2014 **Duration:** 2 years
- 11** **Name of the project:** ESTUDIO DE LAS MUTACIONES ASOCIADAS CON LA PÉRDIDA Y RECUPERACIÓN DE LA EFICACIA BIOLÓGICA EN VIRUS DEBILITADOS DEL VIH-1 "IN VITRO"
Degree of contribution: Researcher
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Funding entity or bodies: FIPSE
Type of participation: Team member
Code according to the funding entity: Contrato 36641/07
Start-End date: 01/01/2007 - 31/12/2010 **Duration:** 3 years - 11 months
Total amount: 112,89 €
- 12** **Name of the project:** Papel de las mutaciones de resistencia a antiretrovirales no análogos de nucleótidos en la eficacia biológica del VIH-1
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Funding entity or bodies: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Madrid, Comunidad de, Spain
Type of participation: Team member
Start-End date: 01/01/2001 - 31/12/2003
- 13** **Name of the project:** Estudio de cuantificación de las formas de DNA viral integradas y no integradas del VIH-1 en pacientes: implicaciones en persistencia y patogenia
Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Funding entity or bodies: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Madrid, Comunidad de, Spain
Type of participation: Team member



Start-End date: 01/01/2000 - 31/12/2002

- 14 Name of the project:** Evolución del VIH en pacientes que reciben terapia antiretroviral altamente potente. Orientaciones para la implantación de terapias para el mantenimiento de cargas virales bajas

Type of project: Basic research (including archaeological digs, etc)

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Type of participation: Team member

Start-End date: 01/01/2000 - 31/12/2002

- 15 Name of the project:** Diferenciación de las especies de *Marteilia* presentes en los moluscos bivalvos de interés comercial mediante técnicas de biología molecular y preparación de una sonda de ADN para su diagnosis

Entity where project took place: Instituto de Investigaciones Marinas

Type of entity: State agency

City of entity: Vigo, Galicia, Spain

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Body, others

Type of participation: Team member

Start-End date: 01/01/1996 - 31/12/1997

- 16 Name of the project:** Elaboración de un mapa zoonosológico de las enfermedades más importantes que afectan a los moluscos del litoral de Galicia

Entity where project took place: Instituto de Investigaciones Marinas

Type of entity: State agency

Funding entity or bodies:

Consellería de Pesca e Asuntos Marítimos

Type of entity: 0

City funding entity: Santiago de Compostela, Galicia, Spain

Type of participation: Team member

Start-End date: 01/01/1995 - 31/12/1996

- 17 Name of the project:** Estudio de la transmisión de *Marteilia* y *Bonamia* de moluscos bivalvos europeos

Entity where project took place: Instituto de Investigaciones Marinas

Type of entity: State agency

Type of participation: Team member

Start-End date: 01/01/1995 - 31/12/1996



Results

Results derived from specialized and transfer activities, not included in previous sections

Description: Diagnóstico Avanzado: Implementación PCR digital para la cuantificación del VIH

Degree of contribution: Scientific coordinator

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- Valenzuela-Fernandez, Agustin; Cabrera-Rodriguez, Romina; Casado, Concha; Perez-Yanes, Silvia; Pernas, Maria; Garcia-Luis, Jonay; Marfil, Silvia; Olivares, Isabel; Estevez-Herrera, Judith; Trujillo-Gonzalez, Rodrigo; Blanco, Julia; Lopez-Galindez, Cecilio. Contribution of the HIV-1 Envelope Glycoprotein to AIDS Pathogenesis and Clinical Progression. BIOMEDICINES. 10 - 9, 01/09/2022. ISSN 2227-9059

DOI: 10.3390/biomedicines10092172

Type of production: Scientific paper

Format: Journal

Position of signature: 5

Total no. authors: 12

Corresponding author: No

Source of citations: WOS

Citations: 4

Source of citations: SCOPUS

Citations: 4

- Cabrera-Rodriguez, Romina; Perez-Yanes, Silvia; Montelongo, Rafaela; Lorenzo-Salazar, Jose M.; Estevez-Herrera, Judith; Garcia-Luis, Jonay; Inigo-Campos, Antonio; Rubio-Rodriguez, Luis A.; Munoz-Barrera, Adrian; Trujillo-Gonzalez, Rodrigo; Dorta-Guerra, Roberto; Casado, Concha; Pernas, Maria; Blanco, Julia; Flores, Carlos; Valenzuela-Fernandez, Agustin. Transactive Response DNA-Binding Protein (TARDBP/TDP-43) Regulates Cell Permissivity to HIV-1 Infection by Acting on HDAC6. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 23 - 11, MDPI, 01/06/2022. ISSN 1422-0067

DOI: 10.3390/ijms23116180.

Type of production: Scientific paper

Format: Journal

Position of signature: 13

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 17

Corresponding author: No

Source of citations: WOS

Citations: 11

Source of citations: SCOPUS

Citations: 11

- Moyano, Ana; Blanch-Lombarte, Oscar; Tarancon-Diez, Laura; Pedreno-Lopez, Nuria; Arenas, Miguel; Alvaro, Tamara; Casado, Concepcion; Olivares, Isabel; Vera, Mar; Rodriguez, Carmen; del Romero, Jorge; Lopez-Galindez, Cecilio; Ruiz-Mateos, Ezequiel; Prado, Julia G.; Pernas, Maria. Immunoescape of HIV-1 in Env-EL9 CD8+T cell response restricted by HLA-B*14:02 in a Non progressor who lost twenty-seven years of HIV-1 control. RETROVIROLOGY. 19 - 1, BMC, 26/03/2022. ISSN 1742-4690

DOI: 10.1186/s12977-022-00591-7

**Type of production:** Scientific paper**Position of signature:** 15**Total no. authors:** 15**Source of citations:** WOS**Source of citations:** SCOPUS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Citations:** 7**Citations:** 5

- 4** Perez-Yanes, Silvia; Pernas, Maria; Marfil, Silvia; Cabrera-Rodriguez, Romina; Ortiz, Raquel; Urrea, Victor; Roviroso, Carla; Estevez-Herrera, Judith; Olivares, Isabel; Casado, Concepcion; Lopez-Galindez, Cecilio; Blanco, Julia; Valenzuela-Fernandez, Agustin. The Characteristics of the HIV-1 Env Glycoprotein Are Linked With Viral Pathogenesis. FRONTIERS IN MICROBIOLOGY. 13, FRONTIERS MEDIA SA, 24/03/2022. ISSN 1664-302X

DOI: 10.3389/fmicb.2022.763039**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 13**Source of citations:** WOS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Citations:** 9

- 5** Beltran-Pavez, Carolina; Bontjer, Ilja; Gonzalez, Nuria; Pernas, Maria; Merino-Mansilla, Alberto; Olvera, Alex; Miro, Jose M.; Brander, Christian; Alcamí, Jose; Sanders, Rogier W.; Sanchez-Merino, Victor; Yuste, Eloisa. Potent Induction of Envelope-Specific Antibody Responses by Virus-Like Particle Immunogens Based on HIV-1 Envelopes from Patients with Early Broadly Neutralizing Responses. JOURNAL OF VIROLOGY. 96 - 1, AMER SOC MICROBIOLOGY, 01/01/2022. ISSN 1098-5514

DOI: 10.1128/JVI.01343-21**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 12**Source of citations:** WOS**Source of citations:** SCOPUS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Citations:** 8**Citations:** 7

- 6** Colomer-Lluch, Marta; Kilpelainen, Athina; Pernas, Maria; Pena, Ruth; Ouchi, Dan; Jimenez-Moyano, Esther; Dalmau, Judith; Casado, Concepcion; Lopez-Galindez, Cecilio; Clotet, Bonaventura; Martinez-Picado, Javier; Prado, Julia G.. Viral and Cellular Factors Leading to the Loss of CD4 Homeostasis in HIV-1 Viremic Nonprogressors. JOURNAL OF VIROLOGY. 96 - 1, AMER SOC MICROBIOLOGY, 01/01/2022. ISSN 1098-5514

DOI: 10.1128/JVI.01499-21**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 12**Source of citations:** WOS**Source of citations:** SCOPUS**Format:** Journal**Citations:** 4**Citations:** 3

- 7** Dominguez-Molina, Beatriz; Tarancon-Diez, Laura; Milanes-Guisado, Yusnelkis; Genebat, Miguel; Resino, Salvador; Rodriguez, Carmen; Gonzalez-Garcia, Juan; Rallon, Norma; Pernas, Maria; Casado, Concepcion; Lopez-Galindez, Cecilio; Leon, Agathe; Benito, Jose M.; Garcia, Felipe; Del Romero, Jorge; Viciano, Pompeyo; Lopez-Cortes, Luis F.; Leal, Manuel; Ruiz-Mateos, Ezequiel; ECRIS Integrated Spanish AIDS Res. Persistent HIV-controllers are more prone to spontaneously clear HCV: a retrospective cohort study. JOURNAL OF THE INTERNATIONAL AIDS SOCIETY. 23 - 9, JOHN WILEY & SONS LTD, 01/09/2020. ISSN 1758-2652

DOI: 10.1002/jia2.25607**Type of production:** Scientific paper**Format:** Journal

**Position of signature:** 9**Total no. authors:** 20**Impact source:** WOS (JCR)**Impact index in year of publication:** 5.396**Position of publication:** 15**Impact source:** WOS (JCR)**Impact index in year of publication:** 5.396**Position of publication:** 53**Source of citations:** WOS**Source of citations:** SCOPUS**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - INFECTIOUS DISEASES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 93**Category:** Science Edition - IMMUNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 162**Citations:** 2**Citations:** 2

- 8** Casado, Concepcion; Pernas, Maria; Rava, Marta; Ayerdi, Oskar; Vera, Mar; Alenda, Raquel; Jimenez, Pilar; Docando, Felix; Olivares, Isabel; Zaballos, Angel; Luis Vicario, Jose; Rodriguez, Carmen; Del Romero, Jorge; Lopez-Galindez, Cecilio. High-Risk Sexual Practices Contribute to HIV-1 Double Infection Among Men Who Have Sex with Men in Madrid. AIDS RESEARCH AND HUMAN RETROVIRUSES. 36 - 11, pp. 896 - 904. MARY ANN LIEBERT, INC, 19/08/2020. ISSN 0889-2229

DOI: 10.1089/AID.2020.0068**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 14**Impact source:** WOS (JCR)**Impact index in year of publication:** 2.205**Position of publication:** 142**Impact source:** WOS (JCR)**Impact index in year of publication:** 2.205**Position of publication:** 31**Impact source:** WOS (JCR)**Impact index in year of publication:** 2.205**Position of publication:** 75**Source of citations:** WOS**Source of citations:** SCOPUS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - IMMUNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 162**Category:** Science Edition - VIROLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 37**Category:** Science Edition - INFECTIOUS DISEASES**Journal in the top 25%:** No**No. of journals in the cat.:** 93**Citations:** 2**Citations:** 3

- 9** Casado, Concepcion; Galvez, Cristina; Pernas, Maria; Tarancon-Diez, Laura; Rodriguez, Carmen; Sanchez-Merino, Victor; Vera, Mar; Olivares, Isabel; De Pablo-Bernal, Rebeca; Merino-Mansilla, Alberto; Del Romero, Jorge; Lorenzo-Redondo, Ramon; Ruiz-Mateos, Ezequiel; Salgado, Maria; Martinez-Picado, Javier; Lopez-Galindez, Cecilio. Permanent control of HIV-1 pathogenesis in exceptional elite controllers: a model of spontaneous cure. SCIENTIFIC REPORTS. 10 - 1, NATURE PUBLISHING GROUP, 05/02/2020. ISSN 2045-2322

DOI: 10.1038/s41598-020-58696-y**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 16**Impact source:** WOS (JCR)**Impact index in year of publication:** 4.38**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Journal in the top 25%:** Yes

**Position of publication:** 17**Source of citations:** WOS**Source of citations:** SCOPUS**No. of journals in the cat.:** 72**Citations:** 63**Citations:** 54

- 10** Docando, Felix; Casado, Concepcion; Pernas, Maria; Mota-Biosca, Anna; Lopez-Galindez, Cecilio; Olivares, Isabel. Characterizing the antiviral effect of an ATR inhibitor on human immunodeficiency virus type 1 replication. ARCHIVES OF VIROLOGY. 165 - 3, pp. 683 - 690. SPRINGER WIEN, 30/01/2020. ISSN 0304-8608

DOI: 10.1007/s00705-020-04531-8**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 6**Impact source:** WOS (JCR)**Category:** Science Edition - VIROLOGY**Impact index in year of publication:** 2.574**Journal in the top 25%:** No**Position of publication:** 26**No. of journals in the cat.:** 37**Source of citations:** WOS**Citations:** 0

- 11** Diez-Fuertes, F.; De La Torre-Tarazona, H. E.; Calonge, E.; Pernas, M.; Bermejo, M.; Garcia-Perez, J.; Alvarez, A.; Capa, L.; Garcia-Garcia, F.; Saumoy, M.; Riera, M.; Boland-Auge, A.; Lopez-Galindez, C.; Lathrop, M.; Dopazo, J.; Sakuntabhai, A.; Alcamí, J.. Association of a single nucleotide polymorphism in the ubxn6 gene with long-term non-progression phenotype in HIV-positive individuals. CLINICAL MICROBIOLOGY AND INFECTION. 26 - 1, pp. 107 - 114. ELSEVIER SCI LTD, 01/01/2020. ISSN 1469-0691

DOI: 10.1016/j.cmi.2019.05.015**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 4**Total no. authors:** 17**Impact source:** WOS (JCR)**Category:** Science Edition - MICROBIOLOGY**Impact index in year of publication:** 8.067**Journal in the top 25%:** Yes**Position of publication:** 13**No. of journals in the cat.:** 136**Impact source:** WOS (JCR)**Category:** Science Edition - INFECTIOUS DISEASES**Impact index in year of publication:** 8.067**Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 93**Source of citations:** WOS**Citations:** 3**Source of citations:** SCOPUS**Citations:** 3

- 12** Diez-Fuertes, Francisco; Erick De La Torre-Tarazona, Humberto; Calonge, Esther; Pernas, Maria; del Mar Alonso-Socas, Maria; Capa, Laura; Garcia-Perez, Javier; Sakuntabhai, Anavaj; Alcamí, Jose. Transcriptome Sequencing of Peripheral Blood Mononuclear Cells from Elite Controller-Long Term Non Progressors. SCIENTIFIC REPORTS. 9, NATURE PUBLISHING GROUP, 03/10/2019. ISSN 2045-2322

DOI: 10.1038/s41598-019-50642-x**Type of production:** Scientific paper**Format:** Journal**Impact source:** WOS (JCR)**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Impact index in year of publication:** 3.998**Journal in the top 25%:** Yes**Position of publication:** 17**No. of journals in the cat.:** 71**Source of citations:** WOS**Citations:** 9

- 13** Ruiz-de-Leon, Maria J.; Jimenez-Sousa, Maria A.; Moreno, Santiago; Garcia, Marcial; Gutierrez-Rivas, Monica; Leon, Agathe; Montero-Alonso, Marta; Gonzalez-Garcia, Juan; Resino, Salvador; Rallon, Norma; Benito, Jose M.; Vallejo, Alejandro; Benito, J. M.; Ratlon, N.; Restrepo, C.; Rodriguez, N.; Garcia, M.; Cabello, A.; Gorgolas, M.; Resino, S.; Briz, V.; Jimenez, M. A.; Vazquez, M. S.; Fernandez, A.; Garcia, P.; Munoz, M. A.; Sanchez, J.; Jimenez, J. L.; Sepulveda, D.; Garcia, I.; Consuegra, I.; Leon, A.; Arnedo, M.; Plana, M.; Climent, N.; Garcia, F.; Ruiz-Mateos, E.; Dominguez, B.; Tarancon, L.; Rafii-Elddrissi, M.; Polaino, M. J.; Genebat, M.; Viciano, P.; Leal, M.; Vidal, F.; Rodriguez, E.; Vilades, C.; Peraire, J.; Romero, J.; Rodriguez, C.; Vera, M.; Este, J.; Ballana, E.; Martinez, M. A.; Franco, S.; Nevot, M.; Vallejo, A.; Moreno, S.; Pernas, M.; Casado, C.; Lopez, C.; Capa, L.; Perez, M.; Alcamí, J.; Sanjuan, R.; Cuevas, J. M.; Delgado, R.; Sierra, O.; ECRIS Network Integrated Spanish A. Lower expression of plasma-derived exosome miR-21 levels in HIV-1 elite controllers with decreasing CD4 T cell count. JOURNAL OF MICROBIOLOGY IMMUNOLOGY AND INFECTION. 52 - 4, pp. 667 - 671. ELSEVIER TAIWAN, 01/08/2019. ISSN 1995-9133

DOI: 10.1016/j.jmii.2018.07.007

Type of production: Scientific paper

Position of signature: 59

Total no. authors: 69

Impact source: WOS (JCR)

Impact index in year of publication: 3.493

Position of publication: 33

Impact source: WOS (JCR)

Impact index in year of publication: 3.493

Position of publication: 48

Impact source: WOS (JCR)

Impact index in year of publication: 3.493

Position of publication: 78

Source of citations: WOS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - INFECTIOUS DISEASES

Journal in the top 25%: No

No. of journals in the cat.: 92

Category: Science Edition - MICROBIOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 136

Category: Science Edition - IMMUNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 159

Citations: 7

- 14** Cabrera-Rodriguez, Romina; Hebmman, Veronique; Marfil, Silvia; Pernas, Maria; Marrero-Hernandez, Sara; Cabrera, Cecilia; Urrea, Victor; Casado, Concepcion; Olivares, Isabel; Marquez-Arce, Daniel; Perez-Yanes, Silvia; Estevez-Herrera, Judith; Clotet, Bonaventura; Espert, Lucile; Lopez-Galindez, Cecilio; Biard-Piechaczyk, Martine; Valenzuela-Fernandez, Agustin; Blanco, Julia. HIV-1 envelope glycoproteins isolated from Viremic Non-Progressor individuals are fully functional and cytopathic. SCIENTIFIC REPORTS. 9, NATURE PUBLISHING GROUP, 03/04/2019. ISSN 2045-2322

DOI: 10.1038/s41598-019-42075-3.

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 18

Impact source: WOS (JCR)

Impact index in year of publication: 3.998

Position of publication: 17

Source of citations: WOS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - MULTIDISCIPLINARY SCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 71

Citations: 10

- 15** Pernas, Maria; Tarancon-Diez, Laura; Rodriguez-Gallego, Esther; Gomez, Josep; Prado, Julia G.; Casado, Concepcion; Dominguez-Molina, Beatriz; Olivares, Isabel; Coiras, Maite; Leon, Agathe; Rodriguez, Carmen; Benito, Jose Miguel; Rallon, Norma; Plana, Montserrat; Martinez-Madrid, Onofre; Dapena, Marta; Iribarren, Jose Antonio; del Romero, Jorge; Garcia, Felipe; Alcamí, Jose; Munoz-Fernandez, MaAngeles; Vidal, Francisco; Leal, Manuel; Lopez-Galindez, Cecilio; Ruiz-Mateos, Ezequiel; ECRIS Integrated Spanish AIDS Res. Factors Leading to the



Loss of Natural Elite Control of HIV-1 Infection. JOURNAL OF VIROLOGY. 92 - 5, AMER SOC MICROBIOLOGY, 01/03/2018. ISSN 1098-5514

DOI: 10.1128/JVI.01805-17

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 26

Impact source: WOS (JCR)

Impact index in year of publication: 4.324

Position of publication: 8

Source of citations: WOS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - VIROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 36

Citations: 40

- 16** Casado, Concepcion; Marrero-Hernandez, Sara; Marquez-Arce, Daniel; Pernas, Maria; Marfil, Silvia; Borrás-Granana, Ferran; Olivares, Isabel; Cabrera-Rodriguez, Romina; Valera, Maria-Soledad; de Armas-Rillo, Laura; Lemey, Philippe; Blanco, Julia; Valenzuela-Fernandez, Agustin; Lopez-Galindez, Cecilio. Viral Characteristics Associated with the Clinical Nonprogressor Phenotype Are Inherited by Viruses from a Cluster of HIV-1 Elite Controllers. MBIO. 9 - 2, AMER SOC MICROBIOLOGY, 01/03/2018. ISSN 2150-7511

DOI: 10.1128/mBio.02338-17

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 14

Impact source: WOS (JCR)

Impact index in year of publication: 6.747

Position of publication: 14

Source of citations: WOS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - MICROBIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 133

Citations: 25

- 17** Martin, Veronica; Perales, Celia; Fernandez-Algar, Maria; Dos Santos, Helena G.; Garrido, Patricia; Pernas, Maria; Parro, Victor; Moreno, Miguel; Garcia-perez, Javier; Alcamí, Jose; Luis Toran, Jose; Abia, David; Domingo, Esteban; Briones, Carlos. An Efficient Microarray-Based Genotyping Platform for the Identification of Drug-Resistance Mutations in Majority and Minority Subpopulations of HIV-1 Quasispecies. PLOS ONE. 11 - 12, PUBLIC LIBRARY SCIENCE, 13/12/2016. ISSN 1932-6203

DOI: 10.1371/journal.pone.0166902.

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 14

Impact source: WOS (JCR)

Impact index in year of publication: 2.806

Position of publication: 15

Source of citations: WOS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - MULTIDISCIPLINARY SCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 64

Citations: 5

- 18** Pernas, Maria; Sanchez-Merino, Victor; Casado, Concepcion; Merino-Mansilla, Alberto; Olivares, Isabel; Yuste, Eloisa; Lopez-Galindez, Cecilio. HIV-1 Dual Infected LTNP-EC Patients Developed an Unexpected Antibody Cross-Neutralizing Activity. PLOS ONE. 10 - 8, PUBLIC LIBRARY SCIENCE, 10/08/2015. ISSN 1932-6203

DOI: 10.1371/journal.pone.0134054

Type of production: Scientific paper

Position of signature: 1

Format: Journal

**Total no. authors:** 7**Impact source:** WOS (JCR)**Impact index in year of publication:** 3.057**Position of publication:** 11**Source of citations:** WOS**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 63**Citations:** 5

- 19** Egana-Gorrone, Lander; Escriba, Tuixent; Boulanger, Nicolas; Crespo Guardo, Alberto; Leon, Agathe; Enric Bargallo, Manel; Garcia, Felipe; Maria Gatell, Jose; Plana, Montserrat; Arnedo, Mireia; AIDS Spanish Network. Differential MicroRNA Expression Profile between Stimulated PBMCs from HIV-1 Infected Elite Controllers and Viremic Progressors. PLOS ONE. 9 - 9, PUBLIC LIBRARY SCIENCE, 16/09/2014. ISSN 1932-6203

DOI: 10.1371/journal.pone.0106360.**Type of production:** Scientific paper**Position of signature:** 11**Total no. authors:** 11**Impact source:** WOS (JCR)**Impact index in year of publication:** 3.234**Position of publication:** 9**Source of citations:** WOS**Format:** Journal**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57**Citations:** 41

- 20** Pernas, Maria; Casado, Concepcion; Sandonis, Virginia; Arcones, Carolina; Rodriguez, Carmen; Ruiz-Mateos, Ezequiel; de Arellano, Eva Ramirez; Rallon, Norma; Del Val, Margarita; Grau, Eulalia; Lopez-Vazquez, Mariola; Leal, Manuel; Del Romero, Jorge; Lopez Galindez, Cecilio. Prevalence of HIV-1 Dual Infection in Long-Term Nonprogressor-Elite Controllers. JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES. 64 - 3, pp. 225 - 231. LIPPINCOTT WILLIAMS & WILKINS, 01/11/2013. ISSN 1525-4135

DOI: 10.1097/QAI.0b013e31829bdc85.**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 14**Impact source:** WOS (JCR)**Impact index in year of publication:** 4.394**Position of publication:** 10**Impact source:** WOS (JCR)**Impact index in year of publication:** 4.394**Position of publication:** 30**Impact source:** SCOPUS (SJR)**Source of citations:** WOS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - INFECTIOUS DISEASES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 72**Category:** Science Edition - IMMUNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 144**Citations:** 8

- 21** Casado, Concepcion; Pernas, Maria; Sandonis, Virginia; Alvaro-Cifuentes, Tamara; Olivares, Isabel; Fuentes, Rosa; Martinez-Prats, Lorena; Grau, Eulalia; Ruiz, Lidia; Delgado, Rafael; Rodriguez, Carmen; del Romero, Jorge; Lopez-Galindez, Cecilio. Identification of a Cluster of HIV-1 Controllers Infected with Low Replicating Viruses. PLOS ONE. 8 - 10, PUBLIC LIBRARY SCIENCE, 30/10/2013. ISSN 1932-6203

DOI: 10.1371/journal.pone.0077663.**Type of production:** Scientific paper**Format:** Journal

Position of signature: 2

Total no. authors: 13

Impact source: WOS (JCR)

Impact index in year of publication: 3.534

Position of publication: 8

Source of citations: WOS

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - MULTIDISCIPLINARY SCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 55

Citations: 16

- 22** Machmach, Kawthar; Abad-Molina, Christina; Romero-Sanchez, Maria C.; Abad, Maria A.; Ferrando-Martinez, Sara; Genebat, Miguel; Pulido, Ildefonso; Viciano, Pompeyo; Gonzalez-Escribano, Maria F.; Leal, Manuel; Ruiz-Mateos, Ezequiel; HIV Controllers Consortium AIDS Sp. IL28B Single-Nucleotide Polymorphism rs12979860 Is Associated With Spontaneous HIV Control in White Subjects. JOURNAL OF INFECTIOUS DISEASES. 207 - 4, pp. 651 - 655. OXFORD UNIV PRESS INC, 15/02/2013. ISSN 0022-1899

DOI: 10.1093/infdis/jis717

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 12

Impact source: WOS (JCR)

Impact index in year of publication: 5.778

Position of publication: 16

Impact source: WOS (JCR)

Impact index in year of publication: 5.778

Position of publication: 22

Impact source: WOS (JCR)

Impact index in year of publication: 5.778

Position of publication: 5

Source of citations: WOS

Format: Journal

Category: Science Edition - MICROBIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 119

Category: Science Edition - IMMUNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 144

Category: Science Edition - INFECTIOUS DISEASES

Journal in the top 25%: Yes

No. of journals in the cat.: 72

Citations: 19

- 23** Pernas, Maria; Casado, Concepcion; Arcones, Carolina; Llano, Anuska; Sanchez-Merino, Victor; Mothe, Beatriz; Vicario, Jose L.; Grau, Eulalia; Ruiz, Lidia; Sanchez, Jorge; Telenti, Amalio; Yuste, Eloisa; Brander, Christian; Lopez-Galindez, Cecilio. Low-Replicating Viruses and Strong Anti-Viral Immune Response Associated with Prolonged Disease Control in a Superinfected HIV-1 LTNP Elite Controller. PLOS ONE. 7 - 2, PUBLIC LIBRARY SCIENCE, 24/02/2012. ISSN 1932-6203

DOI: 10.1371/journal.pone.0031928

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 14

Impact source: WOS (JCR)

Impact index in year of publication: 3.73

Position of publication: 7

Source of citations: WOS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - MULTIDISCIPLINARY SCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 56

Citations: 21



- 24** Curriu, Marta; Fausther-Bovendo, Hughes; Pernas, Maria; Massanella, Marta; Carrillo, Jorge; Cabrera, Cecilia; Lopez-Galindez, Cecilio; Clotet, Bonaventura; Debre, Patrice; Vieillard, Vincent; Blanco, Julia. Viremic HIV Infected Individuals with High CD4 T Cells and Functional Envelope Proteins Show Anti-gp41 Antibodies with Unique Specificity and Function. PLOS ONE. 7 - 2, PUBLIC LIBRARY SCIENCE, 01/02/2012. ISSN 1932-6203
DOI: 10.1371/journal.pone.0030330
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 11
Impact source: WOS (JCR) **Category:** Science Edition - MULTIDISCIPLINARY SCIENCES
Impact index in year of publication: 3.73 **Journal in the top 25%:** Yes
Position of publication: 7 **No. of journals in the cat.:** 56
Source of citations: WOS **Citations:** 11
- 25** Borderia, Antonio V.; Lorenzo-Redondo, Ramon; Pernas, Maria; Casado, Concepcion; Alvaro, Tamara; Domingo, Esteban; Lopez-Galindez, Cecilio. Initial Fitness Recovery of HIV-1 Is Associated with Quasispecies Heterogeneity and Can Occur without Modifications in the Consensus Sequence. PLOS ONE. 5 - 4, PUBLIC LIBRARY SCIENCE, 26/04/2010. ISSN 1932-6203
DOI: 10.1371/journal.pone.0010319.
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 7
Impact source: WOS (JCR) **Category:** Science Edition - BIOLOGY
Impact index in year of publication: 4.411 **Journal in the top 25%:** Yes
Position of publication: 12 **No. of journals in the cat.:** 86
Source of citations: WOS **Citations:** 24
- 26** Sandonis, Virginia; Casado, Concepcion; Alvaro, Tamara; Pernas, Maria; Olivares, Isabel; Garcia, Soledad; Rodriguez, Carmen; del Romero, Jorge; Lopez-Galindez, Cecilio. A combination of defective DNA and protective host factors are found in a set of HIV-1 ancestral LTNP. VIROLOGY. 391 - 1, pp. 73 - 82. ACADEMIC PRESS INC ELSEVIER SCIENCE, 15/08/2009. ISSN 0042-6822
DOI: 10.1016/j.virol.2009.05.022.
Type of production: Scientific paper **Format:** Journal
Position of signature: 4
Total no. authors: 9
Impact source: WOS (JCR) **Category:** Science Edition - VIROLOGY
Impact index in year of publication: 3.042 **Journal in the top 25%:** No
Position of publication: 12 **No. of journals in the cat.:** 30
Source of citations: WOS **Citations:** 29
- 27** Pernas, Maria; Lopez-Galindez, Cecilio. An HIV-1215V mutant shows increased phenotypic resistance to d4T. VIRUS RESEARCH. 135 - 2, pp. 340 - 344. ELSEVIER SCIENCE BV, 01/08/2008. ISSN 0168-1702
DOI: 10.1016/j.virusres.2008.03.019.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 2
Impact source: WOS (JCR) **Category:** Science Edition - VIROLOGY
Impact index in year of publication: 2.429 **Journal in the top 25%:** No
Position of publication: 16 **No. of journals in the cat.:** 27

**Source of citations:** WOS**Citations:** 0

- 28** Casado, Concepcion; Pernas, Maria; Alvaro, Tamara; Sandonis, Virginia; Garcia, Soledad; Rodriguez, Carmen; del Romero, Jorge; Grau, Eulalia; Ruiz, Lidia; Lopez-Galindez, Cecilio. Coinfection and superinfection in patients with long-term, nonprogressive HIV-1 disease. JOURNAL OF INFECTIOUS DISEASES. 196 - 6, pp. 895 - 899. OXFORD UNIV PRESS INC, 15/09/2007. ISSN 1537-6613

DOI: 10.1086/520885.**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 10**Impact source:** WOS (JCR)**Impact index in year of publication:** 6.035**Position of publication:** 3**Source of citations:** WOS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - INFECTIOUS DISEASES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 50**Citations:** 35

- 29** Pernas, M; Casado, C; Fuentes, R; Perez-Elias, MJ; Lopez-Galindez, C. A dual superinfection and recombination within HIV-1 subtype B 12 years after primoinfection. JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES. 42 - 1, pp. 12 - 18. LIPPINCOTT WILLIAMS & WILKINS, 01/05/2006. ISSN 1077-9450

DOI: 10.1097/01.qai.0000214810.65292.73.**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 5**Impact source:** WOS (JCR)**Impact index in year of publication:** 3.946**Position of publication:** 10**Impact source:** WOS (JCR)**Impact index in year of publication:** 3.946**Position of publication:** 29**Source of citations:** WOS**Format:** Journal**Category:** Science Edition - INFECTIOUS DISEASES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 47**Category:** Science Edition - IMMUNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 117**Citations:** 61

- 30** Pariente, N; Pernas, M; de la Rosa, R; Gomez-Mariano, G; Fernandez, G; Rubio, A; Lopez, M; Benito, JM; Lopez-Galindez, C; Leal, M; Domingo, E; Martinez, MA; Mas, A. Long-term suppression of plasma viremia with highly active antiretroviral therapy despite virus evolution and very limited selection of drug-resistant genotypes. JOURNAL OF MEDICAL VIROLOGY. 73 - 3, pp. 350 - 361. WILEY, 01/07/2004. ISSN 0146-6615

DOI: 10.1002/jmv.20098.**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 13**Impact source:** WOS (JCR)**Impact index in year of publication:** 2.331**Position of publication:** 14**Source of citations:** WOS**Format:** Journal**Category:** Science Edition - VIROLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 22**Citations:** 8

- 31** Pernas, M; Novoa, B; Berthe, F; Tafalla, C; Figueras, A. Molecular methods for the diagnosis of Martellia refringens. BULLETIN OF THE EUROPEAN ASSOCIATION OF FISH PATHOLOGISTS. 21 - 5, pp. 200 - 208. EUR ASSOC FISH PATHOLOGISTS, 01/01/2001. ISSN 0108-0288

**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 5**Source of citations:** WOS**Format:** Journal**Citations:** 6

- 32** Pernas, M; Novoa, B; Tafalla, C; Figueras, A. Efficiency of different monoclonal antibodies in immunological assays developed for the detection of *Marteilia* sp isolated from 12 *Mytilus galloprovincialis*. BULLETIN OF THE EUROPEAN ASSOCIATION OF FISH PATHOLOGISTS. 20 - 5, pp. 193 - 198. EUR ASSOC FISH PATHOLOGISTS, 01/01/2000. ISSN 0108-0288

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 4**Source of citations:** WOS**Format:** Journal**Citations:** 2

- 33** Culloty, SC; Novoa, B; Pernas, M; Longshaw, M; Mulcahy, MF; Feist, SW; Figueras, A. Susceptibility of a number of bivalve species to the protozoan parasite *Bonamia ostreae* and their ability to act as vectors for this parasite. DISEASES OF AQUATIC ORGANISMS. 37 - 1, pp. 73 - 80. INTER-RESEARCH, 23/06/1999. ISSN 0177-5103

DOI: 10.3354/dao037073**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 7**Impact source:** WOS (JCR)**Impact index in year of publication:** 1.515**Position of publication:** 17**Impact source:** WOS (JCR)**Impact index in year of publication:** 1.515**Position of publication:** 4**Source of citations:** WOS**Format:** Journal**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 70**Category:** Science Edition - FISHERIES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 34**Citations:** 49

- 34** Berthe, FCJ; Pernas, M; Zerabib, M; Haffner, P; Thebault, A; Figueras, AJ. Experimental transmission of *Marteilia refringens* with special consideration of its life cycle. DISEASES OF AQUATIC ORGANISMS. 34 - 2, pp. 135 - 144. INTER-RESEARCH, 08/10/1998. ISSN 0177-5103

DOI: 10.3354/dao034135**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 6**Impact source:** WOS (JCR)**Impact index in year of publication:** 1.213**Position of publication:** 13**Impact source:** WOS (JCR)**Impact index in year of publication:** 1.213**Position of publication:** 26**Impact source:** WOS (JCR)**Impact index in year of publication:** 1.213**Position of publication:** 5**Format:** Journal**Category:** Science Edition - VETERINARY SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 139**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 68**Category:** Science Edition - FISHERIES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 30

**Source of citations:** WOS**Citations:** 41

- 35** PERNAS, M; BARTOLOME, J; CASTILLO, I; QUIROGA, JA; PARDO, M; CARRENO, V. Sequence of nonstructural region-3 and region 5 of Hepatitis C virus genome from Spanish patients - existence of a predominant variant related to type 1B. JOURNAL OF GENERAL VIROLOGY. 76, pp. 415 - 420. SOC GENERAL MICROBIOLOGY, 01/02/1995. ISSN 0022-1317

DOI: 10.1099/0022-1317-76-2-415.**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 1**Total no. authors:** 6**Source of citations:** WOS**Citations:** 9

- 36** QUIROGA, JA; MARTIN, J; PERNAS, M; PARDO, R; HERRERO, M; CASTILLO, I; BARTOLOME, J; CARRENO, V. Evidence of subtype-specific antibodies to antigenic epitopes in the NS5 region of Hepatitis C virus in the circulation of patients with chronic Hepatitis C. CLINICAL AND DIAGNOSTIC LABORATORY IMMUNOLOGY. 1 - 5, pp. 545 - 551. AMER SOC MICROBIOLOGY, 01/09/1994. ISSN 1071-412X

DOI: 10.1128/cdli.1.5.545-551.1994.**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 8**Source of citations:** WOS**Citations:** 1

- 37** Burgaleta, C; Velasco, G L; Peletier, R; Messeguer, M; Pernas, M. [The effect of clindamycin on intraphagocytic Staphylococcus aureus in leukocytes from patients with chronic osteomyelitis].; Efecto de clindamicina sobre Staphylococcus aureus intrafacogiticos en leucocitos de pacientes con osteomielitis cronica. Enfermedades infecciosas y microbiologia clinica. 10 - 3, pp. 143 - 7. 01/03/1992. ISSN 0213-005X

PMID: 1576187**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 5**Source of citations:** WOS**Citations:** 1

- 38** Romina Cabrera-Rodríguez; Anna Pons-Grifols; Maria Pernas; Concepción Casado; Rodrigo Trujillo González; Iria Lorenzo-Sánchez; Iriome Reyes-Castañeda; Benjamin Trinité; Juliá Blanco; Agustín Valenzuela. TARDBP as a Gatekeeper of HIV-1 Assembly and Infection: Targeting the Viral Capsid Precursor Pr55Gag and Limiting Viral Core Entry. Preprint. 22/10/2025.

Type of production: Review**Position of signature:** 3**Total no. authors:** 10

- 39** Lopez-Galindez, Cecilio; Pernas, Maria; Casado, Concepcion; Olivares, Isabel; Lorenzo-Redondo, Ramon. Elite controllers and lessons learned for HIV-1 cure. CURRENT OPINION IN VIROLOGY. 38, pp. 31 - 36. ELSEVIER SCI LTD, 01/10/2019. ISSN 1879-6257

DOI: 10.1016/j.coviro.2019.05.010.**Type of production:** Review**Format:** Journal**Position of signature:** 2**Degree of contribution:** Author or co-author of review**Total no. authors:** 5**Corresponding author:** No**Impact source:** WOS (JCR)**Category:** Science Edition - VIROLOGY**Impact index in year of publication:** 4.985**Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 37



Source of citations: WOS

Citations: 25

- 40** Olivares, Isabel; Pernas, Maria; Casado, Concepcion; Lopez-Galindez, Cecilio. Human Immunodeficiency Virus Type 1 Two-Long Terminal Repeat Circles: A Subject for Debate. AIDS REVIEWS. 18 - 1, pp. 23 - 31. 01/01/2016. ISSN 1698-6997

Type of production: Review

Position of signature: 2

Total no. authors: 4

Impact source: WOS (JCR)

Impact index in year of publication: 3.244

Position of publication: 27

Impact source: WOS (JCR)

Impact index in year of publication: 3.244

Position of publication: 66

Source of citations: WOS

Format: Scientific and technical document or report

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - INFECTIOUS DISEASES

Journal in the top 25%: No

No. of journals in the cat.: 84

Category: Science Edition - IMMUNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 151

Citations: 4

Works submitted to national or international conferences

- 1** **Title of the work:** Loss of Virological Control 32 Years After HIV-1 Diagnosis in an Exceptional Elite Controller
Name of the conference: Conference on Retrovirus and Opportunistic Infections
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: San Francisco, United States of America
Date of event: 09/03/2025
End date: 12/03/2025
 S. Frances; A. Ponns; C. Gasca-Capote; V. Sandonís; E. Pradenas; E. Aparicio; C. Moral-Turon; M. Vera; J. del Romero; B. Trinité; E. Ruiz-Mateos; J. Blanco; M. Pernas; C. Casado.
- 2** **Title of the work:** A high proportion of HIV-1-infected elite controllers from Spain harbor viruses sharing a common ancestry, related to the earliest HIV-1 epidemic in the USA ”
Name of the conference: XV Congreso Nacional de GESIDA 2024
City of event: Zaragoza, Spain
Date of event: 24/11/2024
End date: 27/11/2024
 Thomson; Gil; Casado; Cañada; Cuevas; Rallón; Benito; Pernas.
- 3** **Title of the work:** Loss of Virological Control 32 Years After HIV-1 Diagnosis in an Exceptional Elite Controller
Name of the conference: XV Congreso nacional Gesida
City of event: Zaragoza, Spain
Date of event: 24/11/2024
End date: 27/11/2024
- 4** **Title of the work:** Functional characterization of HIV-1 Envelope glycoproteins isolated from the Elite Controller ECRIS cohort.
Name of the conference: XV Congreso Nacional Gesida



Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: San Francisco, United States of America

Date of event: 17/11/2024

End date: 27/11/2024

A. Ponns; J. Guinot; S. Marfil; C. Rovirosa; A. Valenzuela; M^o A. Muñoz; E. Ruiz-Mateos; B. Trinité; M. Pernas; C. Casado; J. Blanco.

- 5 Title of the work:** A high proportion of HIV-1-infected elite controllers from Spain harbor viruses sharing a common ancestry, related to the earliest HIV-1 epidemic in the USA "

Name of the conference: 5th HIV Research for Prevention Conference

Type of participation: Participatory - poster

City of event: Zaragoza, Spain

Date of event: 06/10/2024

End date: 10/10/2024

City organizing entity: Peru

M. Thomson; H. Gil; C. Casado; J:E. Cañada; M.T. Cuevas; N. Rallón; J.M. Benito; M. Pernas.

- 6 Title of the work:** ANCESTRAL ENVELOPE GLYCOPROTEINS FROM ELITE CONTROLLERS SHOW DECREASED INFECTIVITY AND HIGHER EXPOSURE OF BNAB EPITOPES.

Name of the conference: XIV Congreso Nacional Gesida

City of event: La Coruña, Spain

Date of event: 26/11/2023

End date: 29/11/2023

- 7 Title of the work:** ANCESTRAL ENVELOPE GLYCOPROTEINS FROM ELITE CONTROLLERS SHOW DECREASED INFECTIVITY AND HIGHER EXPOSURE OF BNAB EPITOPES.

Name of the conference: XIV Congreso Nacional Gesida

City of event: La Coruña, Spain

Date of event: 26/11/2023

End date: 29/11/2023

- 8 Title of the work:** Defective functions of HIV envelopes glycoproteins associate with long-term control
Name of the conference: XVIII CONFERENCE ON RETROVIRUS AND OPPORTUNISTIC INFECTIONS

Corresponding author: No

Date of event: 06/03/2021

End date: 11/03/2021

Silvia Pérez Yanes; C. Casado; M. Pernas; R. Cabrera-Rodríguez.

- 9 Title of the work:** Env EL9 epitope driven by HLA b*1402 leads disease progression in LTNP patient after twenty seven years of HIV control

Name of the conference: XI Congreso Nacional GeSIDA y XIII Reunión Docente de la RIS

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Toledo, Madrid, Comunidad de, Spain

Date of event: 10/12/2019

M Pernas; A Moyano; N Pedreño; L Tarancón; T Álvaro; C Casado; M Vera; I Olivares; C Rodríguez; J del Romero; E Ruiz Mateos; C López Galíndez; JG Prado.



- 10** **Title of the work:** Permanent control of HIV-1 pathogenesis in exceptional elite controllers: a model of spontaneous cure
Name of the conference: IX HIV Persistence during therapy
Type of event: Conference
Corresponding author: No
City of event: Miami, United States of America
Date of event: 10/12/2019
End date: 13/12/2019
C. Gálvez; C. Casado; M. Pernas; C. Rodríguez; R. Lorenzo-Redondo; E. Ruiz-Mateos; M. Salgado; C. López-Galíndez; J. Martínez-Picado.
- 11** **Title of the work:** Viral factors and T-cell sensitivity to activation dictate the loss of control in two cases of HIV-1 viremic non-progressors
Name of the conference: XI Congreso Nacional GeSIDA y XIII Reunión Docente de la RIS
Type of event: Conference
Geographical area: National
Type of participation: Participatory - oral communication
Reasons for participation: Review before acceptance
City of event: Toledo, Castilla-La Mancha, Spain
Date of event: 10/12/2019
End date: 13/12/2019
M Colomer Lluch; M Pernas; E Peña; E Jiménez Moyano; J Dalmau; C Casado; C López Galíndez; J Martínez Picado; JG Prado.
- 12** **Title of the work:** Perfil Transcriptómico de células mononucleares de sangre periférica de individuos controladores y no progresores a largo plazo
Name of the conference: XI Congreso Nacional GeSIDA y XIII Reunión Docente de la RIS
City of event: Toledo, Castilla-La Mancha, Spain
Date of event: 10/12/2019
F. Díez Fuertes; E. de la Torre Tarazona; M. Ruiz-Riol; B. Oriol; E. Calonge; M. Pernas; L. Capa; J. García-Pérez; C. Brander; C López Galíndez; A León; JM Benito; F García; J del Romero; P Vicianá; L López Cortes; M Leal; E Ruiz Mateos; J. Alcamí.
- 13** **Title of the work:** Metabolomic profile associated with loss of spontaneous HIV-1 elite control
Name of the conference: XVI CONFERENCE ON RETROVIRUS AND OPPORTUNISTIC INFECTIONS
Type of event: Conference
Geographical area: National
Type of participation: Participatory - poster
Reasons for participation: Review before acceptance
City of event: Seattle, United States of America
Date of event: 04/03/2019
End date: 07/03/2019
Rodríguez-Gallego, E; Tarancón, L; Alba, V; Rull, A; Peraire, J; Viladés, C; León, A; Rallón, N; Rodríguez, C; del Romero, J; López-Galíndez, C; Casado, C; Pernas, M; Benito, J.M; García, F; Leal, M; Vidal, F; Ruiz-Mateos, E.
- 14** **Title of the work:** Caracterización biológica del VIH-1 en parejas de hombres que tienen sexo con hombres (HSH) infectadas por la misma variante viral
Name of the conference: X Congreso Nacional de GESIDA y 12º Reunión Docente de la RIS
Type of event: Conference
Geographical area: National
Type of participation: Participatory - oral communication
Reasons for participation: Review before acceptance
City of event: Madrid, Madrid, Comunidad de, Spain
Date of event: 06/11/2018



End date: 09/11/2018

Rico, J; Cid, A; Casado, C; Olivares, I; Docando, F; Vera, M; Rodríguez, C; del Romero, J; López-Galíndez, C; Pernas, M.

15 Title of the work: Metabolomic profile associated with loss of spontaneous HIV-1 elite control

Name of the conference: X Congreso Nacional de GESIDA y 12º Reunión Docente de la RIS

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Madrid, Madrid, Comunidad de, Spain

Date of event: 06/11/2018

End date: 09/11/2018

Rodríguez-Gallego, E; Tarancón, L; Alba, V; Rull, A; Peraire, J; Viladés, C; León, A; Rallón, N; Rodríguez, C; del Romero, J; López-Galíndez, C; Casado, C; Pernas, M; Benito, J.M; García, F; Leal, M; Vidal, F; Ruiz-Mateos, E.

16 Title of the work: Prevalencia de la doble infección por el VIH-1 en pacientes HSH en Madrid

Name of the conference: X Congreso Nacional de GESIDA y 12º Reunión Docente de la RIS

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Madrid, Madrid, Comunidad de, Spain

Date of event: 06/11/2018

End date: 09/11/2018

Type of contribution: Popular science article

Casado, C; Pernas, M; Rava, M; Allerdi, O; Vera, M; Alenda, R; Jiménez, P; Docando, F; Fuentes, R; Olivares, I; Zaballós, A; Rodríguez, C; del Romero, J; López-Galíndez, C.

17 Title of the work: Transcriptome profiling and data mining: Predictive genes of hiv disease progression

Name of the conference: X Congreso Nacional de GESIDA y 12º Reunión Docente de la RIS

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Madrid, Madrid, Comunidad de, Spain

Date of event: 06/11/2018

End date: 09/11/2018

F. Díez-Fuertes; E. Calonge; Pernas, M; HE De la Torre Tarazona; I. Casademont; A Sakuntabhai; L. Capa.

18 Title of the work: Transcriptome profiling and data mining: Predictive genes of hiv disease progression

Name of the conference: International Conference on AIDS

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Paris, France

Date of event: 18/06/2018

End date: 20/06/2018

F. Díez-Fuertes; E. Calonge; Pernas, M; HE De la Torre Tarazona; I. Casademont; A Sakuntabhai; L. Capa.



- 19** **Title of the work:** Transcriptome profiling and data mining: Predictive genes of hiv disease progression
Name of the conference: XV CONFERENCE ON RETROVIRUS AND OPPORTUNISTIC INFECTIONS
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: No
City of event: Boston, United States of America
Date of event: 04/03/2018
End date: 07/03/2018
 F. Díez-Fuertes; E. Calonge; Pernas, M; HE De la Torre Tarazona; I. Casademont; A Sakuntabhai; L. Capa.
- 20** **Title of the work:** Switch of HIV-1 subpopulations are related to the loss of the non progressor clinical phenotype
Name of the conference: IX Congreso Nacional de GeSIDA
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: VIGO, Galicia, Spain
Date of event: 28/11/2017
End date: 01/12/2017
Organising entity: Grupo de Estudio de SIDA-SEIMC **Type of entity:** Associations and Groups
 María Pernas; Ana Moyano; Nuria Pedreño; Tamara Alvaro; Concepción Casado; Isabel Olivares; Christian Andrade; Carmen Rodríguez; Jorge del Romero; Mar Vera; Cecilio López-Galíndez.
- 21** **Title of the work:** Towards a Natural HIV-1 Steriling cure: Long-Term Elite Controllers
Name of the conference: IX Congreso Nacional de GESIDA
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: vIGO, Spain
Date of event: 28/11/2017
End date: 01/12/2017
Organising entity: Grupo de Estudio de SIDA-SEIMC **Type of entity:** Associations and Groups
 Cristina Gálvez; María Salgado; Cecilio López-Galíndez; Carmen Rodríguez; Jorge del Romero; María Pernas; Concepción Casado.
- 22** **Title of the work:** EXOME-WIDE ASSOCIATION STUDY IN HIV-INFECTED INDIVIDUALS IDENTIFIES A FUNCTIONAL VARIANT RELATED TO LONG TERM NON PROGRESSION IN UBXN6
Name of the conference: IX Congreso Nacional de GESIDA
Corresponding author: No
City of event: vIGO, Spain
Date of event: 28/11/2017
End date: 01/12/2017
Organising entity: Grupo de Estudio de SIDA-SEIMC **Type of entity:** Associations and Groups
 Francisco Díaz Fuertes; H Erick de la torre; Esther Calonge; María Pernas; Javier García-Pérez; A Alvarez.
- 23** **Title of the work:** HIV-1 envelope glycoproteins isolated from Viremic non-progressors HIV-infected individuals are fully functional and cytophatic
Name of the conference: IX Congreso Nacional GeSIDA



Corresponding author: No

City of event: VIGO, Galicia, Spain

Date of event: 28/11/2017

End date: 01/12/2017

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

S. Marfil; V. Hebman; S. Marrero-Hernández; DI Márquez-Arce; R. Cabrera-Rodríguez; MS Varela; Concepción Casado; C. Cabrera; V. Urrea; María Pernas; B. Clotet; C. López-Galíndez; M. Biard-Piechazyck; A. Valenzuela; J. Blanco.

24 Title of the work: EXOME-WIDE ASSOCIATION STUDY IN HIV-INFECTED INDIVIDUALS IDENTIFIES A FUNCTIONAL VARIANT RELATED TO LONG TERM NON PROGRESSION IN UBXN6

Name of the conference: 9th IAS Conference on HIV Science

Corresponding author: No

City of event: Paris, France

Date of event: 23/07/2017

End date: 23/07/2017

Francisco Diaz Fuertes; H Erick de la torre; Esther Calonge; María Pernas; Javier García-Pérez; A Alvarez.

25 Title of the work: Envelope with low CD4 binding, fusion and signaling activity characterizes viruses from a cluster of HIV-1 LTNP-elite controllers

Name of the conference: VIII Congreso Nacional GeSIDA

Type of participation: Participatory - poster

Corresponding author: No

City of event: San Sebastián, País Vasco, Spain

Date of event: 29/12/2016

End date: 02/12/2016

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

C. Casado; MS Varela; M. Pernas; S. Marfil; L. de Armas Rillo; F. Borrás; I. Olivares; S. Marrero-Hernández; DI Márquez-Arce; J. Blanco; A. Valenzuela; C. López-Galíndez.

26 Title of the work: ¿Está el VIH-1 evolucionando en España hacia una forma con mayor capacidad replicativa?

Name of the conference: VIII Congreso Nacional GeSIDA

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: San Sebastián, País Vasco, Spain

Date of event: 29/12/2016

End date: 02/12/2016

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

T. Santana; A. Martín; C. Casado; I. Olivares; J. Del Romero; C. Rodriguez; R Fuentes; M. Vera; C. López-Galíndez; M. Pernas.

27 Title of the work: Viral Evolution Analysis for the Distinction of True HIV-1 Elite-Controller Patients

Name of the conference: 23TH Conference on Retrovirus and Opportunistic Infections

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Boston, United States of America

Date of event: 22/02/2016



End date: 25/02/2016

With external admission assessment committee: Yes

M. Pernas; C. Casado; R. Fuentes; I. Olivares; C. López Galíndez; Grupo de estudio de controladores de la RIS.

- 28 Title of the work:** Dual Infection by HIV-1 among newly diagnosed patients from the Spanish Cohort of antiretroviral Naive adults (CoRIS)

Name of the conference: XXV International HIV Drug Resistance Boston

Corresponding author: No

City of event: Boston, United States of America

Date of event: 20/02/2016

End date: 21/02/2016

María Pernas; Jose Angel Fernandez-Caballero; Concepción Casado; Isabel Olivares; Susana Martínez-Arbas; C Vidal; I Viciano; M Alvarez; I Arkaitz; J Portilla; AB Lozano; Cecilio López-Galíndez.; Federico García; on behalf of CoRIS.

- 29 Title of the work:** Caracterización virológica de pacientes Controladores de Elite que pierden el control.

Name of the conference: VII Congreso Nacional de GESIDA

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Madrid, Spain

Date of event: 01/12/2015

End date: 04/12/2015

Maria Pernas; Concepción Casado; Rosa Fuentes; Isabel Olivares; Cecilio López Galíndez; Grupo de estudio de controladores de la RIS.

- 30 Title of the work:** Caracterización de la respuesta T VIH específica de pacientes Controladores de Élite que pierden el control

Name of the conference: VII Congreso Nacional de GESIDA

Corresponding author: No

City of event: Madrid, Spain

Date of event: 01/12/2015

End date: 04/12/2015

L. Tarancón; B. Domínguez-Molina; J.M. Benito; A. León; C. Rodríguez; N. Rallón; F. García; Maria Pernas; L. Capa; Concepción Casado; P. Viciano; J. del Romero; J. Alcamí; C. López Galíndez; M. Leal; E. Ruiz-Mateos.

- 31 Title of the work:** Detección de dobles infecciones por VIH-1 en la Cohorte de Adultos de la Red Española de SIDA (CoRIS)

Name of the conference: VII Congreso Nacional de GESIDA

Corresponding author: Yes

City of event: Madrid, Spain

Date of event: 01/12/2015

End date: 04/12/2015

María Pernas; Jose Angel Fernandez-Caballero; Casado Casado; Isabel Olivares; Susana Martínez-Arbas; C Vidal; I Viciano; M Alvarez; I Arkaitz; J Portilla; AB Lozano; Federico García; Cecilio López-Galíndez.

- 32 Title of the work:** Viral evolution in a HIV-1 dual LTNP infected patient.

Name of the conference: XIII Congreso Nacional de Virología

Type of event: Conference

Type of participation: Participatory - oral communication



Corresponding author: Yes

City of event: Madrid, Spain

Date of event: 07/06/2015

End date: 10/06/2015

Ana Moyano; Nuria Pedreño; Tamara Alvaro; Concepción Casado; Isabel Olivares; Rosa Fuentes; Carmen Rodríguez; Jorge Romero; Cecilio López-Galíndez; María Pernas.

33 Title of the work: Improved antibody cross-neutralizing activity in HIV-1 dual-infected LTNP patients

Name of the conference: 22TH Conference on Retrovirus and Opportunistic Infections

Type of event: Conference

Type of participation: Participatory - poster

City of event: Seattle, United States of America

Date of event: 23/02/2015

End date: 26/02/2015

M. Pernas; C. Casado; V. Sanchez-Merino; A. Merino-Mansilla; I. Olivares; E. Yuste; C. Lopez-Galindez.

34 Title of the work: Eventos no SIDA en pacientes controladores del VIH: relevancia de la co-infección por el VHC

Name of the conference: VI Congreso Nacional de GESIDA

Corresponding author: No

City of event: Madrid, Spain

Date of event: 25/11/2014

End date: 28/11/2014

B. Domínguez-Molina; J.M. Benito; A. León; C. Rodríguez; N. Rallón; C. López Galíndez; F. García; M. Pernas; L. Capa; C. Casado; J. del Romero; J. Alcamí; M. Leal; E. Ruiz-Mateos.

35 Title of the work: La doble infección por el VIH-1 en pacientes no progresores aumenta la amplitud de la respuesta neutralizante

Name of the conference: VI Congreso Nacional de GESIDA

City of event: Málaga, Spain

Date of event: 25/11/2014

End date: 28/11/2014

Maria Pernas; Escario Pernas; Concepción Casado; Victor Sanchez-Merino; Alberto Merino-Mansilla; Isabel Olivares; Eloisa Yuste; Cecilio Lopez-Galindez.

36 Title of the work: Características clínico-epidemiológicas, factores del huésped y consecuencias clínicas asociadas a la doble infección en pacientes controladores a largo plazo.

Name of the conference: IV Congreso Nacional de GESIDA

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Toledo, Castilla-La Mancha, Spain

Date of event: 27/11/2012

End date: 30/11/2012

With external admission assessment committee: Yes

M. Pernas; C. Casado; C. Arcones; V. Sandonís; C. Rodríguez; J. del Romero; E. Ruiz-Mateos; E. Grau; L. Ruiz; M.O López-Vazquez; C. López Galíndez.

37 Title of the work: Características clínico-epidemiológicas, factores del huésped y consecuencias clínicas asociadas a la doble infección en pacientes controladores de élite a largo plazo

Name of the conference: IV Congreso Nacional de GESIDA

Type of event: Conference



Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Toledo, Castilla-La Mancha, Spain

Date of event: 27/11/2012

End date: 30/11/2012

María Pernas; Concepción Casado; Carolina Arcones; Virginia Sandonis; Carmen Rodríguez; Jorge del Romero; Ezequiel Ruiz-Mateos; Eulalia Grau; Lidia Ruiz; Mariola López-Vázquez; Cecilio López Galíndez.

- 38 Title of the work:** Desarrollo de Métodos para la evaluación de la función de las glicoproteínas de la envuelta del VIH. Aplicación al análisis de individuos con diferente progresión de la infección

Name of the conference: III Congreso Nacional de GESIDA

Corresponding author: No

City of event: Sevilla, Spain

Date of event: 08/11/2011

End date: 11/11/2011

M. Curriu; F. Cunyat; M. Pernas; E. García; M. Massanella; J. Carrillo; B. Clotet; C. López Galíndez; C. Cabrera; J. del Romero.

- 39 Title of the work:** Strong Immune Response after Superinfection in a HIV-1 Elite Suppressor Patient."

Name of the conference: 18TH Conference on Retrovirus and Opportunistic Infections

Type of event: Conference

Type of participation: Participatory - poster

City of event: Boston, United States of America

Date of event: 27/02/2011

End date: 02/03/2011

M Pernas; C Arcones; A LLano; E Yuste; B Mothe; Victor S; C Brander; C Casado; C López Galíndez.2011.

- 40 Title of the work:** Identificación de un grupo de virus ancestrales deletéreos en pacientes españoles no progresores

Name of the conference: XI Congreso Nacional de Virología

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Granada, Spain

Date of event: 2011

Concepción Casado; María Pernas; Virginia Sandonis; Tamara Alvaro-Cifuentes; Rosa Fuentes; L Martínez-Prats; Rafael Delgado; Jorge del Romero; Carmen Rodríguez; Cecilio López-Galíndez.

- 41 Title of the work:** Low Replicative Capacity of HIV-1 Envelopes Derived from the Viruses Present in a Super-infected Elite Suppressor Patient.

Name of the conference: 17TH Conference on Retrovirus and Opportunistic Infections

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: San Francisco, United States of America

Date of event: 16/02/2010

End date: 19/02/2010

With external admission assessment committee: Yes

M Pernas; C Casado; CArcones; E Grau; L Ruiz; CLópez Galíndez.2010.



- 42** **Title of the work:** Co and superinfection in HIV-1 Long Term Non- Progressor Patients.
Name of the conference: HIV dynamics and evolution.
City of event: Segovia, Spain
Date of event: 2007
C Casado; M Pernas; T Alvaro; V Sandonis; S García; C Rodríguez; J del Romero; E Grau; L Ruiz; C López Galíndez.2007.
- 43** **Title of the work:** Large deletions in HIV-1 proviral DNA from LTNPs with ancestral characteristic.
Name of the conference: HIV dynamics and evolution.
City of event: Segovia, Spain
Date of event: 2007
V Sandonis; C Casado; M Pernas; T Alvaro; C Rodriguez; S García; J del Romero and C López Galíndez.2007.
- 44** **Title of the work:** Presencia de secuencias ancestrales en las cuasiespecies provirales de pacientes no progresores.
Name of the conference: IX Congreso Nacional de Virología
City of event: Zaragoza, Spain
Date of event: 2007
C Casado; V Sandonis; T Alvaro; M Pernas; C López Galíndez.2007.
- 45** **Title of the work:** Detection of cultured Perkinsus atlanticus using the polymerase chain reaction.
Name of the conference: 8TH International Conference on Diseases of Fish and Selfish.
City of event: Edinburgo,
Date of event: 1997
M Pernas; C Ordas; A Figueras.1997.
- 46** **Title of the work:** Marteilia refringens life cycle: exploring hipotesis of an intermediate host.
Name of the conference: 8TH International Conference on Diseases of Fish and Selfish.
City of event: Edinburgo,
Date of event: 1997
F Berthe; M Pernas; C Collins; P Haffner; PG Sauriau; A Figueras.1997.
- 47** **Title of the work:** The relative susceptibility of a number of bivalve species to the protozoan parasite Bonamie ostreae.
Name of the conference: 8TH International Conference on Diseases of Fish and Selfish.
City of event: Edinburgo,
Date of event: 1997
SC Culloty; B Novoa; M Pernas; M Longshaw; MF Mulcahy; S; A Figueras.1997.
- 48** **Title of the work:** HCV-RNA quantication using amplicor quantitave assay in high dose alfa inetrferon treatment of chronic hepatitis C.
Name of the conference: 4th International conference current trends in chronically-evolving viral hepatitis.
City of event: Perugia, Italy
Date of event: 1995
S Navas; M Pernas; M Herrero; V Carreño.1995.
- 49** **Title of the work:** Treatment of chronic heaptitis C with High doses of limphoblastoid alpha-interferon.
Name of the conference: The second international symposium on lymphoblastoid alpha interferon.
City of event: Barcelona, Spain
Date of event: 1994



M Herrero; E Marriot; M Pernas; M Pardo; V Carreño.1994.

- 50** **Title of the work:** Hepatitis C virus (HCV) genotypes in hemodialysis patients.
Name of the conference: 28th Meeting of the European association for the study of the liver.
City of event: Paris, France
Date of event: 1993
S navas; M Pernas; C Caramelo; M L Alberola; V Carreño."Journal of Hepatology". 1993.
- 51** **Title of the work:** Serological study of the immune response to the NS5 region of the different HCV infections.
Name of the conference: 28th Meeting of the European association for the study of the liver.
City of event: Paris, France
Date of event: 1993
JA Quiroga; J Martin; M Pernas; M Pardo; M Herrero; I Castillo; J Bartolomé; E Marriot V Carreño."Journal of Hepatology". 1993.
- 52** **Title of the work:** Effect of clarithromycin on phagocytosis and bactericidal activity of human polymorphonuclear leukocytes.
Name of the conference: Conference on macrolides, azides and streptogramins.
City of event: Santa Fe,
Date of event: 1992
C Burgaleta; M Pernas; J. M. Beltrán.1992.
- 53** **Title of the work:** Effect of new macrolides on human PMN phagocytosis.
Name of the conference: 8th Mediterranean Congress of Chemotherapy.
City of event: Atenas, Greece
Date of event: 1992
M Pernas; R Canton; C Burgaleta.1992.
- 54** **Title of the work:** PCR analysis of HCV variants.
Name of the conference: 27th Meeting of the European association for the study of the liver.
City of event: Viena, Austria
Date of event: 1992
M Pernas, J Bartolomé; I Castillo, JA Quiroga, M Pardo, R Rodriguez, V Carreño."Journal of Hepatology". 1992.
- 55** **Title of the work:** Determinación de la actividad fagocítica en polimorfonucleares y monocitos mediante citometría de flujo.
Name of the conference: XXXIII Reunión de la asociación española de Hematología y Hemoterapia.
City of event: Palma de Mallorca, Spain
Date of event: 1991
M Pernas; S Villalba; C Burgaleta."Sangre.". 1991.
- 56** **Title of the work:** Normalización del ciclo celular con ácido retinoico en leucemia mieloide crónica en transformación blástica.
Name of the conference: XXXIII Reunión de la asociación española de Hematología y Hemoterapia.
City of event: Palma de Mallorca, Spain
Date of event: 1991
S Villalba; M Pernas; C Burgaleta."Sangre.". 1991.



- 57** **Title of the work:** EFFECT OF NEW MACROLIDES ON HUMAN-PMN PHAGOCYTOSIS
Name of the conference: 8th Mediterranean Congress of Chemotherapy
City of event: ATHENS,
Type of contribution: Scientific paper
 PERNAS, M; CANTON, R; BURGALETA, C. "JOURNAL OF CHEMOTHERAPY". 5, pp. 236 - 236.
 01/05/1993. ISSN 1120-009X

R&D management and participation in scientific committees

Organization of R&D activities

- 1** **Title of the activity:** Conviértete en un científico loco por un día
Type of activity: Semana de la Ciencia
Convening entity: RED de Investigación en SIDA
City convening entity: Madrid, Madrid, Comunidad de, Spain
Type of participation: Organiser
Start-End date: 10/11/2021 - 12/11/2024
- 2** **Title of the activity:** Conviértete en un científico loco por un día
Type of activity: Semana de la Ciencia
Convening entity: RED de Investigación en SIDA
City convening entity: Madrid, Madrid, Comunidad de, Spain
Type of participation: Organiser
Start-End date: 09/11/2021 - 11/11/2021
- 3** **Title of the activity:** Conviértete en un científico loco por un día
Type of activity: Semana de la Ciencia
Convening entity: Red de Investigación en SIDA
City convening entity: Madrid, Madrid, Comunidad de, Spain
Start-End date: 12/11/2019 - 14/11/2019 **Duration:** 3 days

Other achievements

Stays in public or private R&D centres

Entity: Biotherapix **Type of entity:** Business
City of entity: Madrid, Madrid, Comunidad de, Spain
Start-End date: 23/10/2006 - 23/05/2007 **Duration:** 7 months
Goals of the stay: Post-doctoral
Provable tasks: Microarray development for HIV resistance



Other types of collaboration with researchers or technologists

Type of relationship: Networks without joint project

Name principal investigator (PI, Co-PI....): Casado; Pernas

Description of the collaboration: Estudios filogenéticos de transmisión VIH-1

Participating entity/entities:

Centro Sanitario Sandoval

Type of entity: Business

Start date: 01/01/2000

Scientific societies and professional associations

Name of the society: Sociedad Española Virología

Start date: 2025

Co-operation networks

1 Name of the network: RED DE SIDA

Identification of the network: RIS

Start date: 01/05/2007

Duration: 6 years

2 Name of the network: EURL IVD

Participating entity/entities: Hospital Universitario de la Paz; PEI; RISE; Hospital General Universitario Gregorio Marañón

Type of entity: Healthcare Institutions; Healthcare Institutions; Healthcare Institutions; Healthcare Institutions