



Francisco Martín Molina

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Date of document: 20/11/2024

v 1.4.3

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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.

El Dr Martin es Investigador Principal del grupo de terapia Génica y Celular en GENYO. Su actividad en los últimos 25 años se ha centrado en desarrollar nuevos sistemas más eficaces y seguros de transferencia génica (vectores lentivirales y edición genómica) para su aplicación en terapias avanzadas para el tratamiento del cáncer y enfermedades raras. Trabajó en el Instituto de Investigación del Cáncer (ICR) de 1995 a 1997 y en Instituto Windeyer de Ciencias Médicas (UCL) de 1997 a 2002 en Londres (Reino Unido), centrándose en el desarrollo de vectores retrovirales para el desarrollo de estrategias de inmunoterapia frente al cáncer. En 2002 estableció su propio grupo de investigación de Terapia Celular y Genética (CGT) como contratado Ramón y Cajal en IPB López Neyra (CSIC) y desde 2009 en GENYO. Es Secretario de la Junta de la Sociedad Española de Terapia Génica y Celular desde 2019 y Miembro de la comisión académica del Programa de Doctorado en Biomedicina y del Máster de inmunología de la Universidad de Granada desde 2012. El Dr. Martin ha publicado más de 90 artículos científicos en revistas internacionales. Sus artículos han sido citados más de 2320 veces y tienen un índice H = 29. Ha generado 16 patentes relacionadas con la terapia génica-celular e inmunoterapia (7 de ellas licenciadas). En base a varias de estas patentes en ha fundado dos empresas de base tecnológica, LentiStem Biotech y CRISPNA Bio. En los últimos años su grupo se ha centrado en aplicar estos desarrollos en vectores lentivirales y en edición genómica para poder reducir los costes y mejorar la actividad y/o seguridad de los medicamentos de terapias avanzadas (ATMPs) para su aplicación al paciente. De particular relevancia para este proyecto son los trabajos realizados en el campo de las CAR-T publicados en **Molecular Therapy Oncology, Frontiers Immunology, Molecular Therapy-Nucleic Acids, Bone Marrow Transplant, Nature and Cell Metabolism**. Gracias a estos trabajos se ha conseguido financiación para la **realización de un ensayo clínico** a través de la convocatoria de ensayos clínicos independientes del ISCIII, así como financiación para la **construcción de la primera sala GMP para hacer CAR-T editadas genéticamente** de Andalucía, a través de la convocatoria CERTERA.

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.

Publicaciones internacionales: 87 publicaciones indexadas en JCR; 76 artículos en Q1; índice H= 29. Más de 2400 citas. Índice de impacto acumulado de 583.

Actividad en Transferencia: 15 patentes, 7 de ellas licenciadas. Fundador de **LentiStem Biotech** (2016) más de 1 millón de inversión pública y privada captado, una Tesis doctoral industrial defendida y otra en curso. Fundador de **CRISPNA Bio** (2022)

Traslación al sistema de salud: - Proyecto ICI (IP Concha Herrera-HRS) para realización de ensayo clínico de AWARI (CAR-T fisiológica generada por mi grupo en colaboración con LentiStem Biotech). - Aprobación de CERTERA-ibsGRANADA. Coordinador de la petición de expansión, aportando los datos necesarios para justificar la viabilidad de generar un producto alogénico CAR-T (TCRKO) y de generar una sala GMP para edición genética en el H. Virgen de las Nieves de GRANADA. - FOMENTO DE LA INVESTIGACIÓN EN EL SNS: Dos contratos Nicolas Monardes (Dr Per Anderson y Dr Karim Benabdellah) desde mi grupo de investigación, además de mas de 8 proyectos de investigación en colaboración con Hospitales

Documentos científicos y técnicos; Editor de un libro, Autor de: - 8 capítulos de libro, -7 artículos en revistas de difusión nacional; director de 8 Tesis fin de Grado, 29 Tesis Fin de Master, 2 Tesis doctorales en el extranjero (UCL-Londres-UK) y 14 Tesis doctorales en España (UGR).

Trabajos presentados en congresos: 54 ponencias invitadas; 25 presentaciones orales; 71 presentaciones en posters

Organización y gestión de actividades de I+D (academia): - Coordinador Programa Terapia génica red RICORS-TerAv (2022-actualidad); - Secretario de la Junta directiva de la Sociedad Española Terapia Génica y Celular (2018-actualidad); - Coordinador área Terapias Avanzadas ibs.GRANADA (2023-actualidad); - Coordinador línea estratégica de investigación básica-traslacional del plan de diseño y traslación de Terapias Avanzadas en el SSPA(2024); - Miembro del comité científico ibs.GRANADA (2023-actualidad); - Coordinador de dos cursos pertenecientes a Máster oficiales de la Universidad de Granada (2012-actualidad); - Vocal de la comisión Académica del Programa de doctorado en biomedicina (2015-2022); - Miembro de la Junta de Centro de GENYO (2023-actualidad); - Tribunal en mas de 26 Tesis doctorales; - Editor asociado de Frontiers Immunology (IF=8.8), Frontiers in oncology (IF=6.2) and Cancers (IF=6.5); Revisor de revistas internacionales de prestigio (Blood, Human Molecular Genetics, Molecular Therapy, Human Gene Therapy, etc); Revisor de proyectos para organismos nacionales (ANEP, Agencia para la Calidad del Sistema Universitario de Castilla y León,) e internacionales (Innovative Medicines Initiative, FET; Wellcome Trust, Swiss National Science Foundation, Fundação para a ciencia e a Tecnologia (FCT), Netherlands Organisation for Health Research and Development.)

Organización y gestión de actividades de I+D (empresa): - 3 Contratos con empresas (PX´Pharmaceutics, Canvax y LentiStem Biotech); - Creación de dos empresas de base tecnológica: LentiStem Biotech y CRISPNA Bio.



Organización congresos y eventos: - V congreso de la Sociedad Española de Terapia Génica y Celular (Granada-2009); I International Symposium on Cell and Gene-based Therapies (Granada 2012); - II Spring School of the European Society of Gene and Cell Therapy (Granada 2017). UNISTEM DAY: Europa unida por la ciencia (2016; 2017; 2018; 2019; 2022; 2023)



Francisco Martín Molina

Current professional situation

Employing entity: Universidad de Granada

Type of entity: University

Department: Inmunología, Facultad de Medicina

Professional category: Investigador Maria Zambrano Senior - Acdo Catedrático de Universidad)

Start date: 01/01/2022

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240700 - Cell biology; 240900 - Genetics; 241200 - Immunology; 241500 - Molecular biology

Secondary (UNESCO code): 320707 - Experimental pathology; 320708 - Haematology; 320710 - Immunopathology; 320713 - Oncology

Performed tasks: Cell and Gene therapy strategies for the treatment of rare diseases (Wiskott-Aldrich syndrome and Pompe disease) and cancer (CAR-T cells). Lentiviral vectors development for ex vivo therapeutics using hematopoietic stem cells (HSCs) and T cells. Genome editing tools (ZFNs and CRISPR) as alternative to lentiviral vectors. Doxycycline inducible gene transfer systems.

Identify key words: Molecular biology; Gene therapy; Dna therapy; Immunological disorders (aids); Cancer

Previous positions and activities

	Employing entity	Professional category	Start date
1	FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD	Investigador principal /Team Leader	2009
2	IPB Lopez Neyra	Investigador contratado Ramón y Cajal	2003
3	Hospital Universitario San Cecilio	Investigador contratado FIS	2002
4	University College London. Windeyer Institute of Medical Sciences	Senior Research Fellow	1997
5	Institute of Cancer Research	Postdoctoral. EU Fellowship (Biotechnology)	1995
6	Consejo Superior de Investigaciones Científicas	Beca FPU- Inv Predoctoral	1991
7	Universidad de Granada	Investigador contratado - Acreditato catedrático de Universidad	01/01/2022

1 **Employing entity:** FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD

Professional category: Investigador principal /Team Leader

Start-End date: 2009 - 2011

2 **Employing entity:** IPB Lopez Neyra

Type of entity: Public Research Body

Professional category: Investigador contratado Ramón y Cajal

Start-End date: 2003 - 2009

3 **Employing entity:** Hospital Universitario San Cecilio

Type of entity: Healthcare Institutions

Professional category: Investigador contratado FIS

Start-End date: 2002 - 2003

4 **Employing entity:** University College London. Windeyer Institute of Medical Sciences

Professional category: Senior Research Fellow

Start-End date: 1997 - 2002

5 **Employing entity:** Institute of Cancer Research

Professional category: Postdoctoral. EU Fellowship (Biotechnology)

Leadership and management (Y/N): No

Start-End date: 1995 - 1997

Duration: 2 years

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Performed tasks: Terapia celular-génica de inmunodeficiencias primarias y enfermedades neurodegenerativas. Desarrollo de vectores lentivirales mas eficientes y seguros. Desarrollo de vectores lentivirales inducibles. Modificación genética de células madre hematopoyéticas (HSCs) y células madre estromales (MSCs). Edición génómica y nucleasas específicas como alternativa a los vectores retrovirales. Modelos celulares humanos. Desarrollo de estrategias de terapia celular-génica para el Síndrome de Wiskott-Aldrich y Esclerosis múltiple

6 **Employing entity:** Consejo Superior de Investigaciones Científicas

Type of entity: State agency

Professional category: Beca FPU- Inv Predoctoral

Start-End date: 1991 - 1994

Duration: 4 years



7 **Employing entity:** Universidad de Granada **Type of entity:** University
Professional category: Investigador contratado - Acreditato catedrático de Universidad
Start date: 01/01/2022 **Duration:** 10 months

Summary of professional activity

Dr Francisco Martin is Principal Investigator of the Gene and Cell therapy group at GENYO. His activity during the last 25 years has been focused on developing new, more efficient and safer gene transfer systems for its application in the treatment of cancer and rare diseases. He worked at the Institute for Cancer Research (ICR) from 1995 to 1997 and later at the Windeyer Institute of Medical Sciences (UCL-London-UK) for another 5 years. His work in that period was focused on the development of targeted retroviral vectors for the development of immunotherapy strategies against cancer. In 2002 he moved back to Spain as team leader of the Cell and Gene Therapy (CGT) group at IPB López Neyra (CSIC). Since 2009 he is Principal Investigator at GENYO first as team leader from the Fundación Progreso y Salud and from 2022, as professor in Granada University.



Education

University education

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

University degree: Higher degree

Name of qualification: Licenciado en Biología

Degree awarding entity: Universidad de Granada **Type of entity:** University

Date of qualification: 1990

Doctorates

Doctorate programme: Doctor en Biología molecular

Degree awarding entity: Universidad de Granada **Type of entity:** University

City degree awarding entity: Granada, Andalusia, Spain

Date of degree: 1994

Thesis title: Caracterización de un NON-LTR retrotransposon de Trypanosoma cruzi

Thesis director: Manuel Carlos Lopez Lopez

Obtained qualification: Premio Extraordinario

Recognition of quality: Yes

Special doctorate award: Yes

Date of award: 02/11/1999

Language skills

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

Teaching experience

General teaching experience

- Name of the course:** Terapia génica

University degree: Master en Medicina translacional

Start date: 2015 **End date:** 2023

Entity: Universidad de Granada **Type of entity:** University

Faculty, institute or centre: Medicine

City of entity: Spain

- 2** **Name of the course:** Gene Therapy
University degree: MASTER INVESTIGACION TRASLACIONAL Y MEDICINA PERSONALIZADA
Start date: 2016 **End date:** 2020
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Medicine
- 3** **Name of the course:** Training period
University degree: Biology
Start date: 2015 **End date:** 2015
Entity: INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE
Type of entity: Innovation and Technology Centres
- 4** **Name of the course:** Plan formativo: prácticas en biomedicina experimental
University degree: Biomedicina
Start date: 2014 **End date:** 2014
Entity: Universidad de Sevilla **Type of entity:** University
- 5** **Name of the course:** RESEARCH TRAINING
University degree: MASTER EN NATURAL SCIENCES
Start date: 2006 **End date:** 2006
Entity: TECHNISCHE UNIVERSITÄT BRAUNSCHWEIG, BRAUNSCHWEIG, GERMANY
Type of entity: University
- 6** **Name of the course:** RESEARCH TRAINING
University degree: MASTER EN NATURAL SCIENCES
Start date: 2006 **End date:** 2006
Entity: UPPSALA BIOMEDICAL CENTER, UPPSALA UNIVERSITY, UPPSALA, SWEDEN
Type of entity: University
- 7** **Type of teaching:** Official teaching
Name of the course: Inmunología molecular y celular
Type of programme: Doctorate **Type of teaching:** In person theory
Type of subject: Modular
University degree: Programa de doctorado
Start date: 2003 **End date:** 2006
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 45
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
Department: Immunology
City of entity: Granada,
- 8** **Type of teaching:** Official teaching
Name of the course: Inmunología
Type of programme: Bachelor's degree
University degree: Graduado o Graduada en Biología
Start date: 2003 **End date:** 2005
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 30
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Biología

City of entity: Granada,

- 9** **Type of teaching:** Official teaching
Name of the course: Immunology
Type of programme: Bachelor's degree
University degree: Licenciado en Medicina y Cirugía
Start date: 1997 **End date:** 1999
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 30
Entity: University College London **Type of entity:** University
City of entity: London, Inner London, United Kingdom
- 10** **Type of teaching:** Official teaching
Name of the course: Inmunología
Type of programme: Bachelor's degree
University degree: Graduado o Graduada en Medicina
Start date: 2011
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 240
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
City of entity: Granada,
- 11** **Type of teaching:** Official teaching
Name of the course: Master in Manufacturing Of Advanced Therapy Medicinal Products
Type of programme: Master's degree
University degree: Master en "advance Therapies"
Start date: 2011
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 86
Entity: Universidad de Granada **Type of entity:** University
City of entity: Granada,
- 12** **Type of teaching:** Official teaching
Name of the course: Terapia celular-génica
Type of programme: Master's degree
University degree: Master en Genética y evolución
Start date: 2011
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 160
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Biología
City of entity: Granada,
- 13** **Type of teaching:** Official teaching
Name of the course: Inmunología Molecular y Celular
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Core
University degree: Master en Investigación y Avances en Immunología molecular y celular.
Course given: Gene Therapy
Start date: 2007

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 20

Entity: Universidad de Granada

Type of entity: University

Faculty, institute or centre: Facultad de Medicina

City of entity: Granada,

Subject language: English

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Tesis Doctoral - " Mejora de la inmunoterapia CAR frente a neoplasmas tipo B refractarias mediante edición genómica
Entity: Universidad de Granada **Type of entity:** University
Student: Marina Cortijo Gutierrez
Date of reading: 15/03/2024
- 2 Project title:** Tesis Fin de Master - Generación de células CAR-T frente a cáncer de páncreas HER2+ y análisis comparativo de su actividad ante distintos niveles de expresión
Entity: Universidad de Granada **Type of entity:** University
Student: Antonio Rodriguez Peña
Date of reading: 2024
- 3 Project title:** Tesis Fin de Master -LentOnplus versus TetOn3G: Comparativa de vectores lentivirales inducibles con y sin transactivadores para la generación de Terpaias Avanzadas2024
Entity: Universidad de Granada **Type of entity:** University
Student: Antonio Matilla Serrano
Date of reading: 2024
- 4 Project title:** Tesis doctoral- Desarrollo de células CAR-T fisiológicas e inducibles de 4ta generación con aplicación en inmunoterapia antitumoral
Entity: LentiStem Biotech - Universidad de Granada
Student: Pedro Justicia Lirio
Date of reading: 15/06/2023
- 5 Project title:** Tesis Doctoral - "Generación de una plataforma para la producción de células CAR-T alogénicas: estudios de eficiencia y seguridad
Entity: Universidad de Granada **Type of entity:** University
Student: Noelia Maldonado Perez
Date of reading: 17/03/2023
- 6 Project title:** Tesis Doctoral - "Desarrollo de Nuevas estrategias de Edición Genómica Para su Aplicación en Terapia Génica: Comparativa con Adición genómica
Entity: Universidad de Granada **Type of entity:** University
Student: Araceli Gonzalez Aguilar
Date of reading: 17/02/2023
- 7 Project title:** Tesis Fin de Master - GENERACIÓN DE VECTORES LENTIVIRALES DE EXPRESIÓN FISIOLÓGICA APLICADOS A INMUNOTERAPIA DEL CÁNCER
Entity: Universidad de Granada **Type of entity:** University
Student: Carmen Barbero
Date of reading: 2022

- 8** **Project title:** Tesis Fin de Master - Generación de piel sintética expresando genes de interés de forma inducible por doxyciclina
Entity: Universidad de Granada **Type of entity:** University
Student: Janet Martin Campos
Date of reading: 2022
- 9** **Project title:** Tesis doctoral - Optimización de la inmunoterapia antitumoral con células CAR-T mediante el control de la expresión génica
Type of project: Doctoral thesis
Entity: GENYO-Universidad de Granada **Type of entity:** R&D Centre
City of entity: Granada, Andalusia, Spain
Student: María Tristán Manzano
Obtained qualification: Sobresaliente Cum Lauden
Date of reading: 23/07/2021
European doctorate: No
Quality recognition: Yes **Date of award:** 05/08/2021
- 10** **Project title:** Tesis Fin de Master: Large deletions diversity produced by microhomology-mediated DNA repair after crispr/cas9 editing in the TCR locus
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Eklena Matinez Planes
Date of reading: 12/09/2020
- 11** **Project title:** Tesis Fin de Master: Mejora del fenotipo de linfocitos T para su uso en practicas de inmunoterapia
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Carlos Blanco Benitez
Date of reading: 12/09/2020
- 12** **Project title:** Tesis Fin de Master: Generation of murine models to monitoring pancreatic cancer
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Antonio Martin Hersog
Date of reading: 12/07/2020
- 13** **Project title:** Tesis fin de Master: Desarrollo de modelos celulares para estudiar eficacia y seguridad de la modificación genética mediante recombinación homologa, empleando el sistema CRISPR
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Beatriz Guijarro Albaladejo
Date of reading: 12/07/2020
- 14** **Project title:** Tesis Fin de Master: Optimización del métoo de entrega para el Knock-in de células T in vitro con el sistema crispr-Cas9
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Iris Ramos Hernandez
Date of reading: 12/09/2019
- 15** **Project title:** Tesis Fin de Master:Generación de vectores lentiuvirales que mimeticen el patrón de expresión del TCR en células T para aplicaciones en inmunoterapia
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Pedro Justicia Lirio
Date of reading: 12/09/2019



- 16** **Project title:** Tesis Doctoral:Edición genómica para terapia génica del síndrome de Wiskott-Aldrich
Type of project: Doctoral thesis
Entity: GENYO - UGR **Type of entity:** University
City of entity: Granada, Spain
Student: Sabina Sánchez Hernández
Obtained qualification: Cum Laude
Date of reading: 26/07/2019
Quality recognition: Yes
- 17** **Project title:** Tesis Fin de Master: Inmunoterapia de neoplasias tipo B refractarias mediante células T expresando receptores antigénico quiméricos (CARs) de forma regulable
Entity: GENYO- UGR **Type of entity:** R&D Centre
Student: Noelia Maldonado
Date of reading: 19/07/2019
- 18** **Project title:** Tesis fin de Master: Mejora de la eficacia de los vectores lentivirales deficientes para integración (IDLVs) para aplicaciones en terapia génica
Entity: GENYO - UGR **Type of entity:** R&D Centre
Student: Marina Cortijo
Date of reading: 12/07/2019
- 19** **Project title:** Tesis doctoral: Terapia génica y farmacológica para la encefalopatía mitocondrial asociada a la deficiencia en CoQ
Type of project: Doctoral thesis
Entity: GENYO-UGR **Type of entity:** University
Student: Eliana Barriocanal Casado
Obtained qualification: Cum Laude
Date of reading: 26/04/2019
Quality recognition: Yes
- 20** **Project title:** Tesis Doctoral: Importancia de las moléculas que interactúan con TGF-beta1 sobre la biología y capacidad terapéutica de las células mesenquimales estromales (MSCs): papel de CD105 y GARP
Type of project: Doctoral thesis
Co-director of thesis: P Anderson
Entity: GENYO-UGR **Type of entity:** R&D Centre
City of entity: Granada, Andalusia, Spain
Student: Ana Belén Carrillo Gálvez
Obtained qualification: Sobresaliente
Date of reading: 23/02/2018
European doctorate: No
Quality recognition: Yes **Date of award:** 23/02/2018
- 21** **Project title:** Tesis Doctoral: Gene Editing as an alternative to Retroviral vectors for Wiskott-Aldrich Syndrome Gene Therapy.
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Alejandra Gutierrez Guerrero
Obtained qualification: Sobresaliente
Date of reading: 02/10/2017
European doctorate: Yes **Date of recognition:** 02/10/2017



- 22** **Project title:** Tesis fin de Master: PNAs formadores de triplex como herramienta para edición genómica: comparativa con el sistema CRISPR/Cas9 en un modelo del síndrome de Wiskott-Aldrich. Master: Master en biomedicina regenerativa Directores: Francisco Martín y Juan José Díaz Mochón Año: 2017
Type of project: Minor thesis
Entity: Universidad de Granada **Type of entity:** University
Student: Araceli Aguilar González
Obtained qualification: 10
Date of reading: 22/09/2017
- 23** **Project title:** Tesis fin de Master: Terapia celular-génica para la enfermedad de Pompe
Type of project: Minor thesis
Entity: Universidad de Granada **Type of entity:** University
Student: Juan ELías González Correa
Obtained qualification: 10
Date of reading: 22/09/2017
- 24** **Project title:** Tesis fin de Master: EFECTO NEUROPROTECTOR IN VITRO DE hASCs Y hASCs CV EN NPCs EN UN CONTEXTO HUMANO Master: Investigación y avances en inmunología molecular y celular Directores: Marién Cobo y Francisco Martín. Año: 2017
Type of project: Minor thesis
Entity: Universidad de Granada **Type of entity:** University
Student: Iciar Beraza Gómez
Obtained qualification: 9.8
Date of reading: 27/06/2017
- 25** **Project title:** Tesis doctoral: SÍNDROME DE WISKOTT-ALDRICH: MODELOS CELULARES HUMANOS PARA ESTUDIOS PRECLÍNICOS DE VECTORES LENTIVIRALES PARA TERAPIA GÉNICA .
Entity: Universidad de Granada Facultad / Escuela: Centro de Investigación Genómica y Cáncer (GENYO)
Student: Almudena Sanchez-Gilabert
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 15/02/2017
Quality recognition: Yes **Date of award:** 08/05/2017
- 26** **Project title:** Tesis fin de Grado: Desarrollo de vectores lentivirales regulables para la optimización de las estrategias de inmunoterapia con células T-CARs
Type of project: End of course project
Entity: GENYO-Universidad de Granada
Student: Noelia Maldonado Perez
Obtained qualification: 9.9
Date of reading: 2017
- 27** **Project title:** Tesis fin de Grado: Development of a new gene therapy strategy for the treatment of mitochondrial encephalomyopathy due to CoQ9 deficiency
Type of project: End of course project
Entity: GENYO-Universidad de Granada
Student: Juan José Rodríguez Sevilla
Obtained qualification: 10
Date of reading: 2017
Quality recognition: Yes

- 28** **Project title:** Tesis fin de Master: Unbiased detection of off-target cleavage by CRISPR-Cas9 using linear amplification-mediated PCR (LAMP-PCR)
Type of project: Minor thesis
Entity: GENYO **Type of entity:** R&D Centre
Student: Rocio Martin
Obtained qualification: 9.9
Date of reading: 2017
- 29** **Project title:** Tesis fin de Master: Estudio de la especificidad del sistema CRISPR/Cas9 como herramientas de terapia génica para el síndrome de Wiskott-Aldrich: comparativa con Zinc-finger nucleasas
Type of project: Minor thesis
Entity: GENYO-Universidad de Granada
Student: Javier Pinedo Gómez
Obtained qualification: 9.5
Date of reading: 2016
- 30** **Project title:** Tesis fin de Master: Estudios preclínicos para terapia génica del síndrome de Wiskott-Aldrich: Niveles de expresión en el linaje megacariocítico
Type of project: Minor thesis
Entity: GENYO-Universidad de Granada
Student: María Tristán Manzano
Obtained qualification: 10
Date of reading: 2016
Quality recognition: Yes
- 31** **Project title:** Tesis fin de Master: Sobreexpresión del péptido intestinal vasoactivo en células estromales mesenquimales mediante vectores lentivirales- estudio de genotoxicidad-
Type of project: Minor thesis
Entity: GENYO-Universidad de Granada
Student: Beatriz Canals Lorente
Obtained qualification: 10
Date of reading: 2016
Quality recognition: Yes
- 32** **Project title:** Tesis de Master: Análisis de vectores lentivirales para terapia génica del síndrome de Wiskott-Aldrich.
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Mlriam Ávila Elche
Date of reading: 20/09/2015
- 33** **Project title:** Tesis de Master: Optimizing a reproducible and stable therapeutic gene expression is essential in many gene/ cell therapy application
Entity: GENYO-Universidad de Bologna **Type of entity:** R&D Centre
Student: Giuseppe Galvani
Date of reading: 20/09/2015
- 34** **Project title:** Tesis de Master: Desarrollo de una estrategia de terapia celular-génica para el tratamiento de encefalopatía mitocondrial por deficiencia en CoQ
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Cristina Cueto Ureña
Date of reading: 20/07/2015

- 35** **Project title:** Tesis de Master: VECTORES NO INTEGRATIVOS PARA TERAPIA GÉNICA: EFECTO DEL AISLADOR IS2
Entity: GENYO-UGR **Type of entity:** R&D Centre
Student: Jorge Fuster Robles
Date of reading: 20/07/2015
- 36** **Project title:** Tesis de Master: Dissecting the role of GARP on human adipose tissue-derived mesenchymal stem cells Master: Master en investigación y Avances en Immunología Molecular y Celular.
Entity: GENYO-UGR **Type of entity:** University
Student: Sara Cuevas
Obtained qualification: 2014
Date of reading: 2014
- 37** **Project title:** Tesis de Master: Edición genica de WAS con nucleasas específicas: Desarrollo de un modelo Master: Master Universitario en Genética y Evolución. Módulo biosanitario.
Entity: GENYO-UGR **Type of entity:** University
Student: Sabina Sanchez
Obtained qualification: 2014
Date of reading: 2014
- 38** **Project title:** Tesis de Master: Estudios de la eficiencia de vectores lentivirales para terapia génica del WAS Master: Master en biomedicina regenerativa.
Entity: GENYO-UGR **Type of entity:** University
Student: Eliana Barriocanal
Obtained qualification: 2014
Date of reading: 2014
- 39** **Project title:** Tesis de Master: Optimizing a reproducible and stable therapeutic gene expression is essential in many gene/ cell therapy application
Entity: Colaboración GENYO/FH KREMS. University of Applied Sciences-Austria.
Student: Ali Abdallah
Date of reading: 2014
- 40** **Project title:** Tesis de Master: CD105- murine MSCs define a new multipotent subpopulation with distinct differentiation and immunomodulatory properties
Entity: Universidad de Granada **Type of entity:** University
Student: Ana Belén Carrillo Gálvez
Date of reading: 2013
- 41** **Project title:** Tesis de Master: IS2: A new insulator to improve gene transfer vectors efficiency and safety
Entity: Universidad de Granada **Type of entity:** University
Student: Alejandra Gutierrez Guerrero
Date of reading: 2013
- 42** **Project title:** Tesis de Master: Validación de hESCs como modelo celular del síndrome de Wiskott-Aldrich
Entity: Universidad de Granada **Type of entity:** University
Student: Almudena Sanchez Gilabert
Date of reading: 2013



- 43** **Project title:** Tesis Doctoral: Terapia celular-génica de esclerosis múltiple en un modelo de murino .
Entity: Universidad de Granada Facultad / Escuela: Centro de Investigación Genómica y Cáncer (GENYO) **Type of entity:** University
Student: Marién Cobo Pulido
Date of reading: 01/12/2011
- 44** **Project title:** Tesis Doctoral: Desarrollo de vectores lentivirales para Terapia Génica de Hiper IgM ligado al Cromosoma X (X-HIGM1).
Entity: Universidad de Granada Facultad / Escuela: Facultad de medicina/Banco Andaluz de Celulas Madre **Type of entity:** University
Student: Zulema Romero García
Date of reading: 06/2009
- 45** **Project title:** Tesis de Master: New Approaches for the Delivery of Drug-regulated Therapeutic Genes into Target Tissues
Entity: : Colaboración con Helmholtz Zentrum Für Infektionsforschung - CSIC
Student: Ramona Bajer
Date of reading: 2009
- 46** **Project title:** Tesis de Master: New Approaches for the Delivery of Drug-regulated Therapeutic Genes into Target Tissues
Entity: Iopez Neyra / Helmholtz Zentrum Fur Infektionsforschung
Student: Ramona Baier
Date of reading: 2009
- 47** **Project title:** Tesis Doctoral: Diseño de vectores lentivirales regulados fisiológicamente para Terapia Génica del Síndrome de Wiskott-Aldrich.
Entity: Universidad de Granada Facultad / Escuela: IPB López Neyra **Type of entity:** University
Student: Cecilia Frecha
Date of reading: 06/2007
- 48** **Project title:** Tesis Doctoral: Desarrollo de vectores lentivirales hematopoyético-específicos para terapia génica de Wiskott-aldrich.
Entity: Universidad de Granada Facultad / Escuela: Facultad de Medicina/IPB López Neyra **Type of entity:** University
Student: Miguel García Toscano
Date of reading: 01/2006
- 49** **Project title:** Construction de vecteurs lentiviraux régulables et analyse de leur efficacité sur des cellules eucaryotes en vue de thérapie génique
Entity: National Institute for Applied Science_ Toulouse_France **Type of entity:** Public Research Body
Student: Emilie Frisan
Date of reading: 2005
- 50** **Project title:** Tesis Doctoral: Targeting retrovirus vectors to solid tumors
Entity: University of London Facultad / Escuela: University College London. Londres. GB
Student: Simon Chowdhury
Date of reading: 03/2004

51 **Project title:** Tesis Doctoral: Optimizing a reproducible and stable therapeutic gene expression is essential in many gene/ cell therapy application
Entity: University College London (UCL) **Type of entity:** University
Student: Stuart Neil
Date of reading: 2001

52 **Project title:** BSc Project: Targeted retroviral delivery of the Herpes Simplex Virus Thymidine Kinase Gene to melanoma cells may enable specific killing in vitro
Entity: University College London **Type of entity:** University
Student: Emile Tan
Date of reading: 1999

Student tutorials

1 **Name of the programme:** Mobility programme
Entity: Helmholtz Zentrum Für Infektionsforschung
Frequency of the activity: 1

2 **Name of the programme:** Mobility programme
Entity: FH KREMS. University of Applied Sciences - Austria **Type of entity:** University
Frequency of the activity: 1

3 **Name of the programme:** Mobility programme
Entity: Unisersidad de Bologna **Type of entity:** University
Frequency of the activity: 1

4 **Name of the programme:** Mobility programme
Entity: University of Braunschweig (Germany) **Type of entity:** University
Frequency of the activity: 1

5 **Name of the programme:** Mobility programme
Entity: UNiversity of Uppsala **Type of entity:** University
Frequency of the activity: 2

6 **Name of the programme:** Mobility programme
Entity: National Institute for Applied Science. Tolouse (France) **Type of entity:** University Centres and Structures and Associated Bodies
Frequency of the activity: 1

7 **Name of the programme:** Mobility programme
Entity: Hospital Reina Sofía **Type of entity:** Healthcare Institutions
Frequency of the activity: 1



Courses and seminars given

- 1** **Name of the event:** II Simposio de Terapias Avanzadas y Tecnologías Biomédicas.
Organising entity: IBS.GRANADA **Type of entity:** Administrative Body of the National Health System
Hours of teaching: 1
Teaching date: 17/12/2021
Theme: Otra Temática
- 2** **Type of event:** Conference
Name of the event: Foro de Innovación: II Jornada: La medicina del presente
Organising entity: Merck Sharp & Dohme España, S.A. **Type of entity:** Business
Hours of teaching: 2
Teaching date: 15/10/2020
Theme: Formación Docente
- 3** **Type of event:** Workshop
Name of the event: Curso Nacional de Genética, CNG2019
Organising entity: Sociedad Española de Genética **Type of entity:** Associations and Groups
Hours of teaching: 2
Teaching date: 19/06/2019
- 4** **Type of event:** Conference
Name of the event: Xplore Health. Un portal entre el aula y la investigación biomédica.
Organising entity: Parque de las Ciencias (Granada) **Type of entity:** Technological Centre
Hours of teaching: 2
Teaching date: 2016
- 5** **Type of event:** Conference
Name of the event: Xplore Health. Un portal entre el aula y la investigación biomédica.
Organising entity: Parque de las Ciencias (Granada) **Type of entity:** Technological Centre
Hours of teaching: 2
Teaching date: 2015
- 6** **Type of event:** Conference
Name of the event: Jornadas de Terapias Avanzadas.
Organising entity: Fundación Sermes **Type of entity:** Foundation
Hours of teaching: 2
Teaching date: 2014
- 7** **Type of event:** Seminar
Name of the event: Curso teórico práctico de introducción a las técnicas de Biología molecular (5 créditos)
Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Hours of teaching: 50
Teaching date: 1991



Materials and other teaching or educational publications.

- 1** Martin Molina. Stable Genetic Modification of Mesenchymal Stromal Cells Using Lentiviral Vectors, Stable Genetic Modification of Mesenchymal Stromal Cells Using Lentiviral Vectors.
Name of the materials: : Viral Vectors for Gene Therapy; Methods and Protocols
Date of drafting: 2019
Format: Chapters of books
Corresponding author: Yes
- 2** Martin Molina. Gene Delivery Technologies for Efficient Genome Editing: Applications in Gene Therapy, Modern Tools for Genetic Engineering.
Name of the materials: Modern Tools for Genetic Engineering
Date of drafting: 2016
Format: Chapters of books
Corresponding author: Yes
- 3** Martin Molian. Stem Cells For Modeling Human Disease, Stem Cells For Modeling Human Disease.
Name of the materials: Plutipotent Stem Cells – From the Bench to the Clinic
Date of drafting: 2016
Corresponding author: Yes
- 4** Martin Molina. Gene Therapy-Tools and Potential Applications, Editorial InTech, Open Access. Editorial InTech, Open Access. Available on-line at: <<https://www.intechopen.com/books/3509>>. ISBN 978-953-51-1014-9
Name of the materials: Editor de Libro
Date of drafting: 2013
Format: Book
Degree of contribution: Editor or co-editor
Corresponding author: Yes
Position of signature: 1
- 5** Martin Molina. Gene Therapy for primary Immunodeficiencies,
Name of the materials: Gene Therapy-Tools and Potential Applications. Francisco Martin (Ed.)
Date of drafting: 2013
- 6** Martin Molina. New Vectors for Stable and Safe Gene Modification, New Vectors for Stable and Safe Gene Modification.
Name of the materials: Gene Therapy - Developments and Future Perspectives. Chunsheng Kang (Ed.)
Date of drafting: 2011
Format: Chapters of books
Corresponding author: Yes
- 7** Martin Ibañez 1; Martin Molina; IOPEZ IOPEZ. Nueva generación de vacunas antiparasitarias, Colección Nuevas tendencias (C.S.I.C.) España. 24, pp. 303 - 324.
Name of the materials: Capitulo de libro
Date of drafting: 1993
Corresponding author: No



Participation in conferences with talks focused on teacher training

Name of the event: Curso teórico práctico de introducción a las técnicas de Biología molecular

Type of event: Conference

City of event: Granada, Andalusia, Spain

Date of presentation: 1991

Organising entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Plurality, interdisciplinarity and teaching complexity

Teachers in the Master's and PhD program at the Basic Biomedical Sciences Corporation of the University of Antioquia (UdeA), Medellín-Colombia. In this same university, I collaborate in the realization of two research projects in Alzheimer (code 1115-844-670062, contract 830-2019) and Parkinson (code 15829-2017) led by Dr. Marlene Jimenez-Del-Rio, MSc, DSc & Dr. Carlos Velez-Pardo, MSc, DSc. In the same line, I collaborate with the Faculty of Medicine of the Autonomous University of Queretaro (Mexico) participating in the training of doctors of this University.

In Spain, I am a member of the academic committee of the PhD Program in Biomedicine, and of the Master in Research and Advances in Molecular and Cellular Immunology of the University of Granada. I belong to the internal quality assurance committee of the same Master. Since 2012, I have been teaching an average of 6 credits per year in undergraduate (Medicine) and graduate (in three different Masters of the biomedicine program) at the UGR.

Healthcare experience

Other activities/achievements not included above

- 1 Other relevant activities:** ROTACIÓN EXTERNA de residente del servicio de inmunología mdel H.U. Virgen del Rocio
Entity where project took place: GENYO **Type of entity:** R&D Centre
End date: 24/05/2021
- 2 Other relevant activities:** Escribiendo la propuesta de designación de medicamento huérfano para el vector lentiviral AWW para el tratamiento del Síndrome de Wiskott-Aldrich mediante terapia génica.
Entity where project took place: FUNDACION PUBLICA ANDALUZA PROGRESO Y 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:** CERTERA-Desarrollo de Medicamentos de terapias avanzadas. Contribución -Producción, Expansión y Servicio
Entity where project took place: FIBAO; **Type of entity:** Healthcare Institutions
ibs-GRANADA
Name principal investigator (PI, Co-PI....): Sanchez Perez; Martin Molina
Funding entity or bodies:
Instituto de Salud Carlos III **Type of entity:** Public Research Body
Start-End date: 01/01/2024 - 30/12/2025
Total amount: 1.249.000 €
- 2** **Name of the project:** Ensayo clínico fase I-II para evaluar la seguridad y tolerabilidad de un nuevo CART-T anti CD19 optimizado (AWARI) en sujetos con neoplasias de estirpe B en recaída o refractarias
Entity where project took place: Hospital Reina **Type of entity:** Healthcare Institutions
Sofia. FIBICO
Name principal investigator (PI, Co-PI....): Martin; Herrera
Type of participation: Team member
Name of the programme: Ensayos Clinico Independientes- FIS
Code according to the funding entity: ICI22/00015
Start-End date: 02/01/2023 - 26/12/2025
Total amount: 1.113.000 €
Applicant's contribution: Soy colaborador del proyecto. EL CAR-T que se va está estudiando en este ensayo clínico fue desarrollado por mi grupo de investigación y publicado en Molecular Therapy oncology.
- 3** **Name of the project:** Red de terapias avanzadas (TerAv)-Nodo Granada
Entity where project took place: Universidad de **Type of entity:** University
Granada
City of entity: Granada,
Name principal investigator (PI, Co-PI....): Zapata; Moraleda; Martin
Nº of researchers: 10
Type of participation: Principal investigator
Name of the programme: RICORs
Code according to the funding entity: RD21/0017/0004
Start-End date: 01/01/2022 - 31/12/2024
Total amount: 248.190 €
Applicant's contribution: Coordinador del programa de terapia genica de la Red TerAv y participación activa en los otros tres programas
- 4** **Name of the project:** Targeting the tumor microenvironment to improve CAR-T cell based immunotherapy in pancreatic cancer
Entity where project took place: Clínica **Type of entity:** Innovation and Technology Centres
Universitaria de Navarra - Universidad de Granada



City of entity: Granada- Pamplona,

Name principal investigator (PI, Co-PI....): Martin; Lasarte; Maria Tristán Manzano; Jose Antonio Salcedo; Juan Antonio Marchal; Felipe Prosper; Francisco Martin Molina; Juan José Lasarte

Nº of researchers: 6

Type of participation: Principal investigator

Name of the programme: Lineas estratégicas MCI

Code according to the funding entity: PLEC2021-008094

Start-End date: 01/01/2022 - 31/12/2024

Total amount: 499.216 €

Applicant's contribution: Investigador principal de uno de los programas del proyecto coordinado liderado por JJ Lasarte. Total para mi grupo:80.085E

5 Name of the project: UiTRUCKs: Células T CARs universales e inducibles de cuarta generación para Inmunoterapia de linfomas refractarios

Entity where project took place: GENYO

Type of entity: Public Research Body

City of entity: Granada,

Name principal investigator (PI, Co-PI....): Francisco Martin

Nº of researchers: 4

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

Type of participation: Principal investigator

Name of the programme: Proyectos de I+D en Salud

Code according to the funding entity: PI21/00298.

Start-End date: 01/01/2022 - 31/12/2024

Total amount: 129.470 €

Applicant's contribution: Investigador Principal

6 Name of the project: Generación de células CAR-T inducibles de 4ta generación para el tratamiento de tumores solidos para HER2

Entity where project took place:
GENYO-CIMA-CUM-CIEMAT-LentiStem

Type of entity: Innovation and Technology Centres

Name principal investigator (PI, Co-PI....): Tristan-Manzano; Rodriguez-Madoz; Bueren; Martin

Type of participation: Co-ordinator

Name of the programme: ISCIII / CDTI

Code according to the funding entity: PMPTA22/00060

Start-End date: 02/01/2023 - 30/12/2024

Total amount: 928.000 €

Applicant's contribution: Coordinador del proyecto. Convocatoria CDTI-ISCIII de colaboración publico-privada.

7 Name of the project: UiTRUCKs: Células T CARs universales inducibles por doxiciclina para Inmunoterapia de linfomas refractarios

Entity where project took place: GENYO

Name principal investigator (PI, Co-PI....): Pedro Gonzalez Sierra; Francisco Martin

Start-End date: 01/01/2021 - 31/12/2023

Total amount: 125.000 €

8 Name of the project: IP: VECTORES LENTIVIRALES MULTIRREGULABLES PARA INMUNOTERAPIA GÉNICA DEL CÁNCER

Entity where project took place: LentiStem Biotech / GENYO

Nº of researchers: 6

Start-End date: 01/01/2020 - 31/12/2022

Total amount: 290.572 €

9 Name of the project: Red Andaluza de terapia CAR (RANTECAR)

Entity where project took place: INSTITUTO DE BIOMEDICINA DE SEVILLA **Type of entity:** State agency

City of entity: Sevilla-Granada-Cordoba-Cadiz,

Name principal investigator (PI, Co-PI....): Francisco Martin Molina; Jose ANtonio Perez Simón

Nº of researchers: 20

Start-End date: 01/01/2021 - 31/07/2022

Total amount: 200.000 €

10 Name of the project: Valorización de plataforma de inmunoterapia

Entity where project took place: FIPSE - Fundación Progreso y Salud

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

Total amount: 29.000 €

11 Name of the project: Desarrollo de Sistemas Inducibles Para El Control de la Actividad de Células T-Cars

Entity where project took place: GENYO **Type of entity:** R&D Centre

Name principal investigator (PI, Co-PI....): Houria Boullaiz; Francisco Martin

Start-End date: 01/01/2020 - 31/12/2021

Total amount: 60.000 €

12 Name of the project: IP: Generación de células empaquetadoras de vecotres lentivirales mas eficaces

Entity where project took place: LentiStem Biotech / GENYO

Nº of researchers: 3

Start-End date: 01/01/2020 - 31/12/2021

Total amount: 64.422 €

13 Name of the project: IP: Optimización Y Generación De Nuevos Cars Para Aplicación Clínica

Entity where project took place: GENYO

Name principal investigator (PI, Co-PI....): Francisco Martin

Nº of researchers: 9

Start-End date: 01/01/2020 - 31/12/2021

Total amount: 99.475 €

14 Name of the project: IP: Optimización de la edición genómica para su aplicación a terapia génica de la enfermedad de Pompe

Entity where project took place: Genyo

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martin

Nº of researchers: 7

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Start-End date: 01/01/2019 - 31/12/2021

Total amount: 183.920 €

- 15** **Name of the project:** IP: MEJORA DE LA EFICACIA Y SEGURIDAD DE LAS ESTRATEGIAS DE INMUNOTERAPIA CON CÉLULAS T⁺CARS
Entity where project took place: Genyo
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Francisco Martin
N° of researchers: 4
Funding entity or bodies:
Consejería de Salud de la Junta de Andalucía **Type of entity:** others
City funding entity: Sevilla, Andalusia, Spain
Start-End date: 01/12/2018 - 30/11/2019
Total amount: 98.257 €
- 16** **Name of the project:** IP: INMUNOTERAPIA DE NEOPLASIAS REFRACTARIAS MEDIANTE TERAPIA CELULAR-GÉNICA CON T CARs-CD19
Entity where project took place: Genyo - Hospital Reina Sofía - Hospital Virgen del Rocío
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Francisco Martin; Jose Antonio Perez-Simón; Inmaculada Herrera
N° of researchers: 8
Funding entity or bodies:
Consejería de Salud de la Junta de Andalucía **Type of entity:** others
City funding entity: Sevilla, Andalusia, Spain
Start-End date: 01/01/2016 - 31/12/2018
Total amount: 221.600 €
- 17** **Name of the project:** IP: Edición génica como alternativa a los vectores retrovirales para terapia génica del síndrome de Wiskott-Aldrich
Entity where project took place: Genyo
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Francisco Martin
N° of researchers: 4
Funding entity or bodies:
Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Start-End date: 01/01/2016 - 31/12/2018
Total amount: 231.715 €
- 18** **Name of the project:** IP: TERAPIA CELULAR-GÉNICA MEDIANTE CELULAS MADRE HEMATOPOYÉTICAS MODIFICADAS CON VECTORES LENTIVIRLAES: APLICACIÓN A UN MODELO MURINO DE LA ENFERMEDAD DE POMPE
Entity where project took place: GENYO
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Francisco Martin
N° of researchers: 4
Start-End date: 01/01/2016 - 29/12/2017
Total amount: 30.000 €
- 19** **Name of the project:** IP: ISCIII Red de Terapia Celular (Tercel; RD12/0019/0006). Nodo Granada
Entity where project took place: Genyo - IPB Lopez Neyra
City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martin Molina

N° of researchers: 6

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

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

Total amount: 25.000 €

20 Name of the project: Co-IP: Estudios de viabilidad de las células madre mesenquimales modificadas genéticamente para tratamiento de Esclerosis Múltiple: Mejora de la eficiencia terapéutica mediante la expresión del VIP Ref: PI_57069

Entity where project took place: GENYO. FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Marien Cobo; Francisco Martin

N° of researchers: 6

Funding entity or bodies:

Plan de Aplicación del Concimientto CICE. Junta de Andalucía

Type of entity: Public Research Body

Start-End date: 2015 - 2016

Total amount: 180.862 €

21 Name of the project: Co-IP: Estudios preclínicos de los vectores WW y AWW para el tratamietno del Síndrome de Wiskott-Aldrich Ref: PI12/01097

Entity where project took place: GENYO. FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Marien Cobo Pulido; Francisco Martin Molina; Francisco Martín Molina

N° of researchers: 4

Funding entity or bodies:

Consejería de Salud de la Junta de Andalucía

Type of entity: Organismo publico

City funding entity: Sevilla, Andalusia, Spain

Start-End date: 2013 - 2015

Total amount: 52.465 €

22 Name of the project: Co-IP: Nucleasas de dedos de Zinc para terapia génica de inmunodeficiencias primarias: El síndrome de Wiskott-Aldrich como modelo de enfermedad

Entity where project took place: GENYO. FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Karim Benabdellah; Francisco Martin Molina; Francisco Martín Molina

N° of researchers: 4

Funding entity or bodies:

Consejería de Salud de la Junta de Andalucía

Type of entity: Organismo publico

City funding entity: Sevilla, Andalusia, Spain

Start-End date: 2013 - 2015

Total amount: 52.500 €

23 Name of the project: IP:Edición génica mediante Zinc finger nucleasas para el estudio del Síndrome de Wiskott-Aldrich y su tratamiento Ref: PI12/01097

Entity where project took place: GENYO. FPS



City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martín Molina

Nº of researchers: 4

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS). Instituto de Salud Carlos III **Type of entity:** Public Research Body

Start-End date: 2013 - 2015

Total amount: 147.015 €

24 Name of the project: Co-IP: Terapia Celular-génica de esclerosis múltiple

Entity where project took place: BACM-FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martín Molina

Nº of researchers: 5

Funding entity or bodies:

: Consejería de Innovación, Ciencia y Empresa (CICE)

Start-End date: 2010 - 2013

Total amount: 190.366 €

25 Name of the project: IP: Terapia Celular-génica de esclerosis múltiple

Entity where project took place: BACM-FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martín Molina

Nº of researchers: 5

Funding entity or bodies:

: Consejería de Innovación, Ciencia y Empresa (CICE)

Start-End date: 2010 - 2013

Total amount: 190.366 €

26 Name of the project: IP: Terapia génica del Síndrome de Wiskott-Aldrich: Desarrollo de un modelo celular humano para estudios preclínicos Ref: PS09/00340

Entity where project took place: BACM- FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martín Molina

Nº of researchers: 3

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS). Instituto de Salud Carlos III **Type of entity:** Public Research Body

Start-End date: 2010 - 2012

Total amount: 148.225 €

27 Name of the project: IP: Bases moleculares y estratégicas terapéuticas de enfermedades del sistema inmune Ref: BIO012

Entity where project took place: BACM-FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martín Molina

Nº of researchers: 6

Funding entity or bodies:

Consejería de Innovación, Ciencia y Empresa **Type of entity:** Public Research Body



Start-End date: 2010 - 2010

Total amount: 9.651 €

28 Name of the project: Co-IP: Desarrollo de vectores lentivirales regulados para aplicación en terapia génica y celular. Ref: 10772

Entity where project took place: BACM-FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Ignacio Molina Pineda; Francisco Martín Molina

Nº of researchers: 6

Funding entity or bodies:

Consejería de Innovación, Ciencia y Empresa (CICE)

Start-End date: 2007 - 2009

Total amount: 250.000 €

29 Name of the project: IP: Desarrollo de vectores lentivirales más seguros y eficientes: Aplicaciones en terapia génica del Síndrome de Wiskott-Aldrich Ref PI061035

Entity where project took place: IPB Lopez Neyra / BACM-FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martín Molina

Nº of researchers: 3

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS). Instituto de Salud Carlos III **Type of entity:** State agency

Start-End date: 2007 - 2009

Total amount: 249.865 €

30 Name of the project: IP: Mejora de vectores retrovirales para aplicaciones en terapia génica. Ref: SAF2003-00645

Entity where project took place: IPB Lopez Neyra **Type of entity:** R&D Centre

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Francisco Martín Molina

Nº of researchers: 3

Funding entity or bodies:

Ministerio de Ciencia y Tecnología **Type of entity:** State agency

Start-End date: 2003 - 2006

Total amount: 120.000 €

31 Name of the project: Co-IP: Efecto terapéutico de VIP en un modelo de Esclerosis Múltiple. Mecanismos moleculares y celulares. NE03/009.00

Entity where project took place: BACM-FPS

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Mario Delgado Mora; Francisco Martín Molina

Nº of researchers: 3

Funding entity or bodies:

Caixa Galicia **Type of entity:** Fundación

City funding entity: A Coruña, Galicia, Spain

Start-End date: 2003 - 2005

Total amount: 98.000 €

- 32** **Name of the project:** IP: Efecto terapéutico de VIP en un modelo de Esclerosis Múltiple. Mecanismos moleculares y celulares. NE03/009.00
Entity where project took place: IPB Lopez Neyra **Type of entity:** R&D Centre
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Mario Delgado Mora; Francisco Martín Molina
Nº of researchers: 3
Funding entity or bodies:
 Consejería de Economía y Hacienda **Type of entity:** organismo publico
City funding entity: Sevilla, Andalusia, Spain
Start-End date: 2003 - 2005
Total amount: 60.000 €
- 33** **Name of the project:** IP: Desarrollo de vectores retrovirales eficaces y seguros para transducción de células hematopoyéticas pluripotenciales. 01/3143
Entity where project took place: SAS, Universidad **Type of entity:** Healthcare Institutions de Granada, CSIC
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Francisco Martín Molina
Nº of researchers: 1
Funding entity or bodies:
 Fondo de investigación sanitaria (FIS) **Type of entity:** State agency
Start-End date: 2002 - 2003
Total amount: 40.000 €
- 34** **Name of the project:** Co-IP: Validación y estandarización del proceso de producción de un medicamento de terapia génica para el tratamiento del Síndrome de Wiskott-Aldrich
Entity where project took place: GENYO, Hospital Reina Sofia, IATA
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Francisco Martin Molina; Marién Cobo; Inmaculada Herrera
Nº of researchers: 9
Start date: 2016

R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Donaciones para terapia génica de Pompe
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Francisco Martin Molina; Pilar Muñoz Fernandez
Nº of researchers: 2
Participating entity/entities: Fundación Pompe; Fundación Progreso y Salud; Fundación poco frecuente
Funding entity or bodies:
 Fundación Poco Frecuente **Type of entity:** Foundation
Start date: 02/09/2017 **Duration:** 3 years
Total amount: 60.000 €
- 2** **Name of the project:** Donaciones para terapia génica de Pompe
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Francisco Martin Molina; Pilar Muñoz Fernandez
Nº of researchers: 2
Participating entity/entities: Fundación Pompe; Fundación Progreso y Salud; Fundación poco frecuente

**Funding entity or bodies:**

Asociación española de enfermos de Pompe

Start date: 01/02/2016**Duration:** 2 years**Total amount:** 14.000 €

- 3 Name of the project:** Donaciones para terapia génica de Pompe
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Francisco Martin Molina; Pilar Muñoz Fernandez
N° of researchers: 2
Participating entity/entities: Fundación Pompe; Fundación Progreso y Salud; Fundación poco frecuente
Funding entity or bodies: Fundación Poco Frecuente
Start date: 01/02/2016 **Duration:** 2 years
Total amount: 30.000 €

- 4 Name of the project:** Invest in Spain
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Francisco Martin Molina; Kaqrim Benabdellah
N° of researchers: 2
Participating entity/entities: CANVAX BIOTECH, S.L.; Fundación Progreso y Salud
Start date: 12/02/2014 **Duration:** 1 year
Total amount: 14.000 €

- 5 Name of the project:** Feasibility study or services/cell line transduction ena evaluation/consultancy services
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Francisco Martin Molina; Kaqrim Benabdellah
N° of researchers: 2
Participating entity/entities: Fundación Progreso y Salud; Px'Pharmaceutics
Start date: 12/02/2013 **Duration:** 1 year
Total amount: 13.750 €

Results**Industrial and intellectual property**

- 1 Title registered industrial property:** CRISPNA, a new tool for genome editing and diagnosis
Type of industrial property: Patent of invention **Author's rights:** Yes
Inventors/authors/obtainers: Francisco Martin-Molina; Araceli Aguilar-Gonzalez; Noelia Maldonado-Perez; Juan José Diaz-Mochón
Entity holder of rights: FPS y UGR
Reference/registry code: WO2022144437A1 **N° of application:** PCT/EP2021/087887
Country of inscription: Spain
Date of register: 30/12/2020
N° of patent: PCT/EP2021/087887
Companies: CRISPNA Bio



- 2** **Title registered industrial property:** Polinucleótido para expresión fisiológica en células T
Type of industrial property: Patent of invention **Author's rights:** Yes
Inventors/authors/obtainers: Francisco Martin; Maria Tristan; Pedro Justicia; Noelia Maldonado
Entity holder of rights: FPS
Reference/registry code: WO2022058640A1 **N° of application:** PCT/ES2021/070684
Country of inscription: Spain
Date of register: 05/10/2020
N° of patent: PCT/ES2021/070684
Companies: LentiStem Biotech
- 3** **Title registered industrial property:** COMPOSICIONES PARA EL TRATAMIENTO DEL CÁNCER, Y ESPECÍFICAMENTE DE LOS SARCOMAS
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Rene Rodriguez; Ana Carrillo; Francisco Martin; Per Anderson
Entity holder of rights: FIBAO, FPS y FINBA-ISPA
N° of application: P202030148
Country of inscription: Spain
Date of register: 15/07/2020
N° of patent: P202030148
- 4** **Title registered industrial property:** MÉTODO PARA PREDECIR o pronosticar la respuesta al tratamiento del cáncer
Type of industrial property: Patent of invention **Author's rights:** Yes
Inventors/authors/obtainers: Per Anderson; Francisco Martin Molina; Ana Belén Carrillo-Gálvez; René Rodríguez González
Entity holder of rights: FIBAO / FPS / FINBA-ISPA
Reference/registry code: EP2966448A4 **N° of application:** PCT/ES2014/070090
Country of inscription: Spain, Andalusia
Date of register: 2020
N° of patent: WO2014122353
Operating aut.region/region: Andalusia, Spain
- 5** **Title registered industrial property:** Polynucleotide for safer and more effective immunotherapies
Type of industrial property: Patent of invention **Author's rights:** Yes
Related rights: Yes
Inventors/authors/obtainers: Francisco Martin Molina; Maria Tristán Manzano; Noelia Maldonado Perez; Karim Benabdellah; Pilar Muñoz Fernandez
Entity holder of rights: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Reference/registry code: WO2020099572A1 **N° of application:** EP3880307A1
Country of inscription: Spain, Andalusia
Date of register: 14/11/2018
N° of patent: US20220009993A1
Licences: Yes
Companies: LentiStem Biotech
Exclusive use: Yes
Creating an innovative enterprise: Yes
- 6** **Title registered industrial property:** IS2 element to improved integration-defective lentiviral vectors
Type of industrial property: Patent of invention **Author's rights:** Yes
Related rights: Yes

Inventors/authors/obtainers: Francisco Martin Molina; Karim Benabdellah; Sabina Sanchez Hernández; Alejandra Gutierrez Gerrero

Entity holder of rights: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD

Reference/registry code: EP18382613

N° of application: PCT/EP2019/072025

Country of inscription: Spain, Andalusia

Date of register: 18/08/2018

N° of patent: WO/2020/035598

Licences: No

Companies: LentiStem Biotech

Exclusive use: No

7 Title registered industrial property: Lent-On-Plus system for conditional expression in human Stem Cells

Description of qualities: The present invention refers to improved gene transfer vectors for gene therapy and basic research. Particularly, the present invention relates to new DNA sequences capable of improve expression regulation and avoid silencing of gene transfer vectors (viral or non-viral). More particularly, the present invention refers to new combinations of DNA sequences capable of improve expression regulation and avoid silencing of gene transfer vectors (viral or non-viral) in mammalian stem cells. More particularly, the present invention refers to new combinations of DNA sequences capable of improve expression regulation and avoid silencing of gene transfer vectors (viral or non-viral) for gene therapy applications

Type of industrial property: Patent of invention

Author's rights: Yes

Related rights: Yes

Inventors/authors/obtainers: Francisco Martin; Karim Benabdellah; Marien Cobo; Pilar Muñoz

Entity holder of rights: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD

Reference/registry code: EP3535402B1

N° of application: ES2954959T3 / EP3535402B1

Country of inscription: Spain, Andalusia

Date of register: 26/07/2016

N° of patent: WO 2018/083274 A1

Spanish patent: Yes

EU patent: Yes

International non-EU patent: Yes

PCT patent: Yes

Licences: Yes

Companies: LentiStem Biotech

Exclusive use: Yes

Creating an innovative enterprise: Yes

8 Title registered industrial property: Nuevo marcador de superficie de células madre mesenquimales

Type of industrial property: Patent of invention

Author's rights: Yes

Inventors/authors/obtainers: Per Anderson; Francisco Martin Molina; Ana Belén Carrillo-Gálvez; Marién Cobo Pulido; Angélica García-Perez

Entity holder of rights: FPS

N° of application: P201331730

Country of inscription: Spain, Andalusia

Date of register: 2014

N° of patent: WO2015079091A1

Operating aut.region/region: Spain

9 Title registered industrial property: Insulator to improve gene transfer vectors

Description of qualities: The present invention solves the problem of providing more efficient barrier in sulators to avoid vector silencing and to increase expression in the setting of gene transfer vectors, more particularly in the setting of gene transfer ret roviral vectors.

Type of industrial property: Patent of invention

Author's rights: Yes

Related rights: Yes



Inventors/authors/obtainers: Francisco Martin; Karim Benabdellah; Pilar Muñoz; Alejandra Gutierrez Guerrero; Marien Cobo.

Entity holder of rights: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD

N° of application: EP13382080

Date of register: 2013

N° of patent: WO 2014/140218 AI

Spanish patent: Yes

EU patent: Yes

International non-EU patent: Yes

PCT patent: Yes

Licences: Yes

Companies: LentiStem Biotech

Exclusive use: Yes

Creating an innovative enterprise: Yes

10 Title registered industrial property: CD105-Negative Multipotent Mesenchymal Stromal Cells

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Per Anderson; Francisco Martin; Ana Carrillo; Marién Cobo.

Entity holder of rights: FPS

N° of application: de registro: EP13382338.5Año: 2013

Date of register: 2013

N° of patent: WO2015025059A1

11 Title registered industrial property: Método de obtención de megacariocitos y plaquetas

Type of industrial property: Patent of invention **Author's rights:** Yes

Inventors/authors/obtainers: Pedro Real Luna; Miguel G. Toscano; Pablo Menendez Bujan; Francisco Martin Molina; Oscar Montero Navarro; Verónica Ayllón Cases; Verónica Ramos Mejía; Clara Bueno Uroz; Marién Cobo Pulido; TamaraRomero Escobar.

Entity holder of rights: FPS

N° of application: de registro: P201331568Año: 2013

Date of register: 2013

N° of patent: WO2015059339A1

12 Title registered industrial property: Vectores lentivirales para la identificación del linaje hematopoyético

Inventors/authors/obtainers: Francisco Martin; Pilar Muñoz; Karim Benabdellah; MiguelG. Toscano

Entity holder of rights: FPS

N° of application: de registro: P201230449 Año: 2012

Date of register: 2012

13 Title registered industrial property: HIGHLY INDUCIBLE TET-ON VECTOR SYSTEM

Type of industrial property: Patent of invention **Author's rights:** Yes

Inventors/authors/obtainers: Francisco Martin; Pilar Muñoz; Karim Benabdellah; MiguelG. Toscano; Pilar Muñoz; Marién Cobo.

Entity holder of rights: FPS

N° of application: de registro: EP11166754.9Año: 2011

Date of register: 19/05/2011

N° of patent: WO2012156535A1

EU patent: Yes

Licences: Yes

Operating aut.region/region: Ecuador / United States of America

Exclusive use: Yes

**14 Title registered industrial property:** Use of Coenzyme Q biosynthetic proteins

Inventors/authors/obtainers: Luis Carlos Lopez (25%); Francisco Martín Molina (25%); Eliana Barriocanal Casado (17.5%); Karim Benabdellah Khlanji (12.5%); Marien Cobo Puldo (12.5%); Cristina Cueto Ureña (7.5%); .

Entity holder of rights: FPS y Universidad de Granada

Nº of application: de registro: P201630630Año: 2016

Operating aut.region/region: Spain

Technological results derived from specialized and transfer activities, not included in previous sections**1 Description:** Contrato de licencia de explotación

Name of the principal Investigator (PI): Francisco Martín Molina

Degree of contribution: Scientific coordinator

Collaborating entity or bodies:

CANVAX BIOTECH, S.L.

City collaborating entity: Spain

Start date: 12/12/2013

2 Description: Líneas altamente productoras de proteínas humanas y de anticuerpos humanizados

Name of the principal Investigator (PI): Francisco Martín Molina

Collaborating entity or bodies:

Px'Pharmaceutics

City collaborating entity: France

Start date: 02/2013

Transferencia e intercambio de conocimiento

My key research contributions as First or corresponding author are: 1- **The discovery of the first LINE element in T cruzi and the demonstration of a potential endonuclease activity of these elements in all species.** This finding led to a new model for the biology of LINE elements and to a final demonstration that all LINE elements have endonuclease activity that is required for their mobilization. 2- **The discovery of a HIV-1 restriction to infect undifferentiated monocytes and its application to lentiviral vectors transduction.** This finding led to new studies investigating restriction factors involved in HIV-1 infection, crucial not only in the understanding of HIV-1 biology but also to improve lentiviral vectors efficiency and safety. 3- **The redirection of retroviral vectors to specific cancer cells in vitro and the finding of the barriers to apply these approaches in vivo.** 4- **The discovery of a new surface marker (GARP) for mesenchymal stromal cells (MSCs) required for TGF-beta- proliferation and survival.** 5- **The Development of new cellular models and delivery tools to improve the efficiency and safety of genome editing tools.** Gracias a estos trabajos se realizó una Tesis doctoral internacional y se Incorporaron las técnicas de edición genómica y su aplicación a terapia génica en GENYO desde 2015. 7- **Generación de la plataforma TCR-like para mejorar eficacia y/o seguridad de células CAR-T.** La aplicación de los vectores lentivirales AW a la generación de células CAR-T fueron la base de una patente, de la creación de una línea estratégica nueva en la empresa LentiStem Biotech y la base del proyecto de investigación clínica independiente ICI22/00015. 8- **Platform LentOnPlus: First all-in-one inducible system based on the natural TetR repressor (without transactivators) and its application for the generation of inducible ATMPs for clinical applications.** This platform has been validated for the generation of inducible 4th generation CAR-T cells (iTRUCKs) with improved results in lymphoma and pancreatic



cancer. 9- **The generation of a platform to produce universal-genome-edited CAR-T cells for the treatment of patients that do not compile with the requirements to be treated with commercial CAR-T.** These results were the basis of a PhD Thesis and have been largely the basis for the approval of the expansion phase of the project submitted to CERTERA by the Hospital Virgen de las Nieves to cover the costs to build and equip the first GMP room in Andalusia to generate genetically edited CAR-T cells. 10- **The generation of a novel knock-in strategy (named KI-Ep) capable of achieving transgene regulation of the inserted cassette through the acquisition of natural occurring epigenetic marks.** In addition to the potential applications to control transgene expression for gene therapy applications, this finding has implications in several biomedical fields. For instance, it could help to understand the biology of integrative viruses (like HIV-1) and transposable elements

Scientific and technological activities

Scientific production

H index: 29

Date of application: 05/08/2024

Source of H-Index: WOS

Publications, scientific and technical documents

- 1** Sanchez Guijo; Avendaño; Lina Badimón; Juan A. Bueren; Josep M. Canals; Joaquim Delgado; Julio Delgado; Damián García-Olmo; Cristina Eguizábal; María-Eugenia Fernández-Santos; Gloria González-Aseguinolaza; Manel Juan; Francisco Martín; Rosario Mata; Nuria Montserrat; Antonio Pérez-Martínez; Felipe Prósper; Alvaro Urbano-Ispizua; Anna Sureda; Agustín Zapata; MOraleda. Role of Hospital Exemption in Europe: Position Paper from the Spanish Advanced Therapy Network (TERAV). Bone Marrow Transplant. 58, pp. 727 - 728. Nature, 05/06/2023.

Type of production: Scientific paper **Format:** Journal

Position of signature: 13

Total no. authors: 21 **Corresponding author:** No

Source of citations: SCOPUS **Citations:** 3

Relevant publication: Yes
- 2** Tristan Manzano; Maldonado Perez; Cortijo; Justicia Lirio; Grieche; Molina; Muñoz; Aguilar; Pavlovic; Heras; Marchal; Blanc; Tristan; Benabdellah; Martín Molina. Lentiviral vectors for the generation of inducible, transactivator-free Advanced Therapy Medicinal Products: application to CAR-T cells. Molecular Therapy-Nucleic Acid. 32, pp. 322 - 339. Cell Press, 28/03/2023.

Type of production: Scientific paper **Format:** Journal

Position of signature: 15

Total no. authors: 15 **Corresponding author:** Yes

Relevant publication: Yes
- 3** Noelia Maldonado-Perez; María Tristán-Manzano; Pedro Justicia-Lirio; Elena Martínez-Planes; Pilar Muñoz; Kristina Pavlovic; Marina Cortijo-Gutiérrez; Carlos Blanco-Benitez; María Castella; Manel Juan; Mathias Wenes; Pedro Romero; Francisco Javier; Concepción Marañón; Concha Herrera; Concha Herrera; Karim Benabdellah; Francisco Martín. Efficacy and safety of universal (TCRKO) ARI-0001 CAR-T cells for the treatment of B-cell lymphoma. Frontiers in Immunology. 13, pp. 1011858. Frontiers, 06/10/2022.

Type of production: Scientific paper **Format:** Journal

Position of signature: 18 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 18

Impact source: ISI

Impact index in year of publication: 8,8

Source of citations: SCOPUS

Relevant publication: Yes

Corresponding author: Yes

Category: Immunology

Journal in the top 25%: Yes

Citations: 4

- 4** Mathias Wenes; Alison Jaccard; Tania Wyss; Noelia Maldonado Perez; Shao-Thing Teoh; Anouk Lepez; Fabrice Renaud; Fabien Franco; Patrice Waridel; Benjamin Tschumi; Lianjun Zhang; Alena Donda; Francisco Martin; Denis Migliorini; Perez; Ho Ping Chih; Pedro Romero. The mitochondrial pyruvate carrier regulates antitumor function and memory T cell differentiation. *Cell Metabolism*. 34, pp. 1 - 16. Cell Press, 03/05/2022.

Type of production: Scientific paper

Position of signature: 13

Total no. authors: 17

Impact source: ISI

Impact index in year of publication: 27,3

Position of publication: 6

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

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

Corresponding author: No

Category: Cell Biology

Journal in the top 25%: Yes

No. of journals in the cat.: 195

Citations: 57

- 5** Maria Tristán Manzano; Noelia Maldonado Perez; Pedro Justicia Lirio; Pilar Muñoz; Marina Cortijo-Gutiérrez; Kristina Pavlovic; Rosario Jiménez-Moreno; Sonia Nogueras; M. Dolores Carmona; Sabina Sánchez-Hernández; Araceli Aguilar-González; María Castella; Manel Juan; Concepción Marañón; Juan Antonio Marchal; Karim Benabdellah; Concha Herrera Arroyo; Francisco Martin. Physiological (TCR-like) regulated lentiviral vectors for the generation of improved CAR-T cells. *Molecular Therapy Oncolitics*. Aceptato, Cell Press, 21/04/2022.

Type of production: Scientific paper

Position of signature: 18

Total no. authors: 18

Impact source: ISI

Impact index in year of publication: 7,2

Position of publication: 20

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

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

Corresponding author: Yes

Category: Med, Researc & Experimetnal

Journal in the top 25%: Yes

No. of journals in the cat.: 142

Citations: 3

- 6** Marina Cortijo; Juan Antonio Marchal; Francisco Martin; Karim Benabdellah. Improved Functionality of Integration-Deficient Lentiviral Vectors (IDLVs) by the Inclusion of IS(2) Protein Docks. *Pharmaceutics*. 6 - 13, pp. 1217. MDPI, 06/08/2021.

Type of production: Scientific paper

Position of signature: 9

Total no. authors: 10

Impact source: ISI

Impact index in year of publication: 6,3

Position of publication: 28

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - PHARMACOLOGY & PHARMACY

Journal in the top 25%: Yes

No. of journals in the cat.: 275

Citations: 4

- 7** Alejandra Gutierrez-Gerrero; Francisco Martin; Francois Francois Loicc-Cosset; Els Verhoeyen. Baboon envelope pseudotyped “Nanoblades” loaded with Cas9/gRNAs complexes allow efficient genome editing in human T, B cells and HSCs and donor DNA knock-in provided by AAV-6. *Frontiers in genome editing*. 13 - 1, Frontiers, 04/02/2021. Available on-line at: <<https://doi.org/10.3389/fgeed.2021.604371>>.

Type of production: Scientific paper

Position of signature: 11

Total no. authors: 17

Impact source: ISI

Impact index in year of publication: 7,5

Position of publication: 39

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

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

Corresponding author: No

Category: Immunology

Journal in the top 25%: Yes

No. of journals in the cat.: 159

Citations: 18

- 8** Pilar Muñoz; Maria Tristán-Manzano; Almudena Sánchez-Gilbert; Adrian Thrasher; Santtini; Anne Gally; Francisco Martin. WAS-promoter driven lentiviral vectors mimic closely the lop-sided WASP expression during megakaryocytic differentiation. *Molecular Therapy Methods Clinical Developments*. 19, pp. 220 - 235. Elsevier B.V, 11/12/2020.

Type of production: Scientific paper

Position of signature: 7

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 6,7

Position of publication: 25

Source of citations: SCOPUS

Reviews in journals: 3

Relevant publication: Yes

Format: Journal

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

Corresponding author: Yes

Category: Medicine (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 140

Citations: 3

- 9** Belén Carrillo Galvez; Francisco Martin; Per Anderson. GARP is a key molecule for mesenchymal stromal cells responses to TGF- β and fundamental to control mitochondrial ROS levels. *Stem cells translational medicine*. 9 - 5, pp. 636 - 650. 19/02/2020. ISSN 2157-6564

Type of production: Scientific paper

Position of signature: 12

Total no. authors: 13

Impact source: ISI

Impact index in year of publication: 6,9

Position of publication: 4

Source of citations: SCOPUS

Reviews in journals: 7

Relevant publication: Yes

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - CELL & TISSUE ENGINEERING

Journal in the top 25%: Yes

No. of journals in the cat.: 29

Citations: 10

- 10** Virginea de Araujo Farias; Francisco Martin; Oliver Javier Oliver; J Almodovar. Exosomes derived from mesenchymal stem cells enhance radiotherapy-induced cell death in tumor and metastatic tumor foci. *Molecular Cancer*. 15, pp. 122. Springer Nature, 15/08/2018. ISSN 1476-4598

Type of production: Scientific paper

Position of signature: 10

Format: Journal

Total no. authors: 13
Impact source: ISI
Impact index in year of publication: 10,7
Position of publication: 22
Source of citations: SCOPUS
Reviews in journals: 54
Relevant publication: Yes

Corresponding author: No
Category: Cancer Research
Journal in the top 25%: Yes
No. of journals in the cat.: 223
Citations: 95

- 11** Sabina Sanchez; Francisco Martin; Karim Benabdellah. The IS2 Element Improves Transcription Efficiency of Integration-Deficient Lentiviral Vector Episomes. *Molecular Therapy Nucleic Acid*. 29 - 3, pp. 366 - 380. 07/08/2018. ISSN 2162-2531

Type of production: Scientific paper
Position of signature: 15

Total no. authors: 16
Impact source: ISI
Impact index in year of publication: 7,1
Position of publication: 14
Source of citations: SCOPUS
Reviews in journals: 4
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Medicine (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 133
Citations: 8

- 12** Gutierrez-Guerrero A; Sanchez-Hernandez S; Galvani G; Pinedo-Gomez J; Sanchez-Gilabert A; Benabdellah, K; Martin, F. Comparison of ZFNs versus CRISPR specific nucleases for genome edition of the Wiskott-Aldrich Syndrome locus *Revista: Human Gene Therapy*. Año: 2017. *Human Gene Therapy*. 29 - 3, pp. 366 - 380. 2018. ISSN 1043-0342

Type of production: Scientific paper
Position of signature: 11

Total no. authors: 11
Impact source: ISI
Impact index in year of publication: 4,5
Position of publication: 27
Source of citations: SCOPUS
Reviews in journals: 26
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Medicine (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 123
Citations: 34

- 13** Sabina Sanchez-Hernandez; Karim Benabdellah; Pilar Muñoz; Marién Cobo; Alejandra Gutierrez Guerrero; Angélica García-Perez; Per Anderson; Ana Carrillo-Galvez; Miguel Tocano; Francisco Martin. Lent-On-PluS Lentiviral vectors for conditional expression in human stem cells. *Scientific Reports*. 6, pp. 37289. Springer Nature, 05/12/2016. ISSN 2045-2322

Type of production: Scientific paper
Position of signature: 10

Total no. authors: 10
Impact source: ISI
Impact index in year of publication: 4,3
Position of publication: 10

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Multidisciplinary
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Source of citations: SCOPUS

Citations: 14

Reviews in journals: 8

Relevant publication: Yes

- 14** Miguel G Toscano; Muñoz P; Sánchez-Gilabert A; Per Anderson; Pilar Muñoz; Gema Lucena; Ramos-Mejia V; Real PJ; Neth O; Molinos A; Marién Cobo; Karim Benabdellah; Philip D Gregory; Michael C Holmes; Francisco Martin. Absence of WASp Enhances Hematopoietic And Megakaryocytic Differentiation In A Human Embryonic Stem Cell Model. *Molecular Therapy*. 24 - 2, pp. 342 - 353. 2016. ISSN 1754-8411

Type of production: Scientific paper

Format: Journal

Position of signature: 15

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

Total no. authors: 15

Corresponding author: Yes

Impact source: ISI

Category: Medicine (miscellaneous)

Impact index in year of publication: 9

Journal in the top 25%: Yes

Position of publication: 9

No. of journals in the cat.: 128

Source of citations: SCOPUS

Citations: 7

Reviews in journals: 6

Relevant publication: Yes

- 15** Miguel G. Toscano; Oscar Navarro-Montero; Veronica Ayllon; Veronica Ramos-Mejia; Marien Cobo1; Clara Bueno; Tamara Romero1; Francisco Martin*; Pablo Menendez*; Pedro J. Real1*. *Share senior authorship. SCL/TAL1 enhances megakaryocytic specification of human embryonic stem cells by activating a megakaryocyte-specific transcriptional network. *Molecular Therapy*. 23 - 1, pp. 158 - 170. 2015. ISSN 1525-0016

Type of production: Scientific paper

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

Position of signature: 10

Corresponding author: Yes

Total no. authors: 13

Impact source: ISI

Category: Molecular Medicine

Impact index in year of publication: 9

Journal in the top 25%: Yes

Position of publication: 10

No. of journals in the cat.: 124

Source of citations: SCOPUS

Citations: 23

Reviews in journals: 10

Relevant publication: Yes

- 16** Karim Benabdellah; Alejandra Gutierrez Guerrero; Marién Cobo; Pilar Muñoz; Francisco Martín. A chimeric HS4-SAR insulator (IS2) that prevents silencing and enhances expression of lentiviral vectors in pluripotent stem cells. *PLoS one*. 9 - 1, pp. e84268. 2014. ISSN 1932-6203

Type of production: Scientific paper

Format: Journal

Position of signature: 5

Corresponding author: Yes

Total no. authors: 5

Source of citations: SCOPUS

Citations: 28

Reviews in journals: 22

Relevant publication: Yes

- 17** Alessia Cavazza; Ayal Hendel; Rasmus O Bak; Paula Rio; Marc Güell; Marcello Maresca; Stefan E Seemann; Jan Gorodkin; Loubna Mazini; Rosario Sanchez; Juan R Rodriguez-Madoz; Noelia Maldonado-Pérez; Torella Laura; Michael Schmuck-Henneresse; Cristina Maccalli; Julian Grünwald; Gloria Carmona; Neli Kachamakova-Trojanowska; Annarita Miccio; Francisco Martin; Giandomenico Turchiano; Toni Cathomen; Duško Lainšček; Virginia Arechavala-Gomez; Ling Peng; Fatma Zehra Hapil; oshua Harvey; Francisco G Ortega; Coral

Gonzalez-Martinez; Carsten W Lederer; Kasper Mikkelsen; Giedrius Gasiunas; Nechama Kalter; Manuel A F V Gonçalves; Julie Petersen; Alejandro Garanto; Yonglun Luo; Shengdar Q Tsai; Karim Benabdellah. Progress and Harmonization of Gene Editing to Treat Human Diseases (Proceeding of COST Action CA21113. Revista: Molecular Therapy-Nucleic Acid. 12 - 33, 12/06/2023.

Type of production: Review

Position of signature: 20

Total no. authors: 39

Relevant publication: Yes

Corresponding author: No

- 18** Karim Benabdellah; Sabina Sánchez Hernandez; Francisco Martin. Genome- edited adult stem cells: next generation advance therapy medicinal products (ATMPs).Stem cells translational medicine. 9 - 6, pp. 674 - 685. 06/03/2020. ISSN 2157-6564

Type of production: Review

Corresponding author: Yes

Impact source: ISI

Impact index in year of publication: 6,9

Position of publication: 4

Reviews in journals: 7

Relevant publication: Yes

Format: Journal

Category: Science Edition - CELL & TISSUE ENGINEERING

Journal in the top 25%: Yes

No. of journals in the cat.: 29

- 19** Francisco Martin; Sabina Sanchez Hernandez; Alejandra Gutierrez Guerrero; Javier Pinedo Gomez; Karim Benabdellah. Biased and Unbiased Methods for the Detection of Off-Target Cleavage by CRISPR/Cas9: An Overview.Int J Mol Sci. 17 - 9, pp. 1507. MDPI, 17/07/2016. ISSN 1422-0067

Type of production: Review

Position of signature: 1

Total no. authors: 5

Source of citations: SCOPUS

Reviews in journals: 41

Relevant publication: Yes

Format: Journal

Corresponding author: Yes

Citations: 62

- 20** Maria Tristan Manzano; Kristina Pavlovic; Francisco Martin; Karim Benabdellah. Using Gene Editing Approaches to Fine-Tune the immune system. Frontiers in Immunology. 11, pp. 570672. Frontiers, 28/07/2020.

Type of production: Bibliographic review

Position of signature: 10

Total no. authors: 10

Impact source: ISI

Impact index in year of publication: 7,5

Position of publication: 38

Reviews in journals: 4

Relevant publication: Yes

Format: Journal

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

Corresponding author: Yes

Category: Immunology

Journal in the top 25%: Yes

No. of journals in the cat.: 158

- 21** Araújo-Farias, V; Carrillo-Galvez, AB; Martin, F; Per Anderson. TGF-beta and Mesenchymal Stromal Cells in Regenerative Medicine, Autoimmunity and Cancer.Cytokine and growth factors reviews. 15/06/2018. ISSN 1359-6101

Type of production: Bibliographic review

Position of signature: 3

Total no. authors: 4

Format: Journal

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

Corresponding author: Yes

Impact source: ISI

Impact index in year of publication: 6,4

Position of publication: 36

Source of citations: SCOPUS

Reviews in journals: 47

Relevant publication: Yes

Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 293

Citations: 83

- 22** Pedro Justicia-Lirio; María Tristán-Manzano; Concha Herrera; Juan Antonio Marchal; Francisco Martin Molina. First-in-class Transactivator-Free, Doxycycline-inducible IL-18-engineered CAR-T cells for relapsed/refractory B-cell lymphomas. *Molecular Therapy Nucleic Acids*. 35, (Spain): Cell Press, 01/12/2024. Available on-line at: <<https://doi.org/10.1016/j.omtn.2024.102308>>.

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 23** Ana Carrillo Galvez; Francisco Martin; Pablo Galindo Moreno. NLRP3 and AIM2 inflammasomes expression is modified by LPS and titanium ions increasing the release of active IL-1 β in alveolar bone-derived MSCs. *Stem Cells Translational Medicine*. Oxford academics, 16/07/2024.

Type of production: Scientific paper

Format: Journal

Corresponding author: No

- 24** Kristina Pavlovic; Concha Herrera; Karim Benabdellah; Francisco Martin. Generating Universal anti-CD19 CAR T cells with a defined memory phenotype by CRISPR/Cas9 editing and safety evaluation of the transcriptome. *Frontiers Immunology*. 29 - 15, Frontiers, 29/05/2024.

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 25** Jaccard Alison; Tania Wyss; Noelia Maldonado; Jan A Rath; Alessio Bevilacqua; Jhan-Jie Peng; Anouk Lepez; Christine Von Gunten; Fabien Franco; Kung-Chi Kao; Nicolas Camviel; Francisco Martin; Bart Ghesquière; Caroline Arber; Denis Migliorini; Pedro Romero; Ping-Chih Ho; Mathias Wenes. Reductive carboxylation epigenetically instruct T cell differentiation. *Nature*. 621 - 849-856, 20/09/2023.

Type of production: Scientific paper

Format: Journal

Position of signature: 12

Total no. authors: 18

Corresponding author: No

Source of citations: SCOPUS

Citations: 5

- 26** Diana Alejandra; Quintero-Espinosa; Sabina Sanchez-Hernandez; Carlos Velez-Pardo; Martin; Marlene Jimenez-Del-Rio. LRRK2 Knockout Confers Resistance in HEK-293 Cells to Rotenone-Induced Oxidative Stress, Mitochondrial Damage, and Apoptosis. *International journal of molecular sciences*. 24 - 13, pp. 1474. 22/06/2023.

Type of production: Scientific paper

Format: Journal

Position of signature: 5

Total no. authors: 6

Corresponding author: No

Source of citations: SCOPUS

Citations: 3

- 27** Martinez Navajas; Jorge Ceron-Hernandez; Iris Simon; Pablo Lupiañez; Sofia Diaz-McLynn; Sonia Perales¹; Ute Modlich; Jose A. Guerrero; Martin Molina; Teresa Sevivas; Maria L. Lozano; Jose Rivera; Veronica Ramos-Mejia; Claudia Tersteeg; Real. Lentiviral gene therapy reverts GPIX expression and phenotype in Bernard-Soulier Syndrome Type C. *Molecular Therapy Nucleic Acids*. 33, pp. 75 - 92. Cell Press, 12/06/2023.

Type of production: Scientific paper

Position of signature: 9

Total no. authors: 15

Corresponding author: No

- 28** Aguilar-González A; Juen Elias González-Correa; Barriocanal-Casado E; Ramos-Hernández I; Lerma-Juárez MA; Greco S; Rodríguez-Sevilla JJ; Molina-Estévez FJ; Montalvo-Romeral V; Ronzitti G; Sánchez-Martín RM; Francisco Martin; Pilar Muñoz. Isogenic GAA-KO Murine Muscle Cell Lines Mimicking Severe Pompe Mutations as Preclinical Models for the Screening of Potential Gene Therapy Strategies. *Int J Mol Sci.* 23 - 11, pp. 6298. MDPI, 06/06/2022.
Type of production: Scientific paper **Format:** Journal
Position of signature: 12
Total no. authors: 13 **Corresponding author:** Yes
Source of citations: SCOPUS **Citations:** 1
- 29** Enrich Poch; Francisco Martin; J Escrivá-Fernández J; E Mocholí; Cristina Cueto-Ureña. Rnd3 Expression is Necessary to Maintain Mitochondrial Homeostasis but Dispensable for Autophagy. *Front Cell Dev Biol.* 10, pp. 834561. Frontier, 06/06/2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 30** Viorel Simion; Francisco Martin; Emmanuel Garcion; Patrick Baril. LentiRILES, a miRNA-ON Sensor System for Monitoring the Functionality of miRNA in Cancer Biology and Therapy. *RNA Biology.* 18 - sup1, pp. 198 - 214. Taylor & Francis Online, 27/09/2021.
Type of production: Scientific paper **Format:** Journal
Position of signature: 8 **Corresponding author:** No
Total no. authors: 13 **Category:** Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Impact source: ISI **Journal in the top 25%:** No
Impact index in year of publication: 4,6 **No. of journals in the cat.:** 311
Position of publication: 81 **Citations:** 4
Source of citations: SCOPUS
- 31** Saúl A. Navarro-Marchal; María Tristán-Manzano; Francisco Martin; Juan Antonio Marchal. Anti-CD44-Conjugated Olive Oil Liquid Nanocapsules for Targeting Pancreatic Cancer Stem Cells. *Biomacromolecules.* 22 - 4, ACS publications, 12/04/2021. Available on-line at: <<https://doi.org/10.1021/acs.biomac.0c01546>>.
Type of production: Scientific paper **Format:** Journal
Position of signature: 6 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 9 **Corresponding author:** No
Impact source: ISI **Category:** Science Edition - POLYMER SCIENCE
Impact index in year of publication: 7 **Journal in the top 25%:** Yes
Position of publication: 5 **No. of journals in the cat.:** 89
Source of citations: SCOPUS **Citations:** 20
- 32** Viorel Simion; Francisco Martin; Patrick Baril. Intracellular trafficking and functional monitoring of miRNA delivery in glioblastoma using lipopolyplexes and the miRNA-ON RILES reporter system. *Journal of controlled Released.* 327, pp. 429 - 443. Elsevier, 10/11/2020.
Type of production: Scientific paper **Format:** Journal
Position of signature: 7 **Corresponding author:** No
Total no. authors: 11 **Citations:** 13
Source of citations: SCOPUS

- 33** Ana Carrillo-Gálvez; Sabina Sánchez-Hernández; Francisco Martin; Per Anderson. GARP promotes the proliferation and therapeutic resistance of bone sarcoma cancer cells through the activation of TGF-. Cell Death and Disease. aceptado, Springer Nature Journal, 10/10/2020.
Type of production: Scientific paper **Format:** Journal
Position of signature: 17
Total no. authors: 19 **Corresponding author:** No
Source of citations: SCOPUS **Citations:** 12
- 34** Pilar González-García; Eliana Barriocanal-Casado; Sabina Sánchez-Hernández Sabina Sánchez-Hernández; Francisco Martin; Luis Carlos Lopez. Coenzyme Q10 modulates sulfide metabolism and links the mitochondrial respiratory chain to pathways associated to one carbon metabolism. Human Molecular Genetics. Oxford academic, 25/09/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 35** Carlos Baliñas-Gavira; Jose Martínez-Climent; Almudena Ramiro; Francisco Martín; Javier Muñoz; Elvira Fernández-Vigo; Sabina Sánchez-Hernández; Virginia de Yébenes; Ángel Álvarez-Prado; Marta Cuadros; Juan Carlos Álvarez-Pérez; Alvaro Andrades; María Rodríguez; Pedro Medina. Frequent mutations in the amino-terminal domain of BCL7A impair its tumor suppressor role in DLBCL. Leukemia. 34, pp. 2722 - 2735. 30/06/2020.
Type of production: Scientific paper **Format:** Journal
Position of signature: 11
Total no. authors: 14 **Corresponding author:** No
Source of citations: SCOPUS **Citations:** 19
- 36** Francisco Martin; Karim Benabdellah; Rosario María Sánchez Martín; Marina Cortijo-Gutierrez; Iris Ramos-Hernández; Noelia Maldonado-Pérez; Beatriz Guijarro-Albaladejo; Araceli Agukizar-Gonzalez; Sabina. Development of cellular models to study efficiency and safety of gene edition by Homologous Directed Recombination using the CRISPR/Cas9 system. Cells. 9 - 6, pp. 1492. 18/06/2020.
Type of production: Scientific paper **Format:** Journal
Position of signature: 9
Total no. authors: 9 **Corresponding author:** Yes
Source of citations: SCOPUS **Citations:** 1
- 37** R Muñoz-Fernandez; MC Ruiz-Ruiz; MJ Ruiz-Magaña; T Llorca; P Fernandez-Rubio; F Martin; F Requena; C De La Mata; E.G. Olivares. Human predecidual stromal cells are mesenchymal stromal/stem cells and have a therapeutic effect in an immune-based mouse model of recurrent spontaneous abortion. Stem Cell Research & Therapy. 10, pp. 177. BMC, 06/2019.
Type of production: Scientific paper **Format:** Journal
Position of signature: 6
Total no. authors: 9 **Corresponding author:** No
Source of citations: SCOPUS **Citations:** 32
- 38** Hena Ahmad; Teresa Requena; Lidia Frejo; Marién Cobo; Alvaro Gallego-Martinez; Francisco Martin; Jose Antonio Lopez-Escamez; Adolfo M. Bronstein. Clinical and functional characterization of a missense ELF2 variant in a CANVAS family. Frontiers in Genetics. Frontiers, 26/02/2018. ISSN 1664-8021
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 39** 1; Carmen Marin-Bañasco; Karim Benabdellah; Francisco Martin; Laura Leyva; Marga Suardiaz. Gene Therapy With Mesenchymal Stem Cells Expressing IFNbeta Ameliorates Neuroinflammation in Experimetal Models of Multiple sclerosis. British Journal of Pharmacology. 174 - 3, pp. 238 - 253. Wiley Online Library, 06/02/2017. ISSN 1476-5381

Type of production: Scientific paper

Position of signature: 10

Total no. authors: 12

Source of citations: SCOPUS

Format: Journal

Corresponding author: No

Citations: 32

- 40** Francisco Abadía-Molina; Francisco Martín; Alex Mackenzle. Neuronal apoptosis inhibitory protein (NAIP) localizes to the cytokinetic machinery during cell division. *Scientific Reports*. 7, pp. 39981. Springer Nature, 02/02/2017. ISSN 2045-2322

Type of production: Scientific paper

Corresponding author: No

Format: Journal

- 41** Per Anderson; Elena Gonzalez-Rey; Francisco Martín; Mario Delgado. Allogeneic adipose-derived mesenchymal stromal cells ameliorate experimental autoimmune encephalomyelitis by regulating self-reactive T cell responses and dendritic cell function. *Stem Cells International*. Hindawi, 30/01/2017. ISSN 1687-9678

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 6

Source of citations: SCOPUS

Corresponding author: No

Citations: 38

- 42** Eliana Barriocanal-Casado; Cristina Cueto-Ureña; Karim Benabdellah; Alejandra Gutiérrez-Guerrero; Marién Cobo; Agustín Hidalgo-Gutiérrez; Juan José Rodríguez-Sevilla; Luis C. López* and Francisco Martín*. *Share senior authorship.. Gene Therapy Corrects Mitochondrial Dysfunction in Hematopoietic Progenitor Cells and Fibroblasts from Coq9R239X Mice. *PlosOne*. 0158344, PLOS, 24/06/2016. ISSN 1932-6203

Type of production: Scientific paper

Corresponding author: Yes

Format: Journal

- 43** Garcia-Alegria E; Latifa-Navarro MC; Aguado R; García-Gutierrez L; Samataro K; Ruiz-Herguido C; Martín F; Biggas A; Canelles M; Leon J. NUMB inactivation confers resistance to imatinib in chronic myeloid leukemia cells. *Cancer Letters*. 375, pp. 92 - 99. 2016. ISSN 0304-3835

Type of production: Scientific paper

Corresponding author: No

Format: Journal

- 44** Carrillo-Gálvez AB; García-Perez A; Cobo M; Francisco Martín; Anderson P. Mesenchymal stromal cells express GARP/LRRC32 on their surface: effects on their biology and immunomodulatory capacity. *Stem Cells*. 33 - 1, pp. 183 - 195. 2015.

Type of production: Scientific paper

Position of signature: 10

Total no. authors: 11

Source of citations: SCOPUS

Corresponding author: Yes

Citations: 43

- 45** Muñoz-Fernández R; Prados A; Tirado-González I; Martín F; Abadía AC; Olivares EG.. Contractile activity of human follicular dendritic cells.. *Immunol Cell Biol*. 92(10), pp. 851 - 859. 11/2014. ISSN 1440-1711

Type of production: Scientific paper

Corresponding author: No

- 46** Hernández-Cortés P; Toledo-Romero MA; Delgado M; Clara E. Sánchez-González; Martín F; Galindo-Moreno P; O'Valle F.. PERIPHERAL NERVE RECONSTRUCTION WITH EPSILONCAPROLACTONE CONDUITS SEEDED WITH VASOACTIVE INTESTINAL PEPTIDE GENE-TRANSFECTED MESENCHYMAL STEM CELLS IN A RAT MODEL.. *Journal of Neural Engineering*. 11 - 4, pp. 046024. 05/2014. ISSN 1741-2552

Type of production: Scientific paper

Corresponding author: No

Source of citations: SCOPUS

Citations: 10

- 47** Amelia Escolano; Sara Matrinez Martinez; Arantzazu Alfranca; Katia Urso; Helena Maria Izquierdo; Mario Delgado; Francisco Martin; Guadalupe Sabio; David Sancho; Pablo Gomez-del Arco and Juan Miguel Redondo.. Specific calcineurin-targeting in macrophages confers resistance to inflammation via MKP-1 and p38. *EMBO J.*33 - 10, pp. 1117 - 1133. 03/2014. ISSN 0261-4189
Type of production: Scientific paper
Position of signature: 7
Total no. authors: 10
Source of citations: SCOPUS
Corresponding author: No
Citations: 27
- 48** Elisabeth Aguilar*; Marien Cobo* and Francisco Martin *Share authorship. Gene-modified mesenchymal stem cells:A VIP experience.*Inflammation & Regeneration.*34(4), 2014.
Type of production: Scientific paper
Corresponding author: Yes
- 49** Miguel G Toscano; Per Anderson; Pilar Muñoz; Gema Lucena; Marién Cobo; Karim Benabdellah; Philip D Gregory; Michael C Holmes; Francisco Martin. Use of zinc-finger nucleases to knock out the WAS gene in K562 cells: a human cellular model for Wiskott-Aldrich syndrome.*Disease models & mechanisms.* 6 - 2, pp. 544 - 598. 03/2013. ISSN 1754-8411
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
- 50** Per Anderson; Ana Belén Carrillo Gálvez; Angélica García Pérez; Marién Cobo; Francisco Martín. CD105 (endoglin)-negative murine mesenchymal stromal cells define a new multipotent subpopulation with distinct differentiation and immunomodulatory capacities.*PLoS one.* 8 - 10, pp. e76979. 2013. ISSN 1932-6203
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
- 51** Marién Cobo; Per Anderson; Karim Benabdellah; Miguel G Toscano; Pilar Muñoz; Angélica García Pérez; Iván Gutierrez; Mario Delgado; Francisco Martin. Mesenchymal stem cells expressing vasoactive intestinal peptide ameliorate symptoms in a model of chronic multiple sclerosis.*Cell transplantation.* 22 - 5, pp. 839 - 893. 2013. ISSN 0963-6897
Type of production: Scientific paper
Format: Journal
Position of signature: 9
Total no. authors: 9
Corresponding author: Yes
- 52** Tirado-González I; Muñoz-Fernández R; Prados A; Leno-Durán E; Martin F; Abadía-Molina AC; Olivares EG.. Apoptotic DC-SIGN+ cells in normal human decidua .*Placenta.*33(4), pp. 257 - 263. 2012.
Type of production: Scientific paper
Corresponding author: No
- 53** Guadalupe Zaldívar Lelo de Larrea; Francisco Martin; Carlos Francisco Sosa Ferreyra; Javier Ávila Morales; Miguel Lloret Rivas; Monserrat Román Lara; Genaro Vega Malagón. Cáncer cérvicouterino y virus del papiloma humano. *Revista chilena de obstetricia y ginecología.* 77 - 4, pp. 315 - 323. *SciELO Chile*, 2012.
Type of production: Scientific paper
Format: Journal
Corresponding author: No
- 54** Ramos-Mejía V; Fernández AF; Ayllón V; Real PJ; Bueno C; Anderson P; Martín F; Fraga MF; Menendez P... Maintenance of Human Embryonic Stem Cells in Mesenchymal Stem Cell-Conditioned Media Augments Hematopoietic Specification .*Stem Cells Dev.*21(9), pp. 1549 - 1558. 2012. ISSN 1557-8534
Type of production: Scientific paper

Corresponding author: No

- 55** Pilar Muñoz; Miguel G Toscano; Pedro J Real; Karim Benabdellah; Marién Cobo; Clara Bueno; Verónica Ramos Mejía; Pablo Menendez; Per Anderson; Francisco Martín. Specific marking of hESCs-derived hematopoietic lineage by WAS-promoter driven lentiviral vectors. *PloS one.* 7 - 6, pp. e39091. 2012. ISSN 1932-6203

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 56** M G Toscano; Z Romero; P Muñoz; M Cobo; K Benabdellah; F Martin. Physiological and tissue-specific vectors for treatment of inherited diseases. *Gene therapy.* 18 - 2, pp. 117 - 144. 02/2011. ISSN 1476-5462

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 57** Romero Z; Torres S; Cobo M; Muñoz P; Unciti JD; Martin F* and Molina IJ* * Share senior authorship and corresponding author.. A Tissue-Specific, Activation-Inducible, Lentiviral Vector Regulated By Human Cd40I Proximal Promoter Sequences. *Gene Therapy.* 18, pp. 364 - 371. 2011.

Type of production: Scientific paper

Corresponding author: Yes

- 58** Karim Benabdellah; Marién Cobo; Pilar Muñoz; Miguel G Toscano; Francisco Martin. Development of an all-in-one lentiviral vector system based on the original TetR for the easy generation of Tet-ON cell lines. *PloS one.* 6 - 8, pp. e23734. 2011. ISSN 1932-6203

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 59** Toscano MG; Degado M; Kong W; Martin F and Doina Ganea.. Dendritic Cells Transduced With Lentiviral Vectors Expressing Vasoactive Intestinal Peptide (Vip) Differentiate Into Vip-Secreting Tolerogenic-Like DC. *Molecular Therapy.* 18(5), pp. 1035 - 1045. 2010.

Type of production: Scientific paper

Corresponding author: No

- 60** Miguel G Toscano; Karim Benabdellah; Pilar Muñoz; Cecilia Frecha; Marién Cobo; Francisco Martín. Was cDNA sequences modulate transgene expression of was promoter-driven lentiviral vectors. *Human gene therapy.* 20 - 11, pp. 1279 - 1369. 11/2009. ISSN 1557-7422

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 61** Macias D; Oya R; Saniger L; Martin F; Luque F.. A lentiviral vector that activates latent human immunodeficiency virus-1 proviruses by the overexpression of tat and kills the infected cells. *Human Gene Therapy.* 20, pp. 1259 - 1268. 2009.

Type of production: Scientific paper

Corresponding author: No

- 62** .. Safer Vectors for Gene Therapy of Primary Immunodeficiencies. *Current Gene Therapy.* 9, pp. 291 - 305. 2009.

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

- 63** C Frecha; M G Toscano; C Costa; M J Saez Lara; F L Cosset; E Verhoeyen; F Martin. Improved lentiviral vectors for Wiskott-Aldrich syndrome gene therapy mimic endogenous expression profiles throughout haematopoiesis. *Gene therapy.* 15 - 12, pp. 930 - 971. 06/2008. ISSN 1476-5462

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes



- 64** Mario Delgado; Miguel G Toscano; Karim Benabdellah; Marien Cobo; Francisco O'Valle; Elena Gonzalez Rey; Francisco Martín. In vivo delivery of lentiviral vectors expressing vasoactive intestinal peptide complementary DNA as gene therapy for collagen-induced arthritis. *Arthritis and rheumatism*. 58 - 4, pp. 1026 - 1063. 04/2008. ISSN 0004-3591
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 65** .. Hematopoietic specific lentiviral vectors circumvent potential toxicity problems caused by ectopic expression of Wiskott-Aldrich Syndrome protein. *Human Gene Therapy*. 19(2), pp. 179 - 197. 2008.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 66** .. Improved lentiviral vectors for Wiskott-Aldrich syndrome gene therapy mimic endogenous expression profiles throughout haematopoiesis. *Gene Therapy*. 15(12), pp. 931 - 941. 2008.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 67** FJ Blanco; C Frecha; F Martín; M Kimatrai; AC Abadía-Molina; JM García-Pacheco and EG Olivares.. Follicular Dendritic Cells Are Related With Bone Marrow Stromal Cell Progenitors and With Myofibroblasts. *Journal of Immunology*. 177(1), pp. 280 - 289. 2006.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 68** María José Sáez-Lara; Cecilia Frecha; Francisco Martín; MG Toscano; Rosa M. Santisteban-Bailón; Francisco Abadía; Ángel Gil; Luis Fontana. Transplantation Of Human Cd34+ Stem Cells From Umbilical Cord Blood To Rats With Thioacetamide-Induced Liver Cirrhosis. *Xenotransplantation*. 13, pp. 529 - 535. 2006.
Type of production: Scientific paper **Format:** Journal
- 69** L Chan; D Nesbeth; T MacKey; J Galea-Lauri; J Gäken; F Martin; M Collins; G Mufti; F Farzaneh; D Darling.. Conjugation of lentivirus to paramagnetic particles via non-viral proteins allows efficient concentration and infection of primary Acute Myeloid Leukaemia cells. *Journal of Virology*. 79(20), pp. 13190 - 13194. 2005.
Type of production: Scientific paper **Format:** Journal
- 70** M kimatrai; O Blanco; R Muñoz-Fernandez; I Tirado; F Martin; AC Abadía-Molina; EG Olivares.. Contractile Activity of Human Decidual Stromal Cells. II. Effect of Interleukin-10. *J Clin Endocrinol Metab*. 90(11), pp. 6126 - 6130. 2005.
Type of production: Scientific paper **Format:** Journal
- 71** .. Lentiviral Vectors Transcriptionally Targeted To Hematopoietic Cells by WASP gene proximal promoter sequences. *Gene Therapy*. 12(8), pp. 715 - 723. 2005.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 72** .. EFFICIENT LENTIVIRAL TRANSDUCTION OF T CELLS FROM PRIMARY IMMUNODEFICIENCY PATIENTS IMMORTALIZED WITH HERPESVIRUS SAIMIRI AS A MODEL FOR GENE THERAPY. *Gene Therapy*. 11(12), pp. 956 - 961. 2004.
Type of production: Scientific paper **Format:** Journal
- 73** S Chowdhury; KA Chester; J Bridgewater; MK Collins and F Martin. Efficient retrovirus targeting of CEA-positive tumours. *Molecular Therapy*. 9(1), pp. 85 - 92. 2004.
Type of production: Scientific paper **Format:** Journal



- 74** Ikeda Y.; Takeuchi Y.; Martín F.; Cosset F.L.; Mitrophanous K.; and Collins M.. Continuous high-titer HIV-1 vector production. *Nature Biotechnology*. 21(5), pp. 569 - 572. 2003.
Type of production: Scientific paper **Format:** Journal
- 75** Martín F*; Chowdhury S; Neil S; Chester K; Cosset F-L and Collins MK. Targeted retroviral infection of tumor cells by receptor co-operation. *Journal of Virology*. 77(4), pp. 2753 - 2756. 2003.
Type of production: Scientific paper **Format:** Journal
- 76** Martín F*; Chowdhury S; Neil S; Phillipps N and Collins MK. Envelope targeted retroviruses transduce melanoma xenografts but not spleen or liver. *Molecular Therapy*. 5(3), pp. 269 - 274. 2002.
Type of production: Scientific paper **Format:** Journal
- 77** Martín F*; Neil S*; Ikeda Y; Collins M.. Post-entry restriction to HIV-based vector transduction in human monocytes. *Journal of Virology*. 75(12), pp. 5448 - 5456. 2001.
Type of production: Scientific paper **Format:** Journal
- 78** López; MC; Olivares M; González; CI; Martín; F; García Pérez; JL; Thomas; MC.. Elementos móviles: ¿Ventaja evolutiva o parasitismo molecular?. *Ars Pharmaceutica*. 40(1), pp. 5 - 24. 1999.
Type of production: Scientific paper **Format:** Journal
- 79** Hatziioannou T.; Delahaye E.; Martín F.; Russell S.J.; Cosset F.L.. Retroviral display of functional binding domains fused to the amino terminus of influenza hemagglutinin. *Human Gene Therapy*. 10(9), pp. 1533 - 1544. 1999.
Type of production: Scientific paper **Format:** Journal
- 80** Martín F; Neil S; Kupsch J; Maurice M; Cosset F; Collins M.. Retrovirus targeting by tropism restriction to melanoma cells. *Journal of Virology*. 73(8), pp. 6923 - 6929. 1999.
Type of production: Scientific paper **Format:** Journal
- 81** Martín F; Kupsch J; Takeuchi Y; Russell S; Cosset FL; Collins M.. Retroviral vector targeting to melanoma cells by single-chain antibody incorporation in envelope. *Human Gene Therapy*. 9(5), pp. 737 - 746. 1998.
Type of production: Scientific paper **Format:** Journal
- 82** González CI; Thomas; MC; Martín F; López MC. Actividad RT-like en el elemento móvil L1Tc. *Ars Pharmaceutica* 38(2-3), 221-227 (1997). 38(2 - 3), pp. 221 - 227. 1997.
Type of production: Scientific paper **Format:** Journal
- 83** Olivares; M; Martín F; Marañón C; López; A; López MC. Caracterización molecular de un retrotransposón No-LTR. Organización genómica y modelo de integración molecular. *Ars Pharmaceutica* 38:2-3,209-220 (1997). 38(2 - 3), pp. 209 - 220. 1997.
Type of production: Scientific paper **Format:** Journal
- 84** Martín F; Puertas C; Thomas MC; Marañón C; Patarroyo ME; Martín J; Alonso C; López MC. Identification of a *Trypanosoma cruzi* antigenic epitope implicated in the infectivity of fibroblast LLC-MK2 cells. *Parasitology Research*. 83(3), pp. 226 - 232. 1997.
Type of production: Scientific paper **Format:** Journal
- 85** González C.I; Thomas; M.C.; Martín; F.; Alcami J.; Alonso C.; and López M.C. Reverse transcriptase-like activity in *Trypanosoma cruzi*. *Acta Tropica*. 63, pp. 117 - 126. 1997.
Type of production: Scientific paper **Format:** Journal

- 86** Martín F; Olivares M; López MC; Alonso C. Do non-long terminal repeat retrotransposons have nuclease activity?. Trends in Biochemical Sciences. 21(8), pp. 283 - 285. 1996.
Type of production: Scientific paper **Format:** Journal
- 87** Martín F; Marañón C; Olivares M; Alonso C and López MC. Characteritation of a Non-long Terminal Repeat retrotransposon cDNA (I1Tc) from Trypanosoma cruzi: Homology of the first ORF with the Ape Family of DNA Repair Enzymes. Journal of Molecular Biology. 247, pp. 49 - 59. 1995.
Type of production: Scientific paper **Format:** Journal
- 88** Requena J.M.; Martín F.; M.C. Lopez Ñopez; Alonso C. A highly repetitive sequence of Trypanosoma cruzi is transcribed into poly (A) RNA and defines the poliadenilation site. Gene. 146, pp. 245 - 250. 1994.
Collection: Nuevas tendencias (C.S.I.C.) España
Type of production: Scientific paper **Format:** Journal
- 89** Martin J; Martin F.; Puerta C; Lopez MC Capitulo: Nueva generación de vacunas antiparasitarias. Cytoplasmic nuclear translocation of the HSP70 protein during enviromental stress in Trypanosoma cruzi. Biochem Biophysical Research Communications. 196, pp. 1155 - 1162. 1993.
Collection: Nuevas tendencias (C.S.I.C.) España
Type of production: Scientific paper **Format:** Journal
- 90** Francisco Martin; María Tristán-Manzano; Marien Cobo. Stable Genetic Modification of Mesenchymal Stromal Cells Using Lentiviral Vectors. Viral Vectors for Gene Therapy - Springer Protocols. pp. 267 - 280. Human Press, 2019. ISBN 978-1-4939-9064-1
Type of production: Book chapter
- 91** Francisco Martin; Sabina Sanchez Hernandez; Alejandra Guterrez Gerrero; Karim Benabdellah. Stem Cells for Modeling Human Disease. Pluripotent Stem Cells - From the Bench to the Clinic. 13, INtech, 20/07/2016. ISSN 1934-5909
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 92** Francisco Martin; Sabina Sanchez Hernandez; Alejandra Guterrez Gerrero; Karim Benabdellah. Gene Delivery Technologies for efficient genome editing: aplicaciones in gene therapy. Modern Tools for Genetic Engineering. 2, INtech, 04/07/2016. ISBN 978-953-51-2234-0
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 93** Olivares; M.; Gonzalez; Cl.; Thomas; MC.; Porras; R.; Marañón; C.; Garcia-Perez; JL.; Martín; F. and Lopez M.C Capitulo: Mecanismo de integracion en el genoma de los elementos móviles tipo L. Mecanismo de integracion en el genoma de los elementos móviles tipo LINE: su implicacion en la activacion tumoral. Unidad Mixta de Investigaciones Medicas. 86 Pgs 86 - 97, Unidad Mixta de Investigaciones Medicas., 1998.
Type of production: Book chapter **Format:** Journal
- 94** Benabdellah K; Gutierrez A; Sanchez S; Martin F. Terapia génica mediante nucleasas específicas: Haca la cirugía genética. Cuadernos de autoinmunidad. pp. 183 - 195. 2015.
Type of production: Scientific book or monograph **Format:** Journal
Corresponding author: Yes
- 95** F. Martin; K. A. Gutierrez- Guerrero; K. Benabdellah Capitulo: Gene Therapy for primary Immunodeficiencies Libro: Gene Therapy-Tools and. Gene Therapy - Developments and Future Perspectives. InTech. <http://www.intechopen.com/books/gene-therapy-tools-and-potential-applications/gene-therapy-for-primary-immunodeficiencies>, 02/2013. ISBN 978-953-51-1014-9
Type of production: Scientific book or monograph **Format:** Book

- 96** Gene Therapy-Tools and Potential Applications. Gene Therapy-Tools and Potential Applications. Francisco Martin (Ed.). INtech, 2013. ISBN 978-953-51-1014-9
Type of production: Scientific book or monograph **Format:** Book
Corresponding author: Yes
- 97** F. Martin; K. Benabdellah; M. Cobo; P. Muñoz; P Anderson MG Toscano Capitulo: New Vectors for Stable and Safe Gene Modification; Libro: Gene Therapy - Developments and Future Perspectives. Chunsheng Kang (Ed.). Gene Therapy - Developments and Future Perspectives. : New Vectors for Stable and Safe Gene Modification. InTech, Available from: <http://www.intechopen.com/articles/show/title/new-vectors-for-stable-and-safe-gene-modification,06/2011>. ISBN 978-953-307-617-1
Type of production: Scientific book or monograph **Format:** Book
Corresponding author: Yes
- 98** Cristina Maccalli; Cameron Turtle; Axel Schambach; Francisco Martin. "Engineered Immune Cells in Cancer Immunotherapy (EICCI)". Frontiers in Immunology. Frontiers, 03/11/2020.
Type of production: Scientific edition **Format:** Journal
Position of signature: 4 **Degree of contribution:** Editor or co-editor
Total no. authors: 4 **Corresponding author:** Yes
Impact source: ISI **Category:** Immunology
Impact index in year of publication: 7,5 **Journal in the top 25%:** Yes
Position of publication: 38 **No. of journals in the cat.:** 158
- 99** Houssam Aheget; María Tristán-Manzano; Francisco Martin; Karim Benabdellah. Exosome: A New Player in Translational Nanomedicine. Journal of Clinical Medicine. 9 - 8, pp. 2380. MDPI AG, 26/07/2020.
Type of production: Review **Format:** Journal
Corresponding author: No
Reviews in journals: 19
- 100** Hans JJ van der Vliet; Francisco Martin; Cristina Maccalli. Proceedings from the First International Workshop at Sidra Medicine: "Engineered Immune Cells in Cancer Immunotherapy (EICCI): from Discovery to Off-the-Shelf Development. Translating the Potency of the Anti-Cancer Immune System into Overall. Frontiers in Immunology. 11/01/2021.
Type of production: Bibliographic review **Format:** Journal
Position of signature: 13
Total no. authors: 17 **Corresponding author:** No
Impact source: ISI **Category:** Immunology
Impact index in year of publication: 7,5 **Journal in the top 25%:** Yes
Position of publication: 38 **No. of journals in the cat.:** 158
- 101** Houssam Aheget; Francisco Martin; Karim Benabdellah. Exosome: Their Role in Pathogenesis, Diagnosis and Treatment of Diseases. Cancers. 13 - 1, pp. 84. 30/12/2020.
Type of production: Bibliographic review **Format:** Journal
Corresponding author: No
Impact source: ISI **Category:** Cancer Research
Impact index in year of publication: 6,6
Position of publication: 51 **No. of journals in the cat.:** 242
Reviews in journals: 11

- 102** Maria Tristan Manzano; Francisco Martin. Externally-controlled systems for immunotherapy: from bench to bedside. *Frontiers in Immunology*. *Frontiers*, 28/07/2020.
Type of production: Bibliographic review **Format:** Journal
Position of signature: 6 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 6 **Corresponding author:** Yes
Impact source: ISI **Category:** Immunology
Impact index in year of publication: 7,5 **Journal in the top 25%:** Yes
Position of publication: 38 **No. of journals in the cat.:** 158
Reviews in journals: 3
- 103** Martin F; Gutierrez-Guerrero A; Sanchez S; Benabdellah K; Giuseppe Galvani. Genome editing: An alternative to retroviral vectors for Wiskott-Aldrich Syndrome?. *Expert Opinion on Orphan Drugs*. 4 - 3, pp. 281 - 289. 2016.
Type of production: Bibliographic review **Format:** Journal
Corresponding author: Yes
- 104** Per Anderson; Ana Carrillo-Galvez; Francisco Martin. Isolation of Murine Adipose Tissue-derived Mesenchymal Stromal Cells (mASCs) and the Analysis of Their Proliferation in vitro. *Bio-Protocol*. 5 - 21, Bio-protocol LLC, 07/05/2015.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: No

Works submitted to national or international conferences

- 1** **Title of the work:** Ponencia invitada: New Genetic Modification Tools for Model Generation and Therapy: Applications to Car-T Therapy.
Name of the conference: INTERNATIONAL PhD SCHOOL MODELING NATURE (MNat)
Corresponding author: Yes
City of event: Granada, Spain
Date of event: 18/06/2024
End date: 19/06/2024
Organising entity: Unidad de excelencia MODELING NATURE (MNat)
- 2** **Title of the work:** Ponencia invitada: Synergy between radiotherapy and CAR T-cells in solid tumours.
Name of the conference: Jornada Post-ESTRO: En la Vanguardia de la Radioncología
Corresponding author: Yes
City of event: Sevilla, Spain
Date of event: 14/06/2024
End date: 14/06/2024
Organising entity: INSTITUTO DE BIOMEDICINA DE SEVILLA **Type of entity:** State agency
- 3** **Title of the work:** Ponencia Oral: Development of first-in-class doxycycline-inducible IL-18 secreting CAR-T cells targeting aggressive tumors..
Name of the conference: Congreso de la Sociedad Española de Terapia Genica y Celular .
Corresponding author: Yes
City of event: Pamplona, Spain
Date of event: 19/06/2023
End date: 21/06/2023
Organising entity: Sociedad Española de Terapia Genica y Celular .



Justicia Lirio; Martin.

- 4** **Title of the work:** Ponencia Oral: Memory Universal CD19-CAR-T cells: a new strategy against B-cell malignancies.
Name of the conference: Congreso de la Sociedad Española de Terapia Genica y Celular .
Corresponding author: Yes
City of event: Pamplona, Spain
Date of event: 19/06/2023
End date: 21/06/2023
Organising entity: Sociedad Española de Terapia Genica y Celular .
Pavlovic; Martin.
- 5** **Title of the work:** Ponencia Oral: Lentiviral vectors for inducible, transactivator-free advanced therapy medicinal products: application to CAR-T cells..
Name of the conference: Congreso de la Sociedad Española de Terapia Genica y Celular .
Corresponding author: Yes
City of event: Pamplona, Spain
Date of event: 19/06/2023
End date: 21/06/2023
Organising entity: Sociedad Española de Terapia Genica y Celular .
Tristán Manzano; Martin.
- 6** **Title of the work:** Ponencia invitada: Terapia genica de enfermedades neuromusculares.
Name of the conference: Congreso de la Sociedad Española de Pediatría
City of event: Granada, Spain
Date of event: 01/06/2023
End date: 01/06/2023
Organising entity: Sociedad Española de Pediatría
Francisco Martin.
- 7** **Title of the work:** Ponencia invitada: CRISPNA Bio; a new start-up based on a new tool that combine Cas proteins with PNAs..
Name of the conference: 1sr meeting of the COST action for translation genome editing for the treatment of human diseases: GeneHumDi
City of event: Granada, Spain
Date of event: 13/03/2023
End date: 15/03/2023
Organising entity: COST GeneHumDi
Francisco Martin.
- 8** **Title of the work:** Ponencia Oral: Feasibility of generating universal ARI-0001 T cells for the treatment of type B malignancies
Name of the conference: European Society of gene and cell Therapy annual meeting.
Corresponding author: Yes
City of event: Edimburg, United Kingdom
Date of event: 11/10/2022
End date: 14/10/2022
Organising entity: European Society of gene and cell Therapy
Maldonado Perez; Martin.

- 9** **Title of the work:** Ponencia Oral: Lent-On-Plus: An All-in-one transactivator-free doxycycline inducible LVs ready for clinical applications .
Name of the conference: European Society of gene and cell Therapy annual meeting.
Corresponding author: Yes
City of event: Edimburg, United Kingdom
Date of event: 11/10/2022
End date: 14/10/2022
Organising entity: European Society of gene and cell Therapy
Blanco; Martin.
- 10** **Title of the work:** Ponencia Oral: Generatoin of first-in-class doxycycline-inducible IL18 releasing CAR-T cells targeting solid tumors.
Name of the conference: European Society of gene and cell Therapy annual meeting.
Corresponding author: Yes
City of event: Edimburg, United Kingdom
Date of event: 11/10/2022
End date: 14/10/2022
Organising entity: European Society of gene and cell Therapy
Justicia Lirio; Martin.
- 11** **Title of the work:** Ponencia invitada: Role of gene therapy in Cancer immunotherapy.
Name of the conference: XL Congress of the Spanish society of physiological sciences (joint meeting between Spanish and Portuguese physiologists)
Corresponding author: Yes
City of event: Badajoz, Spain
Date of event: 19/09/2022
End date: 22/09/2022
Organising entity: Spanish society of physiological sciences
City organizing entity: White - Other, Spain
Francisco Martín.
- 12** **Title of the work:** Ponencia invitada: Papel de la terapia génica en el campo de la inmunoterapia del cancer.
Name of the conference: 1er Simposio internacional de terapias Avanzadas
Corresponding author: Yes
City of event: Bogotá, Colombia
Date of event: 21/07/2022
End date: 22/07/2022
Organising entity: Secretaría Distrital de Salud - SDS
Francisco Martin.
- 13** **Title of the work:** Ponencia invitada: Vectores virales y edición genómica, aliados en la lucha contra el cáncer.
Name of the conference: II Simposio de Terapias Avanzadas y Tecnologías Biomédicas. IBS-Granada
Corresponding author: Yes
City of event: Granada,
Date of event: 17/12/2021
Organising entity: IBS Granada

- 14** **Title of the work:** Poencia invitada: Improving CAR-T cells performance through the control of transgene expression
Name of the conference: The 20th International Conference on Progress in Vaccination Against Cancer (PIVAC21).
Corresponding author: Yes
City of event: Granada,
Date of event: 24/09/2021
Organising entity: PIVAC
- 15** **Title of the work:** Ponencia invitada: Mejora de la eficacia y seguridad de las células CAR-T mediante el control de la expresión génica.
Name of the conference: Jornada CAR-T Andalucía.
Corresponding author: Yes
Date of event: 02/12/2020
Organising entity: RANTECAR
City organizing entity: Sevilla,
- 16** **Title of the work:** Ponencia invitada: Redirigiendo el modo de hacer inmunoterapia (CAR-T).
Name of the conference: Foro de Innovación: II Jornada: La medicina del presente.
Corresponding author: Yes
City of event: Granada,
Date of event: 15/10/2020
Organising entity: MSD
- 17** **Title of the work:** Ponencia: invitada Improving delivery of gene edition tools for cell-gene therapy
Name of the conference: 1st International Congress of the Moroccan Society of Genomics and Human Genetics (SM2GH).
Corresponding author: Yes
City of event: Agadir, Morocco
Date of event: 19/12/2019
End date: 21/12/2019
Organising entity: Moroccan Society of Genomics and Human Genetics
City organizing entity: Agadir,
- 18** **Title of the work:** Ponencia invitada: Engineered immune cells in Cancer immunotherapy: from discovery to "off the shelf" development
Name of the conference: Qatar´s first International Workshop on Engineered Immune Cells in Cancer Immunotheraperyy.
Corresponding author: Yes
City of event: Doha, Qatar
Date of event: 15/02/2019
End date: 17/02/2019
Organising entity: SIDRA Medicine
City organizing entity: Doha,
- 19** **Title of the work:** Ponencia invitada: The importance of controlling CAR-expression for CAR-T cells activity.
Name of the conference: II Reunión grupo CARs España.
Corresponding author: Yes
Date of event: 01/02/2019
Organising entity: Sociedad española de hematología



- 20** **Title of the work:** Ponencia invitada: CAR T cells from the gene therapy perspective.
Name of the conference: Biospain 2018
Corresponding author: Yes
City of event: Sevilla,
Date of event: 25/09/2018
End date: 27/09/2018
Organising entity: Biospain
- 21** **Title of the work:** Ponencia invitada: Development of efficient and safe gene delivery tools: applications to rare diseases and cancer.
Name of the conference: 5 international simposio in Bacteriology.
Corresponding author: Yes
City of event: Bucaramanga, Colombia
Date of event: 03/05/2018
Organising entity: Universidad de Santander-Colombia
City organizing entity: Bucaramanga,
- 22** **Title of the work:** Ponencia invitada: Gene cell Therpay for Pompe disease.
Name of the conference: 5 international simposio in Bacteriology.
Corresponding author: Yes
City of event: Bucaramanga, Colombia
Date of event: 03/05/2018
Organising entity: Universidad de Santander-Colombia
City organizing entity: Bucaramanga,
- 23** **Title of the work:** Ponencia invitada: Improving delivery o gene edition tools for cell-gene therapy
Name of the conference: 9th Bienal Congress of the SETGyC .
Corresponding author: Yes
City of event: Palma de Mallorca,
Date of event: 14/03/2018
End date: 16/03/2018
Organising entity: SETGyC
- 24** **Title of the work:** Ponencia invitada: Dox-responsive universal CAR T Cells.
Name of the conference: II Reunión grupo CARs español. Sociedad española de hematología.
Corresponding author: Yes
City of event: Madrid,
Date of event: 12/03/2018
Organising entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
- 25** **Title of the work:** Ponencia: Generación de MSCs 2.0 para su aplicación clínica.
Name of the conference: Establecimiento de una red de intercambio del conocimiento en el área de medicina regenerativa, la terapi génica y celular y su aplicación clínica
Corresponding author: Yes
City of event: La Antigua, Guatemala
Date of event: 14/11/2017
End date: 17/11/2017
Organising entity: Minicsterio de cooperación internacional



- 26** **Title of the work:** Ponencia: Inmunoterapia para el tratamiento de enfermedades autoinmunes y cancer.
Name of the conference: Establecimiento de una red de intercambio del conocimiento en el área de medicina regenerativa, la terapi génica y celular y su aplicación clínica
City of event: La Antigua, Guatemala
Date of event: 14/11/2017
End date: 17/11/2017
Organising entity: Minicsterio de cooperación internacional
- 27** **Title of the work:** Ponencia: Gene Therapy reeaches the clinic.
Name of the conference: II SPring School of the European Society of Gene and Cell Therapy.
City of event: Paraninfo. Facultasd de de Medicina de la Universidad de Granada. Granada. España,
Date of event: 04/04/2017
Organising entity: European Society of Gene and Cell Therapy.
F Martín.
- 28** **Title of the work:** Ponencia: Proyecto CARs-T Cells.
Name of the conference: I Reunión grupo CARs español. Sociedad española de hematología.
City of event: Madrid,
Date of event: 17/03/2017
Organising entity: Sociedad española de hematología.
F Martín.
- 29** **Title of the work:** Ponencia: Terapia génica en Andalucía.
Name of the conference: Jornada de investigación en hematología en Andalucía.
Corresponding author: Yes
City of event: Instituto Maimónides de Investigación Biomédica. Hospital Universitario Reina Sofía. Cordoba España,
Date of event: 10/02/2017
Organising entity: Sociedad española de hematología
City organizing entity: Carodoba,
F Martín.
- 30** **Title of the work:** Ponencia: Herramientas de edición genómica.
Name of the conference: Seminario para el establecimiento de una red de intercambio de conocimiento en las áreas de medicina regenerativa, terpai génica y celular, y su aplicación clínica
Corresponding author: Yes
City of event: Cartagena de Indias., Colombia
Date of event: 21/11/2016
Organising entity: Ministerio de Colaboración INternacional
F Martín.
- 31** **Title of the work:** Ponencia: Vectores lentivirales
Name of the conference: Seminario para el establecimiento de una red de intercambio de conocimiento en las áreas de medicina regenerativa, terpai génica y celular, y su aplicación clínica
Corresponding author: Yes
City of event: Cartagena de Indias., Colombia
Date of event: 21/11/2016
Organising entity: Ministerio de Colaboración Internacional
City organizing entity: Madrid,
F Martín.

- 32** **Title of the work:** Ponencia: Nucleasas específicas en modelos de enfermedad.
Name of the conference: II Simposio sobre herramientas para edición genética: Estrategias y aplicaciones
Corresponding author: Yes
City of event: Madrid,
Date of event: 11/11/2016
Organising entity: Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas
Type of entity: Public Research Body
F Martín.
- 33** **Title of the work:** Ponencia: Terapia génica de enfermedades raras mediante HSCs modificadas genéticamente.
Name of the conference: VII congreso internacional de glucogenosis
Corresponding author: Yes
City of event: Toledo,
Date of event: 07/2016
Organising entity: Asociación de pacientes con glucogenosis
F Martín.
- 34** **Title of the work:** Ponencia: Vectores
Name of the conference: I Reunión Instituto enfermedades raras.
Corresponding author: Yes
City of event: Hospital Universitario Reina Sofía Córdoba . España,
Date of event: 17/06/2016
Organising entity: Shire Biotech
F Martín.
- 35** **Title of the work:** Ponencia: Terapia génica del síndrome de Wiskott-Aldrich: hacia la expresión fisiológica del gen terapéutico.
Name of the conference: XLVIII lección conmemorativa Jimenez Diaz .
Corresponding author: Yes
City of event: Hospital Universitario Fundación Jimenez Diaz. Madrid . España,
Date of event: 17/05/2016
Organising entity: Fundación Jimenez Diaz
City organizing entity: Madrid,
F Martín.
- 36** **Title of the work:** Oral: Preclinical studies of LentiVIP transduced Mesenchymal Stromal Cells for the treatment of multiple sclerosis.
Name of the conference: II Seville Molecular Medicine Workshop. Cell Therapy, Molecular Mechanisms and Clinical translation..
Corresponding author: Yes
City of event: Sevilla .Spain,
Date of event: 2016
Organising entity: INSTITUTO DE BIOMEDICINA DE SEVILLA
Type of entity: State agency
Marién Cobo; Benabdellah K; Mario Delgado; E Gonzalez-Rey; Pablo Menendez; Per Anderson; René Rodriguez and Martin F.
- 37** **Title of the work:** Poster: Comparison of genome editing tools for Wiskott-Aldrich syndrome gene therapy .
Name of the conference: European meeting on gene and Cell Therapy. ESGCT XXIV Annual congress.
Corresponding author: Yes
City of event: Florencia .Italy,

Date of event: 2016

Organising entity: ESGCT

A Gutierrez.Guerrero; S. Sánchez-Hernandez; G Galvani; J Pinedo-Gomez; MG Toscano; M Cobo; PD Gregory; MC Holmes; K Benabdellah; F. Martin.

38 Title of the work: Poster: Preclinic studies for Wiskott-Aldrich Syndrome gene therapy: expression levels in megakaryocytic lineage.

Name of the conference: European meeting on gene and Cell Therapy. ESGCT XXIV Annual congress.

Corresponding author: Yes

City of event: Florencia .Italy,

Date of event: 2016

Organising entity: ESGCT

A. Sanchez-Gilbert; M Tristán; P Muñoz; AJ Thrasher; A. Galy; C. Herrera; F. Martin.

39 Title of the work: Ponencia: Nucleasas específicas como herramientas para terapia génica..

Name of the conference: 3er COngreso Internacional Universidad de Querétano

Corresponding author: Yes

City of event: Querétano. México, Mexico

Date of event: 09/09/2015

End date: 11/09/2015

Organising entity: Universidad de Querétano

F Martín.20/09/2013.

40 Title of the work: Gene edition tools for Wiskott-Aldrich syndrome gene therapy

Name of the conference: The ASGCT 18th Annual meeting..

City of event: New Orleans. USA,

Date of event: 2015

Organising entity: ASGCT

City organizing entity: New Orleans, United States of America

Gutierrez-Gurrero A; Sabina Sanchez-Hernández; Galvani G; Miguel G.Toscano M; PD Gregory; MC HolmesD; Benabdellah K and Martin F.

41 Title of the work: Ponencia: Improvement of integrative deficient lentiviral vectors design

Name of the conference: SETGyC Congress 2015 .

Corresponding author: Yes

City of event: Helsinki, Finland,

Date of event: 2015

Organising entity: SETGyC

City organizing entity: San Sebastián, Spain

Sabina Sanchez-Hernández; Gutierrez-Gurrero A; Fuster J; Benabdellah K and Martin Fn.

42 Title of the work: Ponencia: Improving gene edition tools for Wiskott-Aldrich syndrome gene therapy

Name of the conference: SETGyC Congress 2015 .

Corresponding author: Yes

City of event: Madrid, Spain

Date of event: 2015

Organising entity: SETGyC

Gutierrez-Gurrero A; Sabina Sanchez-Hernández; Galvani G; Garcia-Toscano M; Cobo M; Holmes; MC; Gregory PD; Benabdellah K and Martin F.

- 43** **Title of the work:** Ponencia: In vitro human models to study the behaviour of lentiviral vectors in megakaryocytes and platelets: applications to Wiskott-Aldrich syndrome.
Name of the conference: SETGyC Congress 2015 .
Corresponding author: Yes
City of event: San Sebastián. España,
Date of event: 2015
Organising entity: SETGyC
A Sanchez; M Avila; S Sanchez; P Muñoz; MG Toscano; M Cobo; K Benabdellah; F Martín.
- 44** **Title of the work:** Ponencia: Preclinal studies of LentiVIP transduced Mesenchymal stromal cells for the treatment of Multiple Sclerosis.
Name of the conference: SETGyC Congress 2015 .
Corresponding author: Yes
City of event: San Sebastián. España,
Date of event: 2015
Organising entity: SETGyC
M Cobo; K Benabdellah; M Delgado; E Onzalez-Rey; P Menendez; P Anderson; R Rodriguez and F Martín.
- 45** **Title of the work:** Ponencia: Nuevas estrategias terapeuticas para tratamiento de inmunodeficiencias primarias: Síndrome de Wiskott-Aldrich.
Name of the conference: Jornadas de terapias Avanzadas
City of event: Madrid. España, Spain
Date of event: 08/10/2014
Organising entity: Fundación sermes
- 46** **Title of the work:** Ponencia: El renacer de la Terapia Génica.
Name of the conference: 2do Congreso Internacional de Investigación en Biomedicina molecular .
Corresponding author: Yes
City of event: Querétano. México, Mexico
Date of event: 03/09/2014
Organising entity: University of Querétaro
City organizing entity: UNiversity of Querétaro,
F Martín.
- 47** **Title of the work:** Ponencia: Edición génica para terapia génica del síndrome de Wiskott-Aldrich: ZFNs versus CRISPR.
Name of the conference: Simposio sobre herramientas para edición génica: Ventajas y dificultades en su aplicación .
Corresponding author: Yes
City of event: Madrid. España Fecha: 3 de julio 2014 28,
Date of event: 07/2014
Organising entity: Red Tercel
F Martín.
- 48** **Title of the work:** Ponencia: Avances en Terapia Génica del síndrome de Wiskott-Aldrich
Name of the conference: Sminarios Internos CIEMAT
Corresponding author: Yes
City of event: Madrid, Spain
Date of event: 01/2014
Organising entity: Plataforma Solar de Almeria
City organizing entity: Madrid, Spain

F Martín.

- 49** **Title of the work:** Characterization of Ad-MS2 genetically modified to produce IFN β . Effectiveness in RR-EAE model
Name of the conference: 26th European Congress of Pathology
City of event: London. UK,
Date of event: 2014
Organising entity: International society of pathology
M Suardiaz-García; Carmen Marin-Bañasco; Karim Benabdellah; Laura Leyva Fernandez; Begoña Oliver Marton; M Jseús Pinto Medel; F Martín; Oscar Fernandez Fernández.
- 50** **Title of the work:** Improving gene edition tools for WAS gene therapy.
Name of the conference: The ESGCT and NVGCT Collaborative Congress
Type of participation: 'Participatory - poster
City of event: La Haya. Holanda,
Date of event: 2014
Organising entity: ESGCT
A. Gutierrez; S. Sánchez-Hernández; G. Galvani; MG Toscano; P. Gregory; M Holmes; M. Cobo; K. Banabdellah; F. Martín.
- 51** **Title of the work:** Optimizing megakaryocytic differentiation protocols from human pluripotent stem cells.
Name of the conference: The ESGCT and NVGCT Collaborative Congress
Type of participation: 'Participatory - poster
City of event: La Haya. Holanda,
Date of event: 2014
Organising entity: ESGCT
City organizing entity: Helsinki, Finland
M Bonillo; A. Sanchez; X Guerrero; V Ramos-Mejía; V. Ayllón; T Romero; M. Cobo; P J Real; F. Martín.
- 52** **Title of the work:** SCL/TAL1 enhances megakaryocytic specification of human embryonic stem cells by activating a megakaryocytic-specific transcriptional network.
Name of the conference: 12th Annual meeting of the International society for stem cell research (ISSCR)
Type of participation: 'Participatory - poster
City of event: Vancouver. Canada,
Date of event: 2014
Organising entity: International society for stem cell research
City organizing entity: Vancouver, Canada
MG Toscano; O. Navarro-Montero; V Ayllón; V Ramos-Mejia; C. Bueno; L. Laricchia-Robbio; T. Romero; M. Cobo; P. Menéndez; PJ Real and F. Martín.
- 53** **Title of the work:** Vasoactive intestinal peptide reduces the severity of atherosclerotic plaques in acute and chronic models of apolipoprotein E-deficient mice.
Name of the conference: 26th European Congress of Pathology
City of event: London. UK,
Date of event: 2014
Organising entity: International Society of Pathology
F O'Valle; V Delgado-Maroto; ML Vizoso; JA Retamero; JF González-Sánchez; J Aneiros-Fernandez; D Aguilar; F Martín; P Hernandez-Cortés; M Delgado.
- 54** **Title of the work:** WASKO Human embryonic Stem Cells as model for WAS: A new tool to study the efficacy of gene therapy strategies.
Name of the conference: 12th Annual meeting of the International society for stem cell research (ISSCR)

Type of participation: 'Participatory - poster

City of event: Vancouver, Canada

Date of event: 2014

Organising entity: International society for stem cell research

A Sanchez; MG Toscano; P Muñoz; M. Cobo; G Philip; MC Holmes and F. Martin.

55 Title of the work: Ponencia: Riesgos y Logros en Terapia Génica: El síndrome de Wiskott-Aldrich como ejemplo

Name of the conference: 1er COngreso Internacional Universidad de Querétano

Corresponding author: Yes

City of event: Querétano. México, Mexico

Date of event: 20/09/2013

Organising entity: Universidad de Querétano

F Martín.20/09/2013.

56 Title of the work: Ponencia: Logros y retos de la Terapia Génica.

Name of the conference: 1er Congreso Internacional Universidad de Querétano

City of event: Querétano. México, Mexico

Date of event: 19/09/2013

Organising entity: Universidad de Querétano

F Martín.19/09/2013.

57 Title of the work: Ponencia: Vectores de Terapia Génica: Eficiencia y/o seguridad.

Name of the conference: 1er COngreso Internacional Universidad de Querétano

Corresponding author: Yes

City of event: Querétano. México, Mexico

Date of event: 18/09/2013

Organising entity: Universidad de Querétano

F Martín.18/09/2013.

58 Title of the work: Development of a ZFN-based preclinical in vitro cell model in human embryonic stem cells for Wiskott-Aldrich syndrome.

Name of the conference: The ESGCT and SETGyC Collaborative meeting

City of event: Madrid, Spain

Date of event: 2013

Organising entity: The ESGCT and SETGyC Collaborative meeting

P Muñoz; M G. Toscano; M. Cobo; A. Sanchez-Gilabert; k. Benabdellah; A Gutierrez-Guerrero; P. Anderson; M. Holmes; PD. Gregory; F. Martín.

59 Title of the work: A Chimeric HS4-SAR insulator (IS2) that prevents silencing and enhances expression in pluripotent cells.

Name of the conference: The ESGCT and SETGyC Collaborative meeting

Type of participation: 'Participatory - poster

City of event: Madrid. Spain,

Date of event: 2013

Organising entity: ESGCT

A. Gutierrez-Guerrero; M. Cobo; P. Muñoz; F. Martin and K. Benabdellah. 2013.

60 Title of the work: CD105- murine MSCs define a new multipotent subpopulation with distinct differentiation and immunomodulatory properties

Name of the conference: The ESGCT and SETGyC Collaborative meeting

Type of participation: 'Participatory - poster

City of event: Madrid. Spain,

Date of event: 2013

Organising entity: ESGCT

Per Anderson; L. Souza-Moreira; V. Delgado-Maroto; F O'Valle; E Gonzalez-Rey; F Martin and M Delgado. 2013.

61 Title of the work: Development of a ZFN-based preclinical in vitro cell model in human embryonic stem cells for Wiskott-Aldrich syndrome.

Name of the conference: The ESGCT and SETGyC Collaborative meeting

City of event: Madrid. Spain,

Date of event: 2013

Organising entity: ESGCT

Pilar Muñoz-Fernandez; M García Toscano; M. Cobo Pulido; A. Sanchez Gilabert; K. Benabdellah; A. Gutierrez-Guerrero; Per Anderson; M. Holmes; P.D. Gregory and F. Martin. 2013.

62 Title of the work: SCL/TAL1 enhances megakaryocytic specification from human embryonic stem cells by activating a complex megakaryocytic transcriptional network.

Name of the conference: The ESGCT and SETGyC Collaborative meeting

Type of participation: 'Participatory - poster

City of event: Madrid, Spain

Date of event: 2013

Organising entity: ESGCT

MG Toscano; O. Navarro-Montero; V Ayllón; V Ramos-Mejia; C. Bueno; T. Romero; M. Cobo; F. Martin and PJ Real. 2013.

63 Title of the work: TetR-regulated all-in-one lentiviral vectors for conditional expression in human stem cells.

Name of the conference: The ESGCT and SETGyC Collaborative meeting

Type of participation: 'Participatory - poster

City of event: Madrid, Spain

Date of event: 2013

Organising entity: ESGCT

K. Benabdellah; P. Muñoz; A. Gutierrez-Guerrero; M. Cobo; A. García-Perez and F. Martin. 2013.

64 Title of the work: Ponencia: "Vector development for gene therapy in immune related diseases"

Name of the conference: I International Symposim on Cell and Gene-based Therapies

Corresponding author: Yes

City of event: Granada, Spain

Date of event: 28/06/2012

Organising entity: Instituto de Agroquímica y Tecnología de Alimentos
28/06/2012.

65 Title of the work: Ponencia: New vectors for stable and controlled protein expression for gene therapy applications.

Name of the conference: Invited Speaker PX'Pharmaceutic

Corresponding author: Yes

City of event: Grenoble. France,

Date of event: 12/06/2012

Organising entity: Px'Pharmaceutics
F Martín.12/06/2012.



- 66** **Title of the work:** Ponencia: Gene-modifies Mesenchymal stem cells for the treatment of multiple sclerosis
Name of the conference: 8th international congress on autoimmunity
Corresponding author: Yes
City of event: Granada,
Date of event: 10/05/2012
Organising entity: INternational Society of Autoimmunity
F Martín.10/05/2012.
- 67** **Title of the work:** Adipose tissue-derived mesenchymal stromal cells induce immunomodulatory macrophages in viro which ameliorate TNBS-induced colitis
Name of the conference: The European Society of Gene and Cell Therapy - ESGCT meeting
Type of participation: 'Participatory - poster
City of event: Brighton. UK,
Date of event: 2011
Organising entity: ESGCT
Per Anderson; L. Souza-Moreira; V. Delgado-Maroto; F O'Valle; E Gonzalez-Rey; F Martin and M Delgado. 2011.
- 68** **Title of the work:** Gene-cell therapy for multiple sclerosis in MOG-induced murine experimental autoimmune encephalomyelitis model
Name of the conference: The European Society of Gene and Cell Therapy - ESGCT meeting
Type of participation: 'Participatory - poster
City of event: Brighton, United Kingdom
Date of event: 2011
Organising entity: ESGCT
Marién Cobo; Per Anderson; Pilar Muñoz; Karim Benabdellah; Miguel G. Toscano; Iván Gutierrez; Mario Delgado and Francisco Martín. 2011.
- 69** **Title of the work:** Ponencia: Terapia celular-génica de un modelo murino de esclerosis múltiple
Name of the conference: III Forum de Ususarios FACS" BD Biosciences .
Corresponding author: Yes
City of event: Universidad Rey Juan Carlos. Madrid,
Date of event: 2011
Organising entity: Becton Dickinson - BD
F Martín.2019.
- 70** **Title of the work:** Tet-regulated all-in-one Lentiviral vectors system for the easy generationj of Tet-ON primeray cell lines.
Name of the conference: The European Society of Gene and Cell Therapy - ESGCT meeting
Type of participation: 'Participatory - poster
City of event: Brighton. UK,
Date of event: 2011
Organising entity: ESGCT
Karim Benabdellah; Pilar Muñoz; Marién Cobo; Miguel G. Toscano and Francisco Martín. 2011.
- 71** **Title of the work:** LVs for hESCs developmewnet-specific transgenes expression during hematopoiesis
Name of the conference: Viral vectors In Gene Therapy.
Type of participation: 'Participatory - poster
City of event: Kuopio, Finland
Date of event: 2010
Organising entity: ESGCT



Pilar Muñoz; Marién Cobo; Per Anderson; Karim Benabdellah; Miguel G. Toscano; and Francisco Martín. 2010.

- 72** **Title of the work:** WASp-promoter driven Lentiviral vectors specific expression during hematopoietic differentiation of human embryonic stem cells
Name of the conference: XVIII Annual Congress of the European Society of Gene and Cell Therapy
Type of participation: 'Participatory - poster
City of event: Milan, Italy,
Date of event: 2010
Organising entity: ESGCT
Pilar Muñoz; Marién Cobo; Per Anderson; Karim Benabdellah; Miguel G. Toscano; and Francisco Martín. 2010.
- 73** **Title of the work:** Ponencia: Terapia génica en enfermedades autoinmunes
Name of the conference: III Congreso de la Asociación andaluza de enfermedades autoinmunes.
Corresponding author: Yes
City of event: Huelva. España,
Date of event: 21/02/2009
Organising entity: Asociación andaluza de enfermedades autoinmunes
F Martín.21/02/2009.
- 74** **Title of the work:** Ponencia: Terapia génica en enfermedades autoinmunes
Name of the conference: III Congreso de la Asociación andaluza de enfermedades autoinmunes.
Corresponding author: Yes
City of event: Huelva. España,
Date of event: 21/02/2009
Organising entity: Asociación andaluza de enfermedades autoinmunes
F Martín.21/02/2009.
- 75** **Title of the work:** Dendritic Cells Transduced With Lentiviral Vectors Expressing Vasoactive Intestinal Peptide (VIP) Differentiate Into Tolerogenic-like DC.
Name of the conference: 95th Annual Meeting The American Association of Immunologists (AAI) .
Type of participation: 'Participatory - poster
City of event: San Diego. EEUU,
Date of event: 04/2008
Organising entity: American Association of Immunologists
M Toscano; F Martín and D Ganea.04/2008.
- 76** **Title of the work:** Ponencia: Aplicaciones de la terapia génica en autoinmunidad
Name of the conference: II Congreso de la Asociación andaluza de enfermedades autoinmunes.
Corresponding author: Yes
City of event: Granada. España,
Date of event: 02/2008
Organising entity: Asociación andaluza de enfermedades autoinmunes
F Martín.02/2008.
- 77** **Title of the work:** Ponencia: Desarrollo de vectores lentivirales para terapia génica del síndrome de wiskott-Aldrich
Name of the conference: 4to congreso de la sociedad española de terapia génica y celular.
Corresponding author: Yes
City of event: Madrid. Spain,



Date of event: 09/2007

Organising entity: sociedad española de terapia génica y celular
F Martín.09/2007.

78 Title of the work: Ponencia: Potentail and limitation of lentiviral vector for clinical applications

Name of the conference: Seminarios externos del IEZ-CSIC (Granada)

Corresponding author: Yes

City of event: Granada. Spain,

Date of event: 06/2007

Organising entity: CSIC

F Martín.06/2007.

79 Title of the work: Lentiviral Vectors For Wiskott-Aldrich Syndrome Gene Therapy Mimic Endogenous Expression Profiles Throughout Haematopoiesis

Name of the conference: 15th Annual Congress of the European Society of Gene Therapy

Corresponding author: Yes

City of event: Rotterdam,

Date of event: 2007

Organising entity: ESGCT

Frecha; C; Verhoeyen; E; Toscano; M; Costa; C; Cosset; FL; and Martin; F. "The Journal of Gene Medicine.". 2007. ISSN 1099-498X

80 Title of the work: Gene therapy for hematologic disorders: Fine tuning of therapeutic vectors

Name of the conference: 14th Annual Congress of the European Society of Gene Therapy

Corresponding author: Yes

City of event: Athens. Greece,

Date of event: 2006

Organising entity: ESGCT

MG Toscano; Karim Benabdellha; C Frecha; Ignacio Molina; F Martín."The Journal of Gene Medicine.". 2006. ISSN 1099-498X

81 Title of the work: Ponencia: Arming retroviral vectors for cancer immunotherapy

Name of the conference: 6th International Conference on Progress in Vaccination against Cancer (PIVAC-6)

Corresponding author: Yes

City of event: Granada. Spain,

Date of event: 2006

Organising entity: PIVAC

F Martín.2006.

82 Title of the work: Study of the performance of a lentiviral vector carrying a fragment of the WASP proximal promoter in the CD34- derived hematopoietic lineales.

Name of the conference: 14th Annual Congress of the European Society of Gene Therapy

City of event: Athens, Greece,

Date of event: 2006

Organising entity: ESGCT

C Frecha; MG Toscano; Els verhoeyen; FL Cosset; F Martín."The Journal of Gene Medicine.". 2006. ISSN 1099-498X

- 83** **Title of the work:** Lentiviral vectors for hematopoietic specific expression
Name of the conference: 13th Annual Congress of the European Society of Gene Therapy
Corresponding author: Yes
City of event: Praga, República Checa,
Date of event: 2005
Organising entity: ESGCT
K Benabdellah; MG Toscano; C Frecha; AJ Thrasher; F Martín."The Journal of Gene Medicine.". 2005. ISSN 1099-498X
- 84** **Title of the work:** Moderate ectopic WASP expression by lentiviral vectors does not alter cell viability, but overexpression result in toxic effects in non-hematopoietic cells.
Name of the conference: 13th Annual Congress of the European Society of Gene Therapy
Corresponding author: Yes
City of event: Praga, República Checa,
Date of event: 2005
Organising entity: ESGCT
MG Toscano; C Frecha; K Benabdellah; AJ Thrasher; F Martín; I Molina."The Journal of Gene Medicine.". 2005. ISSN 1099-498X
- 85** **Title of the work:** Ponencia: Cell-Gene therapy to deliver VIP for treatment of autoimmune diseases.
Name of the conference: 9th International Symposium on VIP, PACAP and Related Peptides.
Corresponding author: Yes
City of event: Kagoshima, Japón, Japan
Date of event: 2005
Organising entity: International socyety of neuropeptides
F Martín.2005.
- 86** **Title of the work:** Promoter regulation study of a hematopoietic-specific lentiviral vector in umbilical cord blood-derived CD34+ cells
Name of the conference: 13th Annual Congress of the European Society of Gene Therapy
Corresponding author: Yes
City of event: Praga, República Checa,
Date of event: 2005
Organising entity: ESGCT
C Frecha; MG Toscano; AJ Thrasher; F Martín."The Journal of Gene Medicine.". 2005. ISSN 1099-498X
- 87** **Title of the work:** Restriction analysis in lentiviral vector-trasnduced CD34+ cells from umbilical cord blood
Name of the conference: 13th Annual Congress of the European Society of Gene Therapy
Corresponding author: Yes
City of event: Praga, República Checa,
Date of event: 2005
Organising entity: ESGCT
C Frecha; K Benabdellah; MG Toscano; F Martín."The Journal of Gene Medicine.". 2005. ISSN 1099-498X
- 88** **Title of the work:** Complejos de células NK y células dendríticas en la decidua humana.
Name of the conference: XXX Congreso de la Sociedad Española de Inmunología
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Santander,
Date of event: 2004
Organising entity: SEI

I Tirado; R Muñoz-Fernandez; M Kimatrai; O Blanco; F Martín; E García Olivares. "Inmunología 23(1) Mayo 2004". 2004.

- 89** **Title of the work:** Diagnostico de paientes con síndrome de wiskott-aldrich mediante anticuerpos monoclonales con patrones diferenciados de reactividad en citometría y western blot.
Name of the conference: XXX Congreso de la Sociedad Española de Inmunología
Corresponding author: Yes
City of event: Santander,
Date of event: 2004
Organising entity: SEI
MG Toscano; C Frecha; I Molina; F Martín."Inmunología 23(1) Mayo 2004". 2004.
- 90** **Title of the work:** Reconstitución funcional de células de pacientes con el síndrome de wiskott-Aldrich.....
Name of the conference: XXX Congreso de la Sociedad Española de Inmunología
Corresponding author: Yes
City of event: Santander,
Date of event: 2004
Organising entity: SEI
F Martin; MG Toscano; M Blundell; C Frecha; G.K. Srivastava; M Santamaría; A.J. Thrasher; and IJ. Molina."Inmunología 23(1) Mayo 2004". 2004.
- 91** **Title of the work:** Vasoactive intestinal peptide reduces the severity of atherosclerotic plaques in acute and chronic models of apolipoprotein E-deficient mice.
Name of the conference: 26th European Congress of Pathology
Type of participation: 'Participatory - poster
City of event: London. UK,
Date of event: 30/08/2003
F O'Valle; V Delgado-Maroto; ML Vizoso; JA Retamero; JF González-Sanchez; J Aneiros-Fernandez; D Aguilar; F Martin; P Hernandez-Cortés; M Delgado.
- 92** **Title of the work:** Lentiviral vectors are efficient tools to achieve stable expression in Herpesvirus- saimiri immortalized T cell lines
Name of the conference: 11th Annual meeting of the European Society of Gene Therapy
City of event: Edinburgh,
Date of event: 2003
MG Toscano; C Frecha; M Santamaría; F Martín and IJ. Molina."The Journal of Gene Medicine.". 2003. ISSN 1099-498X
- 93** **Title of the work:** Modelo de rescate en inmunodeficiencias primarias mediante transducción de células T immortalizadas con herpesvirus saimiri con vectores lentivirales
Name of the conference: XXIX Congreso de la Sociedad Española de Inmunología
City of event: Cádiz,
Date of event: 2003
MG Toscano; F Martin; C Frecha; C. Ortega; M Santamaría; and IJ. Molina."Inmunología 22(1) Mayo 2003.". 2003. ISSN 0213-2002
- 94** **Title of the work:** Toward gene therapy of Wiskott-Aldrich Syndrome with regulated lentiviral vectors
Name of the conference: 11th Annual meeting of the European Society of Gene Therapy
City of event: Edinburgh,
Date of event: 2003
"The Journal of Gene Medicine.". 2003. ISSN 1099-498X



- 95** **Title of the work:** Enveloped-targeted retrovirus vectors transduce melanoma xenografts but not Spleen or Liver
Name of the conference: 9th Annual meeting of the European Society of Gene Therapy
City of event: Antalya, Turkey
Date of event: 2001
Martín F; Chowdhury S; Neil S; Phillipps N and Collins MK. "The Journal of Gene Medicine.". 2001. ISSN 1099-498X
- 96** **Title of the work:** Post-entry restriction to monocyte transduction by HIV-based vectors
Name of the conference: Tenth International Conference on Cancer Gene Therapy
Type of participation: Participatory - invited/keynote talk
City of event: London.,
Date of event: 2001
F Martin. "Gene Therapy.". 2001. ISSN 0969-7128
- 97** **Title of the work:** Post-entry restriction to monocyte transduction by HIV-based vectors
Name of the conference: Tenth International Conference on Cancer Gene Therapy
Type of participation: Participatory - invited/keynote talk
City of event: London.,
Date of event: 2001
S Neil,; Ikeda, M Collins and F Martin. "Gene Therapy.". 2001. ISSN 0969-7128
- 98** **Title of the work:** Post-entry restriction to monocyte transduction by HIV-based vectors
Name of the conference: European Conference on Experimental AIDS Research
City of event: Edinburgh,
Date of event: 2001
S Neil,; Ikeda, M Collins and F Martin. 2001.
- 99** **Title of the work:** Post-entry restriction to monocyte transduction by HIV-based vectors
Name of the conference: Primera reunión de la sociedad española de terapia genica
City of event: Valencia., Spain
Date of event: 2001
S Neil,; Ikeda, M Collins and F Martin. 2001.
- 100** **Title of the work:** Pseudotyping of HIV-1 vectors with chimeric retroviral envelope glycoproteins
Name of the conference: 9th Annual meeting of the European Society of Gene Therapy
City of event: Antalya, Turkey
Date of event: 2001
Strang B; Martín F. "The Journal of Gene Medicine.". 2001. ISSN 1099-498X
- 101** **Title of the work:** Analysis of APC transduction of HIV vectors
Name of the conference: 8th Annual meeting of the ESGT
City of event: Stockholm, Sweden
Date of event: 2000
Neil S; Ikeda Y; Collins M and Martín F."The Journal of Gene Medicine.". 2000. ISSN 1099-498X
- 102** **Title of the work:** Host Ranges of Human and Equine Lentivirus-based Vectors and their Application for Transduction of Mouse Primary Dendritic Cells and Macrophages
Name of the conference: 8th Annual meeting of the ESGT
City of event: Stockholm, Sweden
Date of event: 2000



Ikeda Y, Lopes L, Martin F, Neil S, Takeuchi; and Collins MK. "The Journal of Gene Medicine.". 2000. ISSN 1099-498X

103 Title of the work: In vivo retargeting of retrovirus vectors by tropism restriction to melanoma cells

Name of the conference: 8th Annual meeting of the ESGT

City of event: Stockholm, Sweden

Date of event: 2000

Chowdhury S; Phillipps N; Neil S; Collins MK and Martin F. "The Journal of Gene Medicine.". 2000. ISSN 1099-498X

104 Title of the work: Retrovirus targeting to melanomas by host-range restriction

Name of the conference: Gene Therapy: The next millennium

City of event: Keystone.,

Date of event: 2000

Martin F.; Phillipps N.; Neil S. Kupsch J.; Cosset F-L.; Collins M.2000.

105 Title of the work: Two Step Targeting of Melanoma Cells.

Name of the conference: First Annual Meeting of The American Society of Gene Therapy

City of event: Seattle,

Date of event: 1998

Martin F.; Neil S. Kupsch J.; Cosset F.; Collins M."Mol Therapy.". 1998. ISSN 1525-0016

106 Title of the work: Receptor co-operation in retrovirus entry as a mechanism for specific targeting

Name of the conference: Fifth Meeting on the European Working Group on human gene transfer and Therapy

City of event: Milan, Italy

Date of event: 1997

Martin F.; Kupsch J.; Takeuchi Y.; Russell S.; Cosset F.L.; Collins M."The Journal of Gene Medicine.". 1997. ISSN 1099-498X

107 Title of the work: Tropism restriction of Amphotropic MLV retroviruses to melanoma cells.

Name of the conference: Vector Targeting Strategies for Therapeutic Gene Delivery

City of event: C S H L,

Date of event: 1997

Martin F.; Takeuchi Y.; Kupsch J.; Russell S.; Cosset F.L.; Collins M. 1997.

108 Title of the work: Retrovirus targeting to melanoma cells

Name of the conference: Fourth Meeting of the European Working Group in Gene Therapy.

City of event: Leiden, Switzerland

Date of event: 1996

Martin F.; Takeuchi Y.; Collins M."The Journal of Gene Medicine.". 1996. ISSN 1099-498X

109 Title of the work: Aislamiento y caracterización de un non-LTR retrotransposón en Trypanosoma cruzi

Name of the conference: XX1 Reunião annual de pesquisa básica em doença de chagas.(annual meetin on basic research in chagas disease)

City of event: Caxambu, Brazil

Date of event: 1994

Martín F.; Requena J.M.; Martín J.; López M.C.1994.



- 110 Title of the work:** Aislamiento y caracterización de nuevos antígenos inmunodominantes de T. cruzi.
Name of the conference: Reunión internacional sobre "Nuevas Tecnologías en Farmacia"
City of event: Granada., Spain
Date of event: 1993
Martín F.; Puerta C.; Martin J.; López M.1993.
- 111 Title of the work:** Transcripción de secuencias altamente repetidas en T. Cruzi
Name of the conference: XVIII congreso nacional de bioquímica.
City of event: San Sebastián., Spain
Date of event: 1993
Martín F.; Requena J.M.; López M.C.; Alonso C.1993.
- 112 Title of the work:** Detection of a surface antigen of T.cruzi
Name of the conference: Keystone symposia on Molecular & Cellular Biology
City of event: Keystone,
Date of event: 1992
Lopez M.C.; Martín J.; Martín F.; Alonso C."J Cell Biochem Suppl. 1992;16A:31-58.". 1992. ISSN 0733-1959
- 113 Title of the work:** Localización intracelular de HSP-70 de T.cruzi. Cinética de transporte
Name of the conference: V Congreso Iberoamericano de Biología Celular
City of event: Malaga, Spain
Date of event: 1992
Martín F.; Martín; J.; Alonso C.; López M.C.1992.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 Committee title:** Comite de seguimiento proyectos FETH2020
Primary (UNESCO code): 240000 - Life Science; 320000 - Medical Science
Affiliation entity: European Research Projects
City affiliation entity: Bruselas,
Start-End date: 04/04/2020 - 12/07/2024
- 2 Committee title:** European Research Projects on Rare Diseases
Primary (UNESCO code): 240902 - Genetic engineering; 240991 - Genetic Development; 241007 - Human genetics
Affiliation entity: European Research Projects **Type of entity:** Public Research Body
Start date: 01/01/2019
- 3 Committee title:** JuntaDirectiva de la Sociedad Española de Terapia Génica y Celular
Affiliation entity: Sociedad Española de Terapia Celular y Génica
City affiliation entity: Madrid, Community of Madrid, Spain
Start date: 01/06/2018
- 4 Committee title:** Projects Reviewer
Affiliation entity: FWO Expert Panel
Start date: 01/01/2018



- 5** **Committee title:** Comité Científico Técnico
Affiliation entity: GENYO
Start date: 03/10/2016
- 6** **Committee title:** Comisión Académica del Programa de doctorado de Biomedicina
Affiliation entity: Universidad de Granada **Type of entity:** University
Start date: 2012
- 7** **Committee title:** Tribunal de tesis doctorales
Affiliation entity: Universidad de Sevilla **Type of entity:** University
Start date: 2012
- 8** **Committee title:** Tribunal de tesis doctorales
Affiliation entity: Universidad Autónoma de Madrid **Type of entity:** University
Start date: 2007
- 9** **Committee title:** Projects Reviewer
Affiliation entity: ANEP - MINISTERIO DE EDUCACION Y CIENCIA
Start date: 2005
- 10** **Committee title:** Tribunal Tesis Doctorales
Affiliation entity: Universidad de Granada **Type of entity:** University
Start date: 1998
- 11** **Committee title:** Comisión de Seguimiento y Control para la Donación y Utilización de Células y Tejidos Humanos
Affiliation entity: Consejería de Salud de la Junta de Andalucía **Type of entity:** Public
- 12** **Committee title:** Comisión de Seguimiento y Control para la Donación y Utilización de Células y Tejidos Humanos
Affiliation entity: Consejería de Salud. Junta de Andalucía
City affiliation entity: Granada,
- 13** **Committee title:** Comisión de seguimiento del Programa de doctorado de Biomedicina
Affiliation entity: Universidad de Granada
- 14** **Committee title:** LOREAL-UNESCO. Bolsas de investigación
Affiliation entity: Loreal
- 15** **Committee title:** Projects Reviewer
Affiliation entity: Fundação para a ciencia e a Tecnologia
City affiliation entity: Lisbon, Portugal
- 16** **Committee title:** Reviewer - Recent Patents on DNA and Gene Sequence Journal
Affiliation entity: Recent patients on DNA and Gene Sequence Journal
- 17** **Committee title:** Reviewer scientific articles
Affiliation entity: American journal of life science



- 18** **Committee title:** Reviewer scientific articles
Affiliation entity: BMP biotechnology journal
- 19** **Committee title:** Reviewer scientific articles
Affiliation entity: Biotechnology Progress Journal
- 20** **Committee title:** Reviewer scientific articles
Affiliation entity: Cell transplantation journal
- 21** **Committee title:** Reviewer scientific articles
Affiliation entity: Clinical and experimental Immunology Journal
- 22** **Committee title:** Reviewer scientific articles
Affiliation entity: Disease MOdels and Mechanism
- 23** **Committee title:** Reviewer scientific articles
Affiliation entity: Human Molecular Genetic Journal
- 24** **Committee title:** Reviewer scientific articles
Affiliation entity: International Journal of Medical Sciences
- 25** **Committee title:** Reviewer scientific articles
Affiliation entity: Journal of Gene Medicine
- 26** **Committee title:** Reviewer scientific articles
Affiliation entity: Journal of nanoparticle research
- 27** **Committee title:** Reviewer scientific articles
Affiliation entity: Journal of pediatric Genetics Journal
- 28** **Committee title:** Reviewer scientific articles
Affiliation entity: Molecular genetics and genomic journal
- 29** **Committee title:** Reviewer scientific articles
Affiliation entity: Plos One journal
- 30** **Committee title:** Reviewer scientific articles
Affiliation entity: Revista de neurología
- 31** **Committee title:** Reviewer scientific articles
Affiliation entity: Scientific Reports

- 32** **Committee title:** Reviewer scientific articles
Affiliation entity: Word Journal of Gastroenterology
- 33** **Committee title:** Reviewer scientific articles
Affiliation entity: blood journal
- 34** **Committee title:** Reviewer scientific articles
Affiliation entity: gene therapy journal
- 35** **Committee title:** Reviewer scientific articles - Human Gene Therapy Journal
Affiliation entity: Human Gene Therapy Journal
- 36** **Committee title:** Tribunal Trabajos Fin de Máster - Master de Genética y Evolución
Affiliation entity: Universidad de Granada **Type of entity:** University
- 37** **Committee title:** Tribunal Trabajos Fin de Máster - Master de Inmunología
Affiliation entity: Universidad de Granada **Type of entity:** University
- 38** **Committee title:** Tribunal de tesis doctorales
Affiliation entity: Universidad de Murcia **Type of entity:** University
- 39** **Committee title:** Tribunal de tesis doctorales
Affiliation entity: FUNDACION GENERAL DE LA UNIVERSIDAD DE VALLADOLID

Organization of R&D activities

- 1** **Title of the activity:** Local organizer UNISTEM DAY
Type of activity: Curso Internacional **Geographical area:** European Union
Convening entity: GENYO- TERCEL - Universidad de Barcelona
City convening entity: Granada, Andalusia, Spain
Start-End date: 04/04/2017 - 07/04/2017
- 2** **Title of the activity:** Spring School from the European Society of Gene and Cell Therapy
Type of activity: Curso Internacional **Geographical area:** European Union
Convening entity: GENYO
City convening entity: Granada, Andalusia, Spain
Start-End date: 04/04/2017 - 07/04/2017
- 3** **Title of the activity:** Director del Módulo del Master Master de terapias avanzadas. IATA-UGR.
Type of activity: Master **Geographical area:** European Union
Convening entity: Instituto de Agroquímica y Tecnología de Alimentos
Start-End date: 20/09/2009 - 2017
- 4** **Title of the activity:** Co-organizer of the I International Symposium on Cell and Gene-based Therapies
Type of activity: Congreso internacional **Geographical area:** National
Convening entity: Instituto de Agroquímica y Tecnología de Alimentos

Start date: 20/09/2009

- 5** **Title of the activity:** Presidente del V Congreso de la Sociedad Española de terapia Génica y Celular
Type of activity: Congreso Nacional **Geographical area:** National
Convening entity: Sociedad Española de terapia Génica y Celular
Start date: 20/09/2009
- 6** **Title of the activity:** Nuevas perspectivas en terapia celular: Ingeniería de anticuerpos y terapia génica".
Impartido por Luis Álvarez Vanilla del Servicio de Inmunología, Clínica Puerta de Hierro, Madrid
Type of activity: Seminario IPB-López Neyra **Geographical area:** Internacional
Convening entity: CSIC
Start date: 07/04/2006
- 7** **Title of the activity:** Lentiviral vector as immunogens. Impartido por la Prof Mary Collins (head of Immunology depart. UCL. London)
Type of activity: Seminario especial **Geographical area:** Internacional
Convening entity: CSIC
Start date: 06/04/2006
- 8** **Title of the activity:** Nobel Price (Tim Hunt) Conference-The Cell Cycle and Cancer (Premio Nobel de Medicina 2002)
Type of activity: Seminario IPB-López Neyra
Convening entity: CSIC
Start date: 2006

R&D management

- 1** **Name of the activity:** Comité Científico-Técnico GENYO
Type of management: Supervisión y propuestas de actividades científicas
Performed tasks: Supervisión y propuestas de actividades científicas en GENYO
Entity: GENYO **Type of entity:** R&D Centre
Start date: 2017
- 2** **Name of the activity:** The role of Tetherin in the pathogenesis of HIV-1_ Start Neil-King's College London
Type of management: Management of organised events
Performed tasks: Organizador
City of entity: Granada, Andalusia, Spain
Entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Start date: 30/10/2013
Access system: With express recognition of the credits concerned
Nº of people: 300
Geographical area: National
- 3** **Name of the activity:** Comisión académica programa de Doctorado de biomedicina
Type of management: Management of R&D&I actions and projects
Performed tasks: vocal
City of entity: Granada, Andalusia, Spain
Entity: Universidad de Granada **Type of entity:** University
Start date: 30/10/2013
Access system: With express recognition of the credits concerned

Nº of people: 40

Geographical area: National

- 4** **Name of the activity:** Comisión evaluación planes de trabajo Doctorado de biomedicina
Type of management: Management of R&D&I actions and projects
Performed tasks: vocal
City of entity: Granada, Andalusia, Spain
Entity: Universidad de Granada **Type of entity:** University
Start date: 30/10/2013 **Duration:** 4 years
Access system: With express recognition of the credits concerned
Nº of people: 40
Geographical area: National
- 5** **Name of the activity:** Terapias Avanzadas para el Tratamiento de Anemias Severas: Deficiencia en Piruvato Quinasa Eritrocitaria. Jose Carlos Segovia. CIEMAT
Type of management: Management of organised events
Performed tasks: Organizador
City of entity: Granada, Andalusia, Spain
Entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Start date: 25/04/2013
Access system: With express recognition of the credits concerned
Nº of people: 300
Geographical area: National
- 6** **Name of the activity:** Terapias Génicas Innovadoras en Anemia de Fanconi. Juan Bueren-CIEMAT
Type of management: Management of organised events
Performed tasks: Organizador
City of entity: Granada, Andalusia, Spain
Entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Start date: 15/02/2013
Access system: With express recognition of the credits concerned
Nº of people: 300
Geographical area: National
- 7** **Name of the activity:** Proviral/host genome interactions and their role in genotoxicity. Eugenio Montini. H. San Rafaelle
Type of management: Management of organised events
Performed tasks: Organizador
City of entity: Granada, Andalusia, Spain
Entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Start date: 08/02/2013
Access system: With express recognition of the credits concerned
Nº of people: 300
Geographical area: National
- 8** **Name of the activity:** Nodo Granada dentro de la Red de Terapia celular
Type of management: Group management
Performed tasks: Coordinador Nodo Granada
Entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Start date: 01/01/2013 **Duration:** 2 years



- 9** **Name of the activity:** Presidente del V Congreso de la Sociedad Española de terapia Génica y Celular
Type of management: Management of organised events
Performed tasks: Organizador Local y presidente
City of entity: Granada, Andalusia, Spain
Entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Start date: 20/09/2009
Access system: With express recognition of the credits concerned
Nº of people: 300
Geographical area: National
- 10** **Name of the activity:** Lentiviral vector as immunogens. Impartido por la Prof Mary Collins (head of Immunology depart. UCL. London)
Type of management: Management of organised events
Performed tasks: Organizador
Entity: IPB Lopez Neyra-CISC
Start date: 07/04/2006
Geographical area: Internacional
- 11** **Name of the activity:** Seminarios Mixtos: Facultad de medicina-CSIC
Type of management: Management of organised events
Performed tasks: Seminario
City of entity: Granada, Andalusia, Spain
Entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD
Start date: 01/01/2005 **Duration:** 2 years
Access system: With express recognition of the credits concerned
Nº of people: 300
Geographical area: National
- 12** **Name of the activity:** Nuevas perspectivas en terapia celular: Ingeniería de anticuerpos y terapia génica". Impartido por Luis Álvarez Vanilla del Servicio de Inmunología, Clínica Puerta de Hierro, Madrid
Performed tasks: Seminario IPB-López Neyra
Entity: IPB Lopez Neyra
Start date: 18/06/2004
Geographical area: Internacional

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Windeyer Institute of Medical Sciences. University College of London (UCL) **Type of entity:** Public Research Body
City of entity: Londres, United Kingdom
Start-End date: 27/03/1997 - 26/03/2002 **Duration:** 5 years
Funding entity: University College London
City funding entity: London, Inner London, United Kingdom
Name of programme: Desarrollo de vectores retrovirales para inmunoterapia del cáncer
Goals of the stay: Post-doctoral



- 2** **Entity:** Institute of Cancer Research (ICR). Chester Beaty laboratories
City of entity: Londres, United Kingdom
Start-End date: 27/03/1995 - 26/03/1997 **Duration:** 2 years
Funding entity: Comunidad Europea
City funding entity: Comunidad Europea,
Name of programme: Diseño de vectores retrovirales para terapia genica del cancer
Goals of the stay: Post-doctoral
Provable tasks: Becario postdoctoral Marie Curie-Biotechnology Programme
- 3** **Entity:** I.S.R.E.C.
City of entity: Laussane, Switzerland
Start date: 1993 **Duration:** 84 days
Name of programme: Analisis computacional: homología y alineamiento de secuencias
Goals of the stay: Doctorate
- 4** **Entity:** Rockefeller University **Type of entity:** University
City of entity: New York, United States of America
Start date: 1992 **Duration:** 84 days
Name of programme: Analisis computacional: homología y alineamiento de secuencias
Goals of the stay: Doctorate
Provable tasks: Estancia predoctoral tres meses

Obtained grants and scholarships

- 1** **Name of the grant:** Contrato de Investigación Miguel Servet
Aims: Post-doctoral
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 15/02/2002 **Duration:** 1 year - 11 months - 15 days
End date: 01/02/2004
Entity where activity was carried out: Hospital Universitario San Cecilio
- 2** **Name of the grant:** Beca ministerio para realización doctorado
Aims: Pre-doctoral
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 1991 **Duration:** 4 years
End date: 1994
Entity where activity was carried out: IPB Lopez Neyra-CSIC
- 3** **Name of the grant:** Maria Zambrano Senior
Aims: Incorporación personal investigador de excelencia a la Universidad de Granada
Awarding entity: Universidad de Granada **Type of entity:** University
Conferral date: 01/01/2022 **Duration:** 3 years
Entity where activity was carried out: Universidad de Granada
Faculty, institute or centre: Facultad de Medicina - GENYO
- 4** **Name of the grant:** Contrato de investigación Ramón y Cajal
Aims: Post-doctoral
Awarding entity: Ministerio de Ciencia e Innovación. **Type of entity:** estatal Investigación
Conferral date: 2003 **Duration:** 5 years



Entity where activity was carried out: IPB Lopez Neyra-CSIC

5 Name of the grant: Beca europea Biotechnology programme (Becario EU (Biotecnología)
RB4001GT942581

Aims: Post-doctoral

Awarding entity: European Commission

Conferral date: 1995

Duration: 2 years