



Juan María Torres Trillo

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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.

In general, my research career has been developed within the area of Molecular and Cellular Biology applied to the study of the pathogenesis processes of various infectious diseases (viruses and prions), as well as to the development of useful biotechnological tools for the study and the control of these diseases. Throughout my professional career, three stages can be distinguished with specific but closely related scientific objectives:

-Stage 1 (1985-1991) .- At this stage, corresponding to the beginning of my research career (doctoral thesis and first postdoctoral stay), my research focused on the study of basic processes of cell proliferation and its implications in activation of cells of the immune system, under physiological and pathological conditions. These studies were initiated at the University of Córdoba and completed at the "Institut de Recherches Scientifiques sur le Cancer" (Villejuif-France).

-Stage 2 (1992-2001) .- This stage corresponds to my return to Spain after 5 years abroad. Includes 5 years of Researcher at the CNB-CSIC (Madrid) and 5 years at CISA-INIA (Valdeolmos-Madrid). During this stage, my research focused on the study of the molecular processes and elements involved in replication and the pathogenesis of RNA viruses of interest in animal health.

-Stage 3 (2001-present) .- A permanent Researcher position at CISA-INIA allowed me to start a new line of research and create the group of "Molecular and Cellular Biology of Prions. Since then, the general objective of this group has been the study of the biology and pathogenesis of prions. To do this, we have developed a series of models based on transgenic mice and cell cultures that express different sequences of the Cellular Prion Protein (PrPC). These models include transgenic mice that express the PrPC of different livestock species (bovine, swine, sheep or goats) that constitute highly sensitive bioassays for the detection of prions from these species. These models are being very useful for the study of the molecular elements that modulate the pathology and the species barrier of the different prion strains. Similarly, the transgenic mice that express human PrPC developed by

our group, are allowing to evaluate the zoonotic potential of the different prion strains from livestock species. On the other hand, mice that develop spongiform encephalopathy spontaneously after having included some mutations in the PrPC sequence in the transgene are providing excellent results in the study of the pathogenesis of the disease. At present, the general objective of our group is to advance in the knowledge of transmissible spongiform encephalopathies (TSEs) and their causative agents. For this, three lines of research are followed: i) Development of new bioassays for the detection and diagnosis of these diseases, ii) Study of the elements and mechanisms involved in the replication and pathogenesis of prions, iii) Study of the different prion strains in livestock species and their transmission capacity to humans.

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.

-Tesis doctorales dirigidas: **11**; -Publicaciones totales: **165**; -Índice h: **33**; -Publicaciones totales en primer cuartil (Q1): **94**; -Citas totales: **3387**;

-Proyectos de I+D+I financiados en convocatorias competitivas: **44**

-Contratos, convenios de I+D+I con empresas: **13**

-Sexenios reconocidos: **6**

-Ponencias en congresos internacionales..... **31**

-Comunicaciones en congresos internacionales..... **89**

-Ponencias en congresos nacionales..... **22**

-Comunicaciones en congresos nacionales..... **98**

Juan María Torres Trillo

Surname(s): **Torres Trillo**
Name: **Juan María**
ORCID: **0000-0003-0443-9232**
ResearcherID: **L-8768-2013**
Country of birth: **Spain**
Aut. region/reg. of birth: **Andalusia**
Contact aut. region/reg.: **Community of Madrid**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas
Type of entity: State agency
Department: Centro de Investigación en Sanidad Animal (CISA-INIA)
Professional category: Profesor de Investigación de OPIs
Start date: 01/01/2021
Type of contract: Civil servant
Dedication regime: Full time
Primary (UNESCO code): 241501 - Molecular biology of micro-organisms
Secondary (UNESCO code): 249000 - Neurosciences
Tertiary (UNESCO code): 242000 - Virology
Performed tasks: Investigador principal del grupo de biología molecular y celular de priones del CISA-INIA
Identify key words: Molecular mechanism of disease; Laboratory animals; Virology; Genetically modified organisms; Animal disease; Veterinary medicine

Previous positions and activities

	Employing entity	Professional category	Start date
1	INSTITUTO NAC. DE INV. Y TEC. AGRARIA Y ALIMENTARIA (INIA)	Profesor de Investigación de OPIs	20/09/2018
2	INSTITUTO NAC. DE INV. Y TEC. AGRARIA Y ALIMENTARIA (INIA)	Investigador Científico de OPIs	19/12/2017
3	INSTITUTO NAC. DE INV. Y TEC. AGRARIA Y ALIMENTARIA (INIA)	Científico Titular de OPIs	01/12/2001
4	Centro de Investigación en Sanidad Animal (CISA-INIA)	Investigador contratado	01/09/1996
5	Centro Nacional de Biotecnología (CSIC) Madrid.	Investigador contratado	01/09/1993
6	Centro Nacional de Biotecnología (CSIC) Madrid.	Becario de Reincorporación a España	01/01/1992
7	Institut de Recherches Scientifiques sur le Cancer (CNRS) Villejuif (Francia).	Becario postdoctoral	01/07/1989
8	Institut de Recherches Scientifiques sur le Cancer (CNRS) Villejuif (Francia).	Becario predoctoral	01/09/1987

	Employing entity	Professional category	Start date
9	Facultad de Ciencias Universidad de Córdoba	Doctorando	01/09/1984

1 **Employing entity:** INSTITUTO NAC. DE INV. Y TEC. AGRARIA Y ALIMENTARIA (INIA)
Professional category: Profesor de Investigación de OPIs
Start-End date: 20/09/2018 - 01/01/2021
Field of management activity: Public Research Body

2 **Employing entity:** INSTITUTO NAC. DE INV. Y TEC. AGRARIA Y ALIMENTARIA (INIA)
Professional category: Investigador Científico de OPIs
Start-End date: 19/12/2017 - 20/09/2018
Field of management activity: Public Research Body

3 **Employing entity:** INSTITUTO NAC. DE INV. Y TEC. AGRARIA Y ALIMENTARIA (INIA)
Professional category: Científico Titular de OPIs
Start-End date: 01/12/2001 - 19/12/2017 **Duration:** 16 years - 18 days
Field of management activity: Public Research Body

4 **Employing entity:** Centro de Investigación en Sanidad Animal (CISA-INIA)
Professional category: Investigador contratado
Start-End date: 01/09/1996 - 01/12/2001 **Duration:** 5 years - 11 months

5 **Employing entity:** Centro Nacional de Biotecnología (CSIC) Madrid.
Professional category: Investigador contratado
Start-End date: 01/09/1993 - 01/09/1996 **Duration:** 3 years
Type of entity: Public Research Body

6 **Employing entity:** Centro Nacional de Biotecnología (CSIC) Madrid.
Professional category: Becario de Reincorporación a España
Start-End date: 01/01/1992 - 01/09/1993 **Duration:** 1 year - 9 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Type of entity: Public Research Body

7 **Employing entity:** Institut de Recherches Scientifiques sur le Cancer (CNRS) Villejuif (Francia).
Professional category: Becario postdoctoral
Start-End date: 01/07/1989 - 31/12/1991 **Duration:** 2 years - 9 months
Type of entity: Public Research Body

8 **Employing entity:** Institut de Recherches Scientifiques sur le Cancer (CNRS) Villejuif (Francia).
Professional category: Becario predoctoral
Start-End date: 01/09/1987 - 30/06/1989 **Duration:** 1 year - 7 months
Type of entity: Public Research Body

9 **Employing entity:** Facultad de Ciencias Universidad de Córdoba
Professional category: Doctorando
Start-End date: 01/09/1984 - 30/08/1987 **Duration:** 3 years - 2 months
Type of entity: 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 Córdoba **Type of entity:** University

Date of qualification: 01/06/1984

Doctorates

Doctorate programme: Doctor en Ciencias Biológicas

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

Date of degree: 20/04/1989

Obtained qualification: Cum Laude

Special doctorate award: Yes

Date of award: 1989

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	C1	C1	B2	B2	C1
English	C1	C1	C1	C1	C1

Teaching experience

General teaching experience

- Name of the course:** A.1 Introducción a la biología de los virus

Type of programme: Master's degree

University degree: Máster de Virología

Frequency of the activity: 10

Start date: 2010 **End date:** 2022

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 1,5

Entity: Universidad Complutense de Madrid **Type of entity:** University
- Name of the course:** Enfermedades Degenerativas: enfoques clínico y molecular

Type of programme: Master's degree

University degree: Máster de Neurociencia

Frequency of the activity: 1

**Start date:** 2018**End date:** 2021**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 1,5**Entity:** Universidad Complutense de Madrid**Type of entity:** University**3 Name of the course:** Avances en Neurobiología y Enfermedades Neurodegenerativas**Type of programme:** Master's degree**University degree:** Máster de Bioquímica, Biología Molecular y Biomedicina**Frequency of the activity:** 1**Start date:** 2017**End date:** 2021**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 1,5**Entity:** Universidad Complutense de Madrid**Type of entity:** University**4 Type of teaching:** Official teaching**Name of the course:** Practicas curriculares**Type of programme:** Bachelor's degree**University degree:** Grado en Farmacia**Frequency of the activity:** 1**Start date:** 2018**End date:** 2019**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 150**Entity:** Universidad Complutense de Madrid**Type of entity:** University**Faculty, institute or centre:** Facultad de Farmacia**5 Name of the course:** Avances en Neurobiología y Enfermedades Neurodegenerativas**Type of programme:** Master's degree**University degree:** Máster de Bioquímica, Biología Molecular y Biomedicina**Frequency of the activity:** 1**Start date:** 2017**End date:** 2017**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 1,5**Entity:** Universidad Complutense de Madrid**Type of entity:** University**6 Type of teaching:** International teaching**Name of the course:** Curso internacional sobre enfermedades exóticas**University degree:** Curso internacional sobre enfermedades exóticas**Course given:** Priones**Frequency of the activity:** 18**Start date:** 01/11/1998**End date:** 31/12/2015**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 4**Entity:** Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria**Type of entity:** Public Research Body**Faculty, institute or centre:** Centro de Investigación en Sanidad Animal**City of entity:** Madrid,**Type of entity:** Agencia**Funding entity:** Agencia Española de Cooperación Internacional**7 Type of teaching:** Official teaching**Name of the course:** Asignatura Estancias**Type of programme:** Bachelor's degree**Type of teaching:** Laboratory work



University degree: Licenciado en Veterinaria

Frequency of the activity: 1

Start date: 2013

End date: 2013

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 150

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Veterinaria

8 Name of the course: Medio Ambiente y Salud: Introducción a la Sanidad Ambiental

University degree: Título especialista universitario en Sanidad Ambiental

Course given: Organismos modificados genéticamente **Frequency of the activity:** 3

Start date: 2004

End date: 2007

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 5

Entity: Universidad SEK

Type of entity: University

Faculty, institute or centre: Sanidad Ambiental

9 Type of teaching: Official teaching

Name of the course: Salud Ambiental y ocupacional - Seguridad Alimentaria

University degree: Máster en Salud Pública

Course given: Enfermedades producidas por Priones **Frequency of the activity:** 5

Start date: 02/04/2001

End date: 14/02/2005

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 2

Entity: Instituto de Salud Carlos III

Type of entity: Public Research Body

Faculty, institute or centre: Escuela Nacional de Sanidad

City of entity: Madrid,

10 Type of teaching: Official teaching

Name of the course: Sanidad Ambiental

University degree: Máster en Salud Pública

Course given: Enfermedades producidas por Priones **Frequency of the activity:** 3

Start date: 14/01/2002

End date: 30/01/2004

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 2

Entity: Instituto de Salud Carlos III

Type of entity: Public Research Body

Faculty, institute or centre: Escuela Nacional de Sanidad

City of entity: Madrid,

11 Type of teaching: Official teaching

Name of the course: Asignatura Estancias

Type of programme: Bachelor's degree

University degree: Licenciado en Veterinaria

Frequency of the activity: 2

Start date: 2002

Type of teaching: Laboratory work

End date: 2004

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 200

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Veterinaria



- 12** **Type of teaching:** Official teaching
Name of the course: Virología Clínica y Molecular
Type of programme: Master's degree
University degree: Máster de Virología Clínica y Molecular
Frequency of the activity: 1
Start date: 08/05/2002 **End date:** 17/05/2002
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 1,5
Entity: Universidad Autonoma de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
- 13** **Type of teaching:** Official teaching
Name of the course: Higiene y tecnología de los alimentos
University degree: Máster en Salud Pública
Course given: Enfermedades producidas por Priones **Frequency of the activity:** 1
Start date: 03/05/2001 **End date:** 08/05/2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Faculty, institute or centre: Escuela Nacional de Sanidad
City of entity: Madrid,
- 14** **Type of teaching:** Official teaching
Name of the course: Análisis y control de alimentos
University degree: Diploma superior de seguridad alimentaria y salud pública
Course given: Enfermedades producidas por Priones **Frequency of the activity:** 1
Start date: 02/04/2001 **End date:** 08/05/2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Faculty, institute or centre: Escuela Nacional de Sanidad
City of entity: Madrid,

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** EMERGENCIA DE BSE CLÁSICO A PARTIR DE SCRAPIE ATÍPICO: DESCIFRANDO LA DICOTOMÍA MUTACIÓN VS SELECCIÓN EN PRIONES
EMERGENCIA DE BSE CLÁSICO A PARTIR DE SCRAPIE ATÍPICO: DESCIFRANDO LA DICOTOMÍA MUTACIÓN VS SELECCIÓN EN PRIONES
Type of project: Trabajo Fin de Master de Virología
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Sara Canoyra Sánchez
Obtained qualification: Sobresaliente
Date of reading: 15/09/2021
- 2** **Project title:** Molecular elements involved in replication and transmission of prions
Entity: Universidad Autonoma de Madrid **Type of entity:** University
Student: Alba Marín Moreno
Obtained qualification: Cum Laude
Date of reading: 25/09/2020

**European doctorate:** Yes**Date of recognition:** 25/09/2020

- 3** **Project title:** Discriminación de cepas prionicas en ovejas y cabras mediante técnicas de propagación in vitro
Type of project: Trabajo Fin de Master de Virología
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Melissa Carvajal Capa
Obtained qualification: Sobresaliente
Date of reading: 21/09/2019
- 4** **Project title:** ESTUDIO DE LA DIVERSIDAD DE CEPAS DE SCRAPIE EN MODELOS IN VITRO
Type of project: Trabajo Fin de Master de Virología
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: María Zamora Ceballos
Obtained qualification: Sobresaliente
Date of reading: 18/09/2017
- 5** **Project title:** Estudio de la transmisión y propagación de diferentes cepas de alfa-sinucleína en modelo de ratón transgénico
Type of project: Trabajo Fin de Master de Virología
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Uxía Alonso Alonso
Obtained qualification: Notable
Date of reading: 18/09/2017
- 6** **Project title:** ROLE OF POLYMORPHIC VARIANTS OF THE PRION PROTEIN ON THE RESISTANCE/SUSCEPTIBILITY TO PRION INFECTION
Type of project: Doctoral thesis
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Patricia Aguilera
Obtained qualification: Cum Laude
Date of reading: 10/12/2014
European doctorate: Yes **Date of recognition:** 10/12/2014
- 7** **Project title:** Effect of prion replication in the accumulation of deposits of α -amyloid in vivo
Type of project: Trabajo Fin de Master de Virología
Co-director of thesis: Consolación García Contreras
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Consolación García Contreras
Date of reading: 10/09/2014
- 8** **Project title:** Funcionalidad de la PrPc en células troncales embrionarias de ratón y susceptibilidad diferencial a scrapie de sus polimorfismos en cabra.
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Alberto Miranda Beate
Date of reading: 01/10/2011
Date of recognition: 01/10/2011



- 9** **Project title:** Encefalopatía espongiforme bovina (EEB) en oveja: estudios de transmisión in vivo y replicación in vitro utilizando modelos de ratón transgénico
Type of project: Doctoral thesis
Co-director of thesis: Joaquín Castilla Castrillón
Entity: Universidad Complutense de Madrid
Student: Danielle Padilla de Beer
Obtained qualification: Cum Laude
Date of reading: 13/09/2010
European doctorate: Yes
Date of recognition: 13/09/2010
- 10** **Project title:** Stem cell based therapy for the treatment of prion diseases
Entity: Universidad Autonoma de Madrid
Student: Aroa Relaño Ginés
Obtained qualification: Cum Laude
Date of reading: 19/06/2009
European doctorate: Yes
Date of recognition: 19/06/2009
- 11** **Project title:** Estudios in vivo de la transmisión inter-especie de priones y desarrollo de un modelo de replicación ex-vivo
Entity: Universida Autonoma de Madrid
Student: Maria Eugenia Herva Moyano
Obtained qualification: Cum Laude
Date of reading: 20/12/2007
European doctorate: Yes
Date of recognition: 20/12/2007
- 12** **Project title:** Modelos basados en ratones transgénicos o en cultivos celulares para el estudio de las encefalopatías espongiformes transmisibles
Entity: UNIVERSIDAD AUTONOMA DE MADRID
Student: Beatriz Parra Arrondo
Obtained qualification: Cum Laude
Date of reading: 01/05/2005
Type of entity: University
- 13** **Project title:** Vacuna recombinante Mixoma-RHDV para uso en conejo silvestre
Entity: Universidad Complutense de Madrid
Student: Miguel Angel Ramirez
Obtained qualification: Cum Laude
Date of reading: 01/12/2003
Type of entity: University
- 14** **Project title:** Elementos moleculares implicados en la infectividad del calicivirus RHDV
Entity: UNIVERSIDAD AUTONOMA DE MADRID
Student: Mónica Morales Camarzana
Obtained qualification: Cum Laude
Date of reading: 01/01/2002
Type of entity: University



Teaching experience in courses and seminars for university teacher training

- 1** **Type of event:** Workshop
Name of the event: IX Jornadas de seguridad Alimentaria en el tercer milenio
Organising entity: Colegio oficial de veterinarios de Valladolid
Hours of teaching: 1
Teaching date: 23/10/2009
Type of participation: Participatory - invited/keynote talk
- 2** **Type of event:** Workshop
Name of the event: II jornadas científicas del CISA-INIA
City organizing entity: Madrid,
Organising entity: Instituto Nacional de Investigación y **Type of entity:** Public Research Body
Tecnología Agraria y Alimentaria
Hours of teaching: 1
Teaching date: 23/05/2004
Type of participation: Participatory - invited/keynote talk
- 3** **Type of event:** Workshop
Name of the event: III jornada de la Red de Médicos Centinela de la Comunidad de Madrid
Organising entity: Red de Médicos Centinela de la Comunidad de Madrid
Target group profile: Medicos
Hours of teaching: 1
Teaching date: 20/12/2002
Type of participation: Participatory - invited/keynote talk
- 4** **Type of event:** Seminar
Name of the event: Seminario sobre "Encefalopatías espongiformes transmisibles"
Organising entity: Instituto de Salud Carlos III (Escuela **Type of entity:** Public Research Body
Nacional de Sanidad)
Target group profile: Medicos
Hours of teaching: 1
Teaching date: 20/12/2002
- 5** **Type of event:** Seminar
Name of the event: Il seminario internacional FUNDISA "Seguridad Alimentaria de la Carne y los productos
cárnicos"
City organizing entity: Madrid,
Organising entity: Fundación ibérica para la seguridad **Type of entity:** Foundation
alimentaria
Hours of teaching: 1
Teaching date: 02/10/2002
Type of participation: Participatory - invited/keynote talk
- 6** **Type of event:** Curso
Name of the event: Curso de "Procesos de interés sanitario en Mataderos"
Organising entity: Consejería de Sanidad y Bienestar **Type of entity:** Consejería
Social
Aims of the course: Encefalopatías Espongiformes Transmisibles



Hours of teaching: 28

Teaching date: 15/10/2001

Type of participation: Participatory - invited/keynote talk

7 Type of event: Curso

Name of the event: Curso de Zoonosis de importancia en Salud Pública

Organising entity: Consejería de Salud de La Rioja **Type of entity:** Consejería

Aims of the course: Encefalopatías Espongiformes Transmisibles

Hours of teaching: 1

Teaching date: 29/05/2001

Type of participation: Participatory - invited/keynote talk

8 Type of event: Seminar

Name of the event: Seminario sobre "Elementos moleculares implicados en la barrera de especie de los priones

Organising entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Hours of teaching: 1

Teaching date: 13/03/2001

Type of participation: Participatory - invited/keynote talk

9 Type of event: Workshop

Name of the event: Jornadas Científicas sobre Las Encefalopatías Espongiformes transmisibles

Organising entity: Universidad de Zaragoza **Type of entity:** University

Hours of teaching: 1

Teaching date: 26/02/2001

Type of participation: Participatory - invited/keynote talk

10 Type of event: Seminar

Name of the event: Seminario sobre "Encefalopatía espongiforme bovina"

Organising entity: Universidad Autónoma de Madrid **Type of entity:** University

Aims of the course: Seminario para alumnos de Ciencia y Tecnología de los Alimentos

Hours of teaching: 2

Teaching date: 28/01/2001

Type of participation: Participatory - invited/keynote talk

11 Type of event: Seminar

Name of the event: Seminario sobre "Elementos moleculares implicados en la barrera de especie de los priones

Organising entity: Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria **Type of entity:** Public Research Body

Hours of teaching: 1

Teaching date: 11/01/2001

Type of participation: Participatory - invited/keynote talk

12 Type of event: Seminar

Name of the event: Seminario sobre "Encefalopatías espongiformes transmisibles"

Organising entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Target group profile: Medicos

Hours of teaching: 1

Teaching date: 27/12/2000



- 13** **Type of event:** Workshop
Name of the event: Nuevas estrategias para prevenir infecciones en Salud Animal
Organising entity: Colegio oficial de veterinarios de Madrid
Target group profile: Medicos
Hours of teaching: 1
Teaching date: 01/07/1997
Type of participation: Participatory - invited/keynote talk

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:** Zoonotic potential evolution of emerging prions through the species barrier
Entity where project took place: INIA **Type of entity:** Public Research Body
City of entity: Madrid,
Name principal investigator (PI, Co-PI....): Juan María Torres Trillo; Juan Carlos Espinosa Martín
Nº of researchers: 2
Funding entity or bodies:
Plan Nacional de I+D+I (PID2019-105837RB-I00)
Type of participation: Principal investigator
Start-End date: 01/06/2020 - 31/05/2024
Total amount: 190.000 €
- 2** **Name of the project:** TACKLING CHRONIC WASTING DISEASE IN EUROPE
Entity where project took place: INIA-CSIC
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): Juan Carlos Espinosa Martín; Juan María Torres Trillo
Nº of researchers: 2
Funding entity or bodies:
Agencia Estatal de Investigación. Programa Internacional ICRAD
City funding entity: Madrid, Spain
Type of participation: Principal investigator
Start-End date: 01/03/2021 - 29/02/2024
Total amount: 150.000 €
- 3** **Name of the project:** Evaluation of the public health risk of atypical and emerging prions
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan Carlos Espinosa; Juan María Torres
Nº of researchers: 2
Funding entity or bodies:
Fundació La Marató de TV3 (Enfermedades infecciosas 201821-31)
Start-End date: 20/07/2019 - 19/07/2022 **Duration:** 2 years - 11 months - 30 days
Total amount: 160.000 €



- 4** **Name of the project:** Estudio del impacto de la secuencia de aminoácidos de la PrP del huésped en la diversidad y estabilidad de las cepas priónicas
Entity where project took place: INIA **Type of entity:** Public Research Body
City of entity: Madrid,
Name principal investigator (PI, Co-PI....): Juan María Torres Trillo; Juan Carlos Espinosa Martín
Nº of researchers: 2
Funding entity or bodies:
Plan Nacional de I+D+I (AGL2016-78054-R) **Type of entity:** State agency
Type of participation: Principal investigator
Start-End date: 01/01/2017 - 31/12/2019
Total amount: 150.000 €
- 5** **Name of the project:** FSA-M03043: Exploring Permeability of human species barrier to circulating TSE agent.
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan Maria Torres
Funding entity or bodies:
Food Standards Agency, UK (FSA-M03043) **Type of entity:** State agency
City funding entity: United Kingdom
Start-End date: 01/03/2007 - 30/06/2018
Total amount: 450.000 €
- 6** **Name of the project:** Study of the zoonotic potential of the diversity of prions circulating in livestock ruminants using transgenic mouse models.
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan María Torres
Nº of researchers: 2
Funding entity or bodies:
AllianceBiosecure Foundation (FABS 2014-03).
Start-End date: 01/04/2015 - 31/03/2018 **Duration:** 3 years
Total amount: 54.000 €
- 7** **Name of the project:** Deciphering the role of alfa-synuclein strains in prion-like synucleopathy induction and spreading
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan María Torres
Nº of researchers: 2
Funding entity or bodies:
Fundació La Marató de TV3 (Enfermedades neurodegenerativas 2013-0144332)
Start-End date: 16/03/2015 - 15/03/2018 **Duration:** 2 years - 11 months - 30 days
Total amount: 150.000 €
- 8** **Name of the project:** FSA231051: Exploring Permeability of human species barrier to circulating TSE agent (II)
Entity where project took place: INRA, INIA
Name principal investigator (PI, Co-PI....): Juan María Torres
Funding entity or bodies:
Food Standards Agency, UK
City funding entity: United Kingdom



Start-End date: 01/02/2014 - 30/01/2018

Total amount: 48.000 €

- 9 Name of the project:** Truncated prion protein fragments in healthy and BSE diseased cattle: interference with laboratory diagnosis and disease control.

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan María Torres

Nº of researchers: 2

Funding entity or bodies:

Eidgenössisches Volkswirtschaftsdepartement EVD. Bundesamt für Veterinärwesen BVET (Suiza)⁷

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

Duration: 2 years - 11 months - 30 days

Participating entity/entities: INIA; Instituto de Recursos Naturales y Agrobiología de Salamanca

Total amount: 5.000 €

- 10 Name of the project:** Evaluación del potencial zoonótico de la diversidad de cepas de priones circulantes en las especies ganaderas

Degree of contribution: Researcher

Entity where project took place: INIA

Type of entity: Public Research Body

Name principal investigator (PI, Co-PI....): Juan Carlos Espinosa

Funding entity or bodies:

Plan Nacional de I+D+I (RTA2012-00004)

Type of entity: State agency

Start-End date: 13/05/2013 - 13/05/2016

Total amount: 49.000 €

- 11 Name of the project:** Slice culture Assay For Express CJD agent Detection in blood and other biological products (SAFE CJD)

Entity where project took place: INRA, INIA

Name principal investigator (PI, Co-PI....): Juan María Torres

Funding entity or bodies:

AllianceBiosecure Foundation (FABS-FRM-2013)

Start-End date: 01/01/2014 - 31/12/2015

Total amount: 15.000 €

- 12 Name of the project:** Disección in vitro e in vivo de los mecanismos moleculares implicados en la replicación de los priones superando barreras de transmisión existentes en la naturaleza

Degree of contribution: Researcher

Entity where project took place: INIA

Type of entity: Public Research Body

Name principal investigator (PI, Co-PI....): Juan Carlos Espinosa

Funding entity or bodies:

Plan Nacional de I+D+I AGL-2012-37988-C04-04

Type of entity: State agency

Start-End date: 01/01/2013 - 31/12/2015

Total amount: 140.000 €

- 13 Name of the project:** Towards breeding of goats for genetically determined TSEs resistance

Degree of contribution: Researcher

Entity where project took place: INIA

Type of entity: Public Research Body

Name principal investigator (PI, Co-PI....): Juan Carlos Espinosa

Funding entity or bodies:

FP7 ERA-NET EMIDA-2012-219235



Start-End date: 01/09/2012 - 31/12/2015

Total amount: 229.000 €

- 14 Name of the project:** GoatBSE: Proposal for improvement of goat TSE discriminative diagnosis and susceptibility based assessment of BSE infectivity in goat milk and meat.

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan Maria Torres

Funding entity or bodies:

UE FP6-2005-FOOD4B-036353

Start-End date: 01/12/2006 - 30/11/2013

Total amount: 600.000 €

- 15 Name of the project:** Protecting the food chain from prions: shaping European priorities through basic and applied research

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan Maria Torres

Nº of researchers: 3

Funding entity or bodies:

EU FP7-2009 CT-222887

Type of entity: Union Europea

Start-End date: 01/10/2009 - 01/10/2013

Total amount: 302.000 €

- 16 Name of the project:** The Network of Animal Disease Infectiology and Research Facilities

Degree of contribution: Researcher

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Ester Blanco

Funding entity or bodies:

EU FP7-CT2009-228394

Type of entity: Union Europea

Start-End date: 01/05/2009 - 01/05/2013

Total amount: 300.000 €

- 17 Name of the project:** ESTUDIO DE LA SUSCEPTIBILIDAD/RESISTENCIA DEL GANADO OVINO A LA INFECCION POR PRIONES

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan Maria Torres

Funding entity or bodies:

Plan Nacional de I+D+I AGL2009-11553-C02-02

Type of entity: State agency

Start-End date: 01/01/2010 - 31/12/2012

Total amount: 100.000 €

- 18 Name of the project:** Understanding prion strains and species barriers and devising novel diagnostic approaches

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan Maria Torres

Funding entity or bodies:

UE FP6-2004-FOOD3-023183

Start-End date: 01/11/2006 - 30/04/2010

Total amount: 250.000 €



- 19** **Name of the project:** Network of Excellence of the Prion diseases
Entity where project took place: INIA + 52 grupos europeos
Name principal investigator (PI, Co-PI....): Juan María Torres
Funding entity or bodies:
UE CT2004-506579 FOOD PRO
Start-End date: 01/09/2003 - 31/12/2009
Total amount: 400.000 €
- 20** **Name of the project:** Organización del Congreso internacional Prión2008
Entity where project took place: Inia **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): Juan María Torres Trillo
Funding entity or bodies:
Plan Nacional de I+D+I (AGL2008-01267-E/GAN) **Type of entity:** State agency
Start-End date: 01/01/2008 - 31/12/2008
Total amount: 25.000 €
- 21** **Name of the project:** Estudio de la infectividad de la EEB en humanos después de ser pasada por otras especies de interés ganadero utilizando bioensayos basados en ratones transgénicos. Implicaciones en seguridad alimentar
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan Maria Torres
Funding entity or bodies:
Plan Nacional de I+D+I RTA2006-00091
Start-End date: 01/11/2006 - 31/12/2008
Total amount: 119.762 €
- 22** **Name of the project:** DESARROLLO DE NUEVOS BIOENSAYOS CELULARES SUSCEPTIBLES A LA REPLICACION DE LOS PRIONES
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan Maria Torres
Funding entity or bodies:
Plan Nacional de I+D+I AGL2005-03066
Start-End date: 01/01/2006 - 31/12/2008
Total amount: 163.000 €
- 23** **Name of the project:** European project to study BSE strain in sheep
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan María Torres
Funding entity or bodies:
UE QLRT-2001-01309
Start-End date: 01/01/2003 - 31/12/2008
Total amount: 348.000 €
- 24** **Name of the project:** ESTUDIO DE LA TRANSMISIBILIDAD DE LA EEB Y DEL SCRAPIE A LA ESPECIE PORCINA
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan María Torres
Funding entity or bodies:
Plan Nacional de I+D+I EET2002-05140



Start-End date: 01/04/2003 - 01/04/2006

Total amount: 61.400 €

- 25 Name of the project:** Estudio neuropatológico de un modelo experimental murino de encefalopatía espongiforme bovina

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Alejandro Brun Torres

Funding entity or bodies:

Plan Nacional de I+D+I? EET2002-05168-C04-02

Start-End date: 01/04/2003 - 01/04/2006

Total amount: 61.640 €

- 26 Name of the project:** Improved bioassays for TSE agents based on the bank vole, wild rodent species highly susceptible to scrapie, and its possible role in scrapie epidemiology.

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan María Torres Trillo

Funding entity or bodies:

UE QLRT-2001-01333

Start-End date: 01/09/2002 - 31/08/2005

Total amount: 70.000 €

- 27 Name of the project:** Inmunoterapia aplicada a enfermedades producidas por priones.

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan María Torres

Funding entity or bodies:

Plan Nacional de I+D+I (2000-2003 (ET2001-4217-C02-02)

Start-End date: 01/01/2002 - 31/12/2004

Total amount: 99.000 €

- 28 Name of the project:** Desarrollo de líneas celulares susceptibles a la infección con priones como modelo para el estudio de la replicación de los priones y como bioensayo de alta sensibilidad

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan María Torres

Funding entity or bodies:

PROGRAMA DE RECURSOS Y TECNOLOGIAS AGRARIAS: RTA02-033

Start-End date: 01/01/2001 - 31/12/2003

Total amount: 240.000 €

- 29 Name of the project:** Determinación de la infectividad de diferentes tejidos de interés alimentario procedentes de animales infectados con BSE utilizando un modelo basado en ratones transgénicos

Entity where project took place: INIA

Name principal investigator (PI, Co-PI....): Juan María Torres

Funding entity or bodies:

PROGRAMA NACIONAL DE ALIMENTACIÓN: CAL01-018

Start-End date: 01/01/2001 - 31/12/2003

Total amount: 228.000 €

- 30** **Name of the project:** Funcionalidad Génica y mecanismos de replicación del virus de la enfermedad hemorrágica del conejo
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Francisco Parra
Funding entity or bodies:
CICYT (BIO2000-0578-C02-02)
Start-End date: 01/01/2001 - 31/12/2003
Total amount: 60.000 €
- 31** **Name of the project:** New approaches to the diagnosis and control of transmissible spongiform encephalopathies
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Juan María Torres
Nº of researchers: 3
Funding entity or bodies:
UE FAIR5-CT97-3306
Start-End date: 01/04/1998 - 31/03/2003
Total amount: 570.000 €
- 32** **Name of the project:** Desarrollo de métodos de diagnóstico prácticos para la detección precoz y control de las encefalopatías espongiformes transmisibles (TSEs)
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Belén Pintado
Funding entity or bodies:
Programa Sectorial MAPA. Ref. SC00-05
Start-End date: 01/01/2000 - 31/12/2002
Total amount: 240.000 €
- 33** **Name of the project:** Separation, identification and characterization of normal and abnormal isoforms of prion proteins from normal and experimentally infected fish
Entity where project took place: INIA **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): Jose M. Sánchez-Vizcaino
Nº of researchers: 3
Funding entity or bodies:
UE FAIR5- CT98-3308
Start-End date: 01/01/1998 - 31/12/2001
Total amount: 72.000 €
- 34** **Name of the project:** DESARROLLO DE VACUNAS COMESTIBLES CONTRA EL VIRUS DE LA FIEBRE HEMORRÁGICA DEL CONEJO USANDO UN VECTOR VIRAL PARA PLANTAS BASADO EN EL POTYVIRUS DEL MOSAICO DEL NABO
Entity where project took place: INIA
Name principal investigator (PI, Co-PI....): Jose M. Sánchez-Vizcaino
Funding entity or bodies:
Programa Sectorial MAPA. Ref. SC98-099-C2-1.
Start-End date: 01/01/1998 - 31/12/2000
Total amount: 108.000 €



- 35** **Name of the project:** Physiopathologie des recepteurs de l'Alpha-fetoprotéin dans les cellules lymphoblastoides humaines.
Entity where project took place: Institut de Recherches Scientifiques sur le Cancer. Villejuif (Francia).
Name principal investigator (PI, Co-PI....): José Uriel
Funding entity or bodies:
Asociation pour la Recherche contre le Cancer (ARC)
Start-End date: 01/01/1988 - 31/12/1990
Total amount: 0 €
- 36** **Name of the project:** Molecular approaches to the control of coronavirus-associated disease
Entity where project took place: CNB-CSIC
Name principal investigator (PI, Co-PI....): Luis Enjuanes
Funding entity or bodies:
CEE (Science ES EE 501996)
Start date: 01/01/1993
Total amount: 0 €
- 37** **Name of the project:** New vaccines based on optimal reconstruction of immunogenic structures for systemic or oral delivery
Entity where project took place: CNB-CSIC
Name principal investigator (PI, Co-PI....): Luis Enjuanes
Funding entity or bodies:
UE Programa BIOTECH. (CSIC 374/H)
Start date: 01/01/1993
Total amount: 0 €
- 38** **Name of the project:** Bases moleculares del tropismo, variabilidad y protección inmunológica frente al virus de la gastroenteritis porcina transmisible
Entity where project took place: CNB-CSIC
Name principal investigator (PI, Co-PI....): Luis Enjuanes
Funding entity or bodies:
CICYT (BIO091-0710)
Start date: 01/01/1992
Total amount: 0 €
- 39** **Name of the project:** Financiación complementaria al proyecto Science ES EE 501996, Molecular approaches to the control of coronavirus-associated diseases
Entity where project took place: CNB-CSIC
City of entity: Madrid,
Name principal investigator (PI, Co-PI....): Luis Enjuanes
Funding entity or bodies:
CICYT (BIO-1445/91-CE)
Start date: 01/01/1992
Total amount: 0 €
- 40** **Name of the project:** Inducción de protección frente a la gastroenteritis porcina
Entity where project took place: CNB-CSIC
Name principal investigator (PI, Co-PI....): Luis Enjuanes
Funding entity or bodies:



Comunidad de Madrid (C074/91)

Start date: 01/01/1992

Total amount: 0 €

- 41 Name of the project:** Molecular approaches to the control of coronavirus-associated diseases Investigador Principal: Luis Enjuanes

Entity where project took place: CNB-CSIC

Name principal investigator (PI, Co-PI....): Luis Enjuanes

Funding entity or bodies:

CEE (SCI-CT91-0684-LNBE)

Start date: 01/01/1992

Total amount: 0 €

- 42 Name of the project:** Cell internalization of antitumor drugs. Chemical synthesis and analysis of fatty acid-drug complexes with cytotoxic activity.

Entity where project took place: Institut de Recherches Scientifiques sur le Cancer. Villejuif (Francia).

Name principal investigator (PI, Co-PI....): José Uriel

Funding entity or bodies:

Centre National de la Recherche Scientifique (CNRS).

Start date: 01/01/1990

Total amount: 0 €

- 43 Name of the project:** Evaluation de l'endocytose de l'Alpha-fetoprotéine et de la transferrine par les lymphocytes du sang périphérique provenant de sujets séropositifs pour le virus HIV-1.

Entity where project took place: Institut de Recherches Scientifiques sur le Cancer. Villejuif (Francia).

Name principal investigator (PI, Co-PI....): José Uriel

Funding entity or bodies:

Agence National pour la Recherche contre le SIDA (ANRS)

Start date: 01/01/1990

Total amount: 0 €

- 44 Name of the project:** Role de la Alpha-fetoprotéine dans l'incorporation d'acides gras par des lignées cellulaires dérivées de lymphomes B et T humaines.

Entity where project took place: Institut de Recherches Scientifiques sur le Cancer. Villejuif (Francia).

Name principal investigator (PI, Co-PI....): José Uriel

Funding entity or bodies:

Unión Europea

Start date: 01/01/1988

Total amount: 0 €

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

- 1** **Name of the project:** CON19-140. Mouse bioassays for chronic wasting disease risk assessment in Portugal
- Type of project:** Research and development, including transfer
- Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
- Degree of contribution:** Coordinator of total project, network or consortium
- Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
- Name principal investigator (PI, Co-PI....):** Juan María Torres
- Nº of researchers:** 1
- Participating entity/entities:** INIA
- Funding entity or bodies:** INSTITUTO NACIONAL DE INVESTIGAÇÃO AGRÁRIA E VETERINÁRIA, I.P. (INIAV) DE PORTUGAL
- Type of entity:** Public Research Body
- Start date:** 05/09/2019
- Duration:** 3 years
- Total amount:** 20.000 €
- 2** **Name of the project:** CON18-028. detection of prion infectivity in RT-QuIC product by bioassay in HuPrP transgenic mice
- Type of project:** Research and development, including transfer
- Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
- Degree of contribution:** Coordinator of total project, network or consortium
- Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
- Name principal investigator (PI, Co-PI....):** Juan María Torres
- Nº of researchers:** 1
- Participating entity/entities:** INIA; Univesitäts-Medizin Göttingen (UMG)
- Funding entity or bodies:** Univesitäts-Medizin Göttingen (UMG)
- Type of entity:** University
- City funding entity:** Göttingen, Germany
- Start date:** 19/10/2018
- Duration:** 3 years
- Total amount:** 42.900 €
- 3** **Name of the project:** CON19-140. Mouse bioassays for chronic wasting disease risk assessment in Portugal
- Type of project:** Research and development, including transfer
- Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
- Degree of contribution:** Coordinator of total project, network or consortium
- Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)
- Name principal investigator (PI, Co-PI....):** Juan María Torres
- Nº of researchers:** 1
- Participating entity/entities:** INIA; Univesitäts-Medizin Göttingen (UMG)
- Funding entity or bodies:**
- Type of entity:** Public Research Body



INSTITUTO NACIONAL DE INVESTIGAÇÃO
AGRÁRIA E VETERINÁRIA, I.P. (INIAV) DE
PORTUGAL

Start date: 19/10/2018
Total amount: 42.900 €

Duration: 3 years

- 4** **Name of the project:** CON17-045. Evaluación de la capacidad de descontaminación de priones del producto TFD-PREMIUN en Hamster

Type of project: Research and development, including transfer

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Name principal investigator (PI, Co-PI....): Juan María Torres

Nº of researchers: 1

Participating entity/entities: Franklab; INIA

Funding entity or bodies:

Franklab (France)

Type of entity: Business

City funding entity: Paris, France

Start date: 06/07/2017
Total amount: 52.800 €

Duration: 3 years

- 5** **Name of the project:** CON14-043 TESTING DECONTAMINATION PROCEDURES AGAINST PRION INFECTIVITY.

Type of project: Research and development, including transfer

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Name principal investigator (PI, Co-PI....): Juan María Torres

Nº of researchers: 2

Participating entity/entities: INIA; INRA and Franklab SA

Funding entity or bodies:

INRA and Franklab (France)

Start date: 27/01/2015
Total amount: 56.400 €

Duration: 3 years

- 6** **Name of the project:** CON14-004 EVALUACIÓN DE LA CAPACIDAD DE ELIMINACIÓN DE LA INFECTIVIDAD DE LOS AGENTES CAUSANTES DE EETs DE LA ETAPA DE CROMATOGRAFÍA DE INTERCAMBIO IÓNICO (DEAE CELULOSA) DE LOS PROCESOS DE PRODUCCIÓN DE PROFILNINE®SD Y ALPHANINE®SD DE GRIFOLS.

Type of project: Research and development, including transfer

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Degree of contribution: Scientific coordinator

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Name principal investigator (PI, Co-PI....): Juan María Torres

Participating entity/entities: Instituto Grifols SA e INIA

Funding entity or bodies:

Instituto Grifols SA

Type of entity: Business**Start date:** 01/04/2014**Duration:** 4 years - 6 months**Total amount:** 118.000 €

- 7 Name of the project:** CON12-034 EVALUACIÓN DE LA CAPACIDAD DE ELIMINACIÓN DE LA INFECTIVIDAD DE LOS AGENTES CAUSANTES DE EETs DE LA ETAPA DE NANOFILTRACIÓN DEL PROCESO DE PRODUCCIÓN DE FIBRINÓGENO.

Type of project: Research and development, including transfer**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)**Degree of contribution:** Scientific coordinator**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)**Name principal investigator (PI, Co-PI....):** Juan María Torres**Participating entity/entities:** Instituto Grifols SA e INIA**Funding entity or bodies:**

Instituto Grifols SA

Type of entity: Business**Start date:** 01/05/2012**Duration:** 4 years - 6 months**Total amount:** 104.000 €

- 8 Name of the project:** CC10-067 Estimación por bionessayo de la eliminación de la infectividad causada por priones en los procesos de obtención de hemoderivados

Type of project: Research and development, including transfer**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)**Degree of contribution:** Scientific coordinator**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)**Name principal investigator (PI, Co-PI....):** Juan María Torres**Nº of researchers:** 1**Participating entity/entities:** Instituto GRIFOLS e INIA**Funding entity or bodies:**

Instituto GRIFOLS e INIA

Start date: 15/12/2010**Duration:** 3 years - 7 months - 16 days**Total amount:** 194.000 €

- 9 Name of the project:** CC05-036 Development of a blood test to identify animals that are carriers of the Q171 genotype in the bovine PrP gene based on the 2A11 monoclonal antibody

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)**Degree of contribution:** Coordinator of total project, network or consortium**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)**Name principal investigator (PI, Co-PI....):** Juan Maria Torres Trillo**Nº of researchers:** 2**Participating entity/entities:** INIA/CEA/Bio-Rad**Funding entity or bodies:**

Bio-Rad

Start date: 23/11/2005**Duration:** 2 years

Total amount: 186.000 €

- 10 Name of the project:** CC05-002 Preparación de un homogenado de priones 263K y análisis de la eliminación de priones durante el fraccionamiento del plasma sanguíneo de animales afectados de encefalopatía espongiforme.

Type of project: Research and development, including transfer

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Degree of contribution: Scientific coordinator

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Name principal investigator (PI, Co-PI....): Juan María Torres Trillo

Nº of researchers: 2

Participating entity/entities: INSTITUTO GRIFOLS/INIA

Funding entity or bodies:
INSTITUTO GRIFOLS/INIA

Start date: 13/05/2005

Duration: 5 years

Total amount: 127.000 €

- 11 Name of the project:** CC04-001 Generación, Selección y caracterización diagnóstica de anticuerpos monoclonales de la proteína del prion (PrP)

Type of project: Research and development, including transfer

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

Name principal investigator (PI, Co-PI....): Juan María Torres

Nº of researchers: 2

Participating entity/entities: INGENASA/INIA

Funding entity or bodies:
INGENASA/INIA

Start date: 07/07/2004

Duration: 1 year

Total amount: 61.212 €

- 12 Name of the project:** Realización de los trabajos necesarios para conseguir la autorización de la vacuna del conejo de monte por la agencia europea para la evaluación del medicamento (EMA).

Type of project: Technical viability study

Entity where project took place: LABORATORIOS SYVA, S.A.

Degree of contribution: Researcher

Entity where project took place: LABORATORIOS SYVA, S.A.

Name principal investigator (PI, Co-PI....): SYVA

Nº of researchers: 0

Participating entity/entities: INIA-FEDENCA-Fundación Biodiversidad-SYVA

Funding entity or bodies:
INIA-FEDENCA-Fundación Biodiversidad-SYVA

Start date: 05/04/2004

Duration: 3 years - 9 months

Total amount: 0 €

- 13 Name of the project:** Desarrollo de una vacuna recombinante contra la enfermedad vírica hemorrágica y la mixomatosis del conejo.
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): José M. Sanchez-Vicaino
Nº of researchers: 4
Participating entity/entities: INIA
Funding entity or bodies: Fedenca/INIA
Start date: 24/01/1996 **Duration:** 5 years - 5 months
Total amount: 400.000 €

Results

Industrial and intellectual property

- 1 Title registered industrial property:** Procédé d'identification du genotype en position 171 de la protéine prion d'ovin ainsi que trousse de mise en oeuvre de ce procédé.
Type of industrial property: Patent of invention **Author's rights:** Yes
Inventors/authors/obtainers: Torres, J.; Grassi, J.; Bilheude, A.; Brun, N.; Morel
Entity holder of rights: INIA, Bio-Rad, CEA
Nº of application: PCT/FR2006/051230, CN101336374A, EP1952153A2, WO2007060373A2
Country of inscription: France
Date of register: 25/11/2005
Conferral date: 22/02/2008
EU patent: Yes
International non-EU patent: Yes **PCT patent:** Yes
Companies: BIO-RAD
- 2 Title registered industrial property:** Nuevo virus recombinante de mixoma atenuado y su uso en la preparación de vacunas mixtas contra la mixomatosis y la enfermedad hemorrágica vírica de los conejos
Inventors/authors/obtainers: Bárcena, R.; Blasco, M.; Morales, A.; Pag; Sanchez-Vizcaino, J.; Torres, B.; Vazquez
Entity holder of rights: FEDENCA/INIA
Nº of application: EP19990500099, EP0972840 B1, EP0972840A2, EP0972840A3
Country of inscription: Spain
Date of register: 10/06/1998
Conferral date: 31/07/2001
Spanish patent: Yes **EU patent:** Yes
International non-EU patent: Yes **PCT patent:** Yes
Companies: Laboratorios SYVA
- 3 Title registered industrial property:** Adenovirus recombinantes que expresan antígenos del virus de la gastroenteritis porcina transmisible (VGPT) y su empleo en la formulación de vacunas
Inventors/authors/obtainers: Plana, L.; Enjuanes, J.; Torres, C.; Sanchez, C.; Smerdou y; Suñé
Entity holder of rights: Cyanamid Iberica, S.A
Nº of application: PCT/ES1996/000185, WO1997020036 A1
Country of inscription: Spain
Date of register: 30/11/1995
Conferral date: 16/04/1998



Spanish patent: Yes
International non-EU patent: Yes
Companies: Cyanamid Iberica, S.A

EU patent: Yes
PCT patent: Yes

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Vanni I, Iacobone F, D'agostino C, Giovannelli M, Pirisinu L, Altmeppen HC, Castilla J,; Torres JM y otros. An optimized western blot assay provides a comprehensive assessment of the physiological endoproteolytic processing of the prion protein. .J Biol Chem.12, pp. 102823. 2022. Available on-line at: <<https://doi.org/10.1016/j.jbc.2022.102823>>.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 2** Enric Vidal, Manuel A. Sánchez Martín, Hasier Eraña, Sonia Pérez Lázaro, Miguel A. Pérez Castro, Ali; Torres JM y otros. Bona fide atypical scrapie faithfully reproduced for the first time in a rodent model. 10:179.Acta Neuropathologica Communications. 10, pp. 79. 2022. Available on-line at: <<https://doi.org/10.1186/s40478-022-01477-7>>.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 3** Otero A; Barrio T; Eraña H; Charco JM; Betancor M; Díaz-Domínguez CM; Marín B; Andréoletti O;; Torres JM y otros. Glycans are not necessary to maintain the pathobiological features of bovine spongiform encephalopathy.Plos Pathogens. 2022. Available on-line at: <10.1371/journal.ppat.1010900>.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 4** Schmitz M; Canaslan S; Espinosa JC; Fernández-Borges N; Villar-Piqué A; Llorens F; Varges D; Maass F; Torres JM; Hermann P y otros. Validation of Plasma and CSF Neurofilament Light Chain as an Early Marker for Sporadic Creutzfeldt-Jakob Disease.Molecular neurobiology. 2022. Available on-line at: <DOI: 10.1007/s12035-022-02891-7>.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 5** Juan Carlos Espinosa; Marín-Moreno A; Aguilar-Calvo P; J. M. Torres. Met(166) -Glu(168) residues in human PrP beta2-alpha2 loop account for evolutionary resistance to prion infection.Neuropathol Appl Neurobiol. e12676, pp. 506 - 518. 01/06/2021. Available on-line at: <doi: 10.1111/nan.12676>.

DOI: 10.1093/infdis/jiz646
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 6** Espinosa JC, Andreoletti O, Marín-Moreno A, Lugan S, Aguilar-Calvo P, Cassard H, Lorenzo P, Douet JY; Villa-Díaz A, Aron N, Prieto I, Huor A, Torres JM. Allelic Interference in Prion Replication Is Modulated by the Convertibility of the Interfering PrPC and Other Host-Specific Factors.mBio. 12 - 2, pp. e03508 - e03520. 2021. Available on-line at: <doi: 10.1128/mBio.03508-20>.

Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes

- 7** Marín-Moreno A, Espinosa JC, Aguilar-Calvo P, Fernández-Borges N, Pitarch JL, González L, Torres JM.. Canine D163-PrP polymorphic variant does not provide complete protection against prion infection in small ruminant PrP context. *Sci Rep.* 11 - 1, pp. 14309. 2021. Available on-line at: <doi: 10.1038/s41598-021-93594-x>.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 8** Marín B, Otero A, Lugan S, Espinosa JC, Marín-Moreno A, Vidal E, Hedman C, Romero A, Pumarola M; Badiola JJ, Torres JM, Andréoletti O, Bolea R.. Classical BSE prions emerge from asymptomatic pigs challenged with atypical/Nor98 scrapie. *Sci Rep.* 11 - 1, pp. 17428. 2021. Available on-line at: <doi: 10.1038/s41598-021-96818-2>.
Type of production: Scientific paper
Corresponding author: No
- 9** Marín-Moreno A, Aguilar-Calvo P, Espinosa JC, Zamora-Ceballos M, Pitarch JL, González L; Fernández-Borges N, Orge L, Andréoletti O, Nonno R, Torres JM.. Classical scrapie in small ruminants is caused by at least four different prion strains. *Vet Res.* 52 - 1, pp. 57. 2021. Available on-line at: <doi: 10.1186/s13567-021-00929-7>.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 10** Ximelis T, Marín-Moreno A, Espinosa JC, Eraña H, Charco JM, Hernández I, Riveira C, Alcolea D; Molina-Porcel L, Parchi P, Rossi M, Castilla J, Ruiz-García R, Gelpi E, Torres JM, Sánchez-Valle R.. Homozygous R136S mutation in PRNP gene causes inherited early onset prion disease. *Alzheimers Res Ther.* 13 - 1, pp. 176. 2021. Available on-line at: <doi: 10.1186/s13195-021-00912-6>.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 11** Bistaffa E, Marín-Moreno A, Espinosa JC, De Luca CMG, Cazzaniga FA, Portaleone SM, Celauro L,; Legname G, Giaccone G, Torres JM, Moda F. PMCA-generated prions from the olfactory mucosa of patients with Fatal Familial Insomnia cause prion disease in mice. *Elife.* 10 - e65311, 2021. Available on-line at: <doi: 10.7554/eLife.65311>.
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Corresponding author: No
- 12** Diaz-Lucena D, Kruse N, Thüne K, Schmitz M, Villar-Piqué A, da Cunha JEG, Hermann P, López-Pérez Ó; Andrés-Benito P, Ladogana A, Calero M, Vidal E, Riggert J, Pineau H, Sim V, Zetterberg H, Blennow K; Del Río JA, Marín-Moreno A, Espinosa JC, Torres JM, Sánchez-Valle R, Mollenhauer B, Ferrer I, Zerr I; Llorens F. TREM2 expression in the brain and biological fluids in prion diseases. *Acta Neuropathol.* 141 - 6, pp. 841 - 859. 2021. Available on-line at: <doi: 10.1007/s00401-021-02296-1>.
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Corresponding author: No
- 13** Cali I, Espinosa JC, Nemani SK, Marin-Moreno A, Camacho MV, Aslam R, Kitamoto T, Appleby BS; Torres JM, Gambetti P.. Two distinct conformers of PrPD type 1 of sporadic Creutzfeldt-Jakob disease with codon 129VV genotype faithfully propagate in vivo. *Acta Neuropathol Commun.* 9 - 1, pp. 55. 2021. Available on-line at: <doi: 10.1186/s40478-021-01132-7>.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 14** Andreoletti O; Douet JY, Huor A, Cassard H, Lugan S, Aron N, Arnold M, Vilette D, Torres JM, Ironside JW. Wide distribution of prion infectivity in the peripheral tissues of vCJD and sCJD patients. *Acta Neuropathol.* 141 - 3, pp. 383 - 397. 141(3):383-397. doi: 10.1007/s00401-021-02270-x, 2021. Available on-line at: <doi: 10.1007/s00401-021-02270-x>.
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- 15** Juan Carlos Espinosa; Marín-Moreno A; Aguilar-Calvo P; Benestad SL; Andréoletti O; J. M. Torres. Porcine Prion Protein as a Paradigm of Limited Susceptibility to Prion Strain Propagation. 2020 Jan 9. pii: jiz646. doi: .J Infectious Diseases. 221 - 12, pp. 2085 - 2095. 09/01/2020. Available on-line at: <<https://doi.org/10.1093/infdis/jiaa073>>.
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Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 16** Nonno, Romolo; Marin-Moreno, Alba; Espinosa, Juan Carlos; Fast, Christine; Van Keulen, Lucien; Spiropoulos, John; Lantier, Isabelle; Andreoletti, Olivier; Pirisinu, Laura; Di Bari, Michele A.; Aguilar-Calvo, Patricia; Sklaviadis, Theodoros; Papasavva-Stylianou, Penelope; Acutis, Pier Luigi; Acin, Cristina; Bossers, Alex; Jacobs, Jorge G.; Vaccari, Gabriele; D'Agostino, Claudia; Chiappini, Barbara; Lantier, Frederic; Groschup, Martin H.; Agrimi, Umberto; Torres, Juan Maria; Langeveld, Jan P. M.. Characterization of goat prions demonstrates geographical variation of scrapie strains in Europe and reveals the composite nature of prion strains. SCIENTIFIC REPORTS. 10, 2020. ISSN 2045-2322
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 17** Belondrade, Maxime; Jas-Duval, Christelle; Nicot, Simon; Bruyere-Ostells, Lilian; Mayran, Charly; Herzog, Laetitia; Reine, Fabienne; Maria Torres, Juan; Fournier-Wirth, Chantal; Beringue, Vincent; Lehmann, Sylvain; Bougard, Daisy. Correlation between Bioassay and Protein Misfolding Cyclic Amplification for Variant Creutzfeldt-Jakob Disease Decontamination Studies. MSPHERE. 5, 2020. ISSN 2379-5042
Type of production: Scientific paper
- 18** Igel-Egalon, Angelique; Laferriere, Florent; Tixador, Philippe; Moudjou, Mohammed; Herzog, Laetitia; Reine, Fabienne; Torres, Juan Maria; Laude, Hubert; Rezaei, Human; Beringue, Vincent. Crossing Species Barriers Relies on Structurally Distinct Prion Assemblies and Their Complementation. MOLECULAR NEUROBIOLOGY. 57, 2020. ISSN 0893-7648
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- 19** Toivonen, Janne M.; Sanz-Rubio, David; Lopez-Perez, Oscar; Marin-Moreno, Alba; Bolea, Rosa; Osta, Rosario; Badiola, Juan J.; Zaragoza, Pilar; Espinosa, Juan-Carlos; Torres, Juan-Maria; Martin-Burriel, Inmaculada. MicroRNA Alterations in a Tg501 Mouse Model of Prion Disease. BIOMOLECULES. 10, 2020.
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- 20** Barrio, Tomas; Filali, Hicham; Otero, Alicia; Sheleby-Elias, Jessica; Marin, Belen; Vidal, Enric; Beringue, Vincent; Torres, Juan Maria; Groschup, Martin; Andreoletti, Olivier; Badiola, Juan Jose; Bolea, Rosa. Mixtures of prion substrains in natural scrapie cases revealed by ovinised murine models. SCIENTIFIC REPORTS. 10, 2020. ISSN 2045-2322
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- 21** Cassard, Herve; Huor, Alvina; Espinosa, Juan-Carlos; Douet, Jean-Yves; Lugan, Severine; Aron, Naima; Vilette, Didier; Delisle, Marie-Bernadette; Marin-Moreno, Alba; Peran, Patrice; Beringue, Vincent; Maria Torres, Juan; Ironside, James W.; Andreoletti, Olivier. Prions from Sporadic Creutzfeldt-Jakob Disease Patients Propagate as Strain Mixtures. MBIO. 11, 2020. ISSN 2150-7511
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- 22** Marin-Moreno, Alba; Huor, Alvina; Carlos Espinosa, Juan; Douet, Jean Yves; Aguilar-Calvo, Patricia; Aron, Naima; Piquer, Juan; Lugan, Severine; Lorenzo, Patricia; Tillier, Cecile; Cassard, Herve; Andreoletti, Olivier; Maria Torres, Juan. Radical Change in Zoonotic Abilities of Atypical BSE Prion Strains as Evidenced by Crossing of Sheep Species Barrier in Transgenic Mice. EMERGING INFECTIOUS DISEASES. 26, 2020. ISSN 1080-6040
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- 23** T. Z. Hirsch; S. Martin-Lannerée; Reine F; J. Hernandez-Rapp; Herzog L; Dron M; Privat N; B. Passet; S. Halliez; A. Villa-Diaz; Lacroux C; Klein V; Haïk S; Andréoletti O; J. M. Torres; Vilotte JL; V. Béringue; S. Mouillet-Richard. Epigenetic Control of the Notch and Eph Signaling Pathways by the Prion Protein: Implications for Prion Diseases. *Molecular Neurobiology*. 56 - 3, pp. 2159 - 2173. 2019. Available on-line at: <<https://doi.org/10.1007/s12035-018-1193-7>>.
DOI: 10.1007/s12035-018-1193-7
Type of production: Scientific paper **Format:** Journal
- 24** Schmitz M; Kanata E; Llorens F; Dafou D; Dimitriadis A; Thüne K; V. Béringue; S. Mouillet-Richard; Espinosa JC; Marín-Moreno A; Capece V; Shormoni O; Andréoletti O; Bonn S; Torres JM; Ferrer I; Zerr I; Sklaviadis T. RNA editing alterations define manifestation of prion diseases. *Proc Natl Acad Sci U S A*. 116 - 39, pp. 19727 - 19735. 2019. Available on-line at: <<https://doi.org/10.1007/s12035-018-1193-7>>.
DOI: 10.1007/s12035-018-1193-7
Type of production: Scientific paper **Format:** Journal
- 25** Huor, Alvina; Carlos Espinosa, Juan; Vidal, Enric; Cassard, Herve; Douet, Jean-Yves; Lugan, Severine; Aron, Naima; Marin-Moreno, Alba; Lorenzo, Patricia; Aguilar-Calvo, Patricia; Badiola, Juan; Bolea, Rosa; Pumarola, Marti; Benestad, Sylvie L.; Orge, Leonore; Thackray, Alana M.; Bujdoso, Raymond; Torres, Juan-Maria; Andreoletti, Olivier. The emergence of classical BSE from atypical/Nor98 scrapie. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. 116, 2019. ISSN 0027-8424
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- 26** A. Marín-Moreno; P. Aguilar-Calvo; Moudjou M; J. C. Espinosa; Vincent Béringue; J. M. Torres. Thermostability as a highly dependent prion strain feature. *Scientific Reports*. 9 - 1, pp. 11396 - 11401. 2019.
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Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 27** Carlos Espinosa, Juan; Comoy, Emmanuel E.; Marin-Moreno, Alba; Aguilar-Calvo, Patricia; Birling, Marie-Christine; Luis Pitarch, Jose; Deslys, Jean-Philippe; Maria Torres, Juan. Transgenic mouse models expressing human and macaque prion protein exhibit similar prion susceptibility on a strain-dependent manner. *SCIENTIFIC REPORTS*. 9, 2019. ISSN 2045-2322
Type of production: Scientific paper
- 28** Both murine host modulates expression of experimental variant Creutzfeldt-Jakob disease. *Journal of General Virology*. 99 - 3, pp. 422 - 433. 2018.
DOI: 10.1099/jgv.0.001017
Type of production: Scientific paper **Format:** Journal
- 29** E. Martí; S. Zafar; F. Llorens; E. Kanata; K. Thüne; M. Schmitz; D. Dafou; D. Díaz-Lucena; J. M. Torres; O. Andréoletti; I. Ferrer; I. Zerr. Molecular alterations in the cerebellum of sporadic creutzfeldt-jakob disease subtypes with DJ-1 as a key regulator of oxidative stress. *Molecular Neurobiology*. 55 - 1, pp. 517 - 537. 2018.
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- 30** A. Marín-Moreno; P. Aguilar-Calvo; Pitarch JL; J. C. Espinosa; J. M. Torres. Non-pathogenic heterologous prions can interfere with prion infection in a strain dependent manner. *Journal of Virology*. 92 - 24, pp. JVI.01086-18 - JVI.01086-18. 2018.
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- 32** F. Llorens; K. Thüne; E. Martí; E. Kanata; D. Dafou; D. Díaz-Lucena; A. Vivancos; O. Shomroni; S. Zafar; M. Schmitz; U. Michel; N. Fernández-Borges; O. Andréoletti; J. A. Del Río; J. Díez; A. Fischer; S. Bonn; T. Sklaviadis; J. M. Torres; I. Ferrer; I. Zerr. Regional and subtype-dependent miRNA signatures in sporadic Creutzfeldt-Jakob disease are accompanied by alterations in miRNA silencing machinery and biogenesis. *PLoS Pathog.* 14 - 1, pp. e1006802 - e1006802. 2018. Available on-line at: <<https://www.ncbi.nlm.nih.gov/pubmed/29357384>>.
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- 33** F. Llorens; K. Thüne; B. Sikorska; M. Schmitz; W. Tahir; N. Fernández-Borges; M. Cramm; N. Gotzmann; M. Carmona; N. Streichenberger; U. Michel; S. Zafar; A. L. Schuetz; A. Rajput; O. Andréoletti; S. Bonn; A. Fischer; P. P. Liberski; J. M. Torres; I. Ferrer; I. Zerr. Altered Ca(2+) homeostasis induces Calpain-Cathepsin axis activation in sporadic Creutzfeldt-Jakob disease. *Acta Neuropathol Commun.* 5 - 1, pp. 35 - 35. 2017. Available on-line at: <<https://www.ncbi.nlm.nih.gov/pubmed/28449707>>.
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Type of production: Scientific paper **Format:** Journal
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- 36** A. Mata; L. Urrea; S. Vilches; F. Llorens; K. Thüne; J. C. Espinosa; O. Andréoletti; A. M. Sevillano; J. M. Torres; J. R. Requena; I. Zerr; I. Ferrer; R. Gavín; J. A. Del Río. Reelin Expression in Creutzfeldt-Jakob Disease and Experimental Models of Transmissible Spongiform Encephalopathies. *Mol Neurobiol.* 54 - 8, pp. 6412 - 6425. 2017. Available on-line at: <<https://www.ncbi.nlm.nih.gov/pubmed/27726110>>.
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Type of production: Scientific paper **Format:** Journal
- 39** J. M. Torres; A. Marín-Moreno; O. Andreoletti; J. C. Espinosa; Beringue, V.; Aguilar-Calvo, P.; N. Fernández-Borges. Prion Diseases in Animals and Zoonotic Potential. *Food Safety.* 4 - 4, pp. 105. 2016. Available on-line at: <DOI: 10.14252/foodsafetyfscj.2016021>.

**DOI:** 10.14252/foodsafetyfscj.2016021**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes

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- 42** Tahir, W.; Zafar, S; F. Llorens; Arora, A. S.; K. Thüne; M. Schmitz; N. Gotzmann; N. Kruse; B. Mollenhauer; Torres, JM; O. Andréoletti; I. Ferrer; I. Zerr. Molecular Alterations in the Cerebellum of Sporadic Creutzfeldt–Jakob Disease Subtypes with DJ-1 as a Key Regulator of Oxidative Stress. *Mol Neurobiol* (2016) <https://doi.org/10.1007/s12035-016-0294-4>. 2016. Available on-line at: <<https://doi.org/10.1007/s12035-016-0294-4>>.
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- 43** J. C. Espinosa; R. Nonno; M. Di Bari; P. Aguilar-Calvo; L. Pirisinu; N. Fernández-Borges; I. Vanni; G. Vaccari; A. Marín-Moreno; P. Frassanito; P. Lorenzo; U. Agrimi; J. M. Torres. PrPC governs prion strain susceptibility in bank vole while others host factors modulate strain features. *J Virol.* 90 - 23, pp. 10660 - 10669. 2016.
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DOI: 10.1007/s12035-016-0177-8
Type of production: Scientific paper **Format:** Journal
- 45** Patricia Aguilar-Calvo; Olivier Andreoletti; Alex Bossers; Jan Langeveld; Wilfred Goldmann; Muhammad Nadeem; Martin H. Groschup; Juan-Carlos Espinosa; Kerstin Tauscher; Christine Fast; Juan Maria Torres. Effect of Q211 and K222 PRNP polymorphic variants in the susceptibility of goats to oral infection with Goat-BSE. *Journal of Infectious Diseases.* 212 - 4, pp. 664 - 672. 15/08/2015.
DOI: 10.1093/infdis/jiv112
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS
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Type of production: Scientific paper **Format:** Journal
- 47** P. Carulla; F. Llorens; A. Matamoros-Angles; P. Aguilar-Calvo; J.C. Espinosa; R. Gavín; I. Ferrer; G. Legname; J.M. Torres; J.A. Del Río. Involvement of PrP C in kainate-induced excitotoxicity in several mouse strains. *Scientific Reports.* 5 - 11971, 2015.
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Type of production: Scientific paper

Format: Journal

- 159** J.M. Torres; C. Esteban; J. Aguilar; Z. Mishal; J. Uriel. Quantification of α -fetoprotein and transferrin endocytosis by lymphoid cells using flow cytometry. *Journal of Immunological Methods*. 134 - 2, pp. 163 - 170. 1990. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-0025093119&partnerID=MN8TOARS>>.

Type of production: Scientific paper

Format: Journal

- 160** Ch. Lafarge-Frayssinet; J.M. Torres; M. Frain; J. Uriel. Alpha-fetoprotein gene expression in human lymphoblastoid cells and in PHA-stimulated normal T-lymphocytes. *Biochemical and Biophysical Research Communications*. 159 - 1, pp. 112 - 118. 1989. Available on-line at:
<<http://www.scopus.com/inward/record.url?eid=2-s2.0-0024602968&partnerID=MN8TOARS>>.

Type of production: Scientific paper

Format: Journal

- 161** J.M. Torre; J. Laborda; J. Naval; N. Darracq; M. Calvo; Z. Mishal; J. Uriel. Expression of alpha-fetoprotein receptors by human T-lymphocytes during blastic transformation. *Molecular Immunology*. 26 - 9, pp. 851 - 857. 1989. Available on-line at:
<<http://www.scopus.com/inward/record.url?eid=2-s2.0-0024448716&partnerID=MN8TOARS>>.

Type of production: Scientific paper

Format: Journal

- 162** M. Geuskens; J. M. Torres; C. Esteban; J. Uriel. MORPHOLOGICAL CHARACTERIZATION OF THE PATHWAY OF ENDOCYTOSIS AND INTRACELLULAR PROCESSING OF TRANSFERRIN AND ALPHA-FETOPROTEIN IN HUMAN LYMPHOCYTE-T STIMULATED WITH PHYTOHEMAGGLUTININ (PHA). *European Journal of Cell Biology*. 50 - 2, pp. 418 - 427. 1989.

Type of production: Scientific paper

Format: Journal

- 163** A. Alonso-Moraga; A. Bocanegra; J.M. Torres; J. López-Barea; C. Pueyo. Glutathione status and sensitivity to GSH-reacting compounds of Escherichia coli strains deficient in glutathione metabolism and/or catalase activity. *Molecular and Cellular Biochemistry*. 73 - 1, pp. 61 - 68. 1987. Available on-line at:
<<http://www.scopus.com/inward/record.url?eid=2-s2.0-0023232352&partnerID=MN8TOARS>>.

Type of production: Scientific paper

Format: Journal

- 164** N. Fernández-Borges; J. C. Espinosa; A. Marín-Moreno; Sara Canoyra; J. M. Torres. Creutzfeldt-Jakob Disease. Reference Module in in Food Sci.Elsevier, 2023. Available on-line at: <<https://doi.org/10.1016/B978-0-12-822521-9.00036-8>>. ISBN 9780081005965

Type of production: Book chapter

Format: Book

Corresponding author: Yes

- 165** Marín-Moreno A.; Espinosa J.C.; Torres J.M.. Transgenic mouse models for the study of prion diseases. *Progress in Molecular Biology and Translational Science*. 175, pp. 147 - 177. 2020. ISSN 18771173, ISBN 9780128200025
DOI: 10.1016/bs.pmbts.2020.08.007

Type of production: Book chapter

Format: Book

- 166** N. Fernández-Borges; A. Marín-Moreno; O. Andréoletti; J. C. Espinosa; J. M. Torres. Bovine Spongiform Encephalopathy (BSE). Reference Module in Neuroscience and Biobehavioral Psychology. Elsevier, 2017. Available on-line at: <<https://doi.org/10.1016/B978-0-12-809324-5.03598-7>>. ISBN 9780128093245
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 167** A. Marín-Moreno; N. Fernández-Borges; J. C. Espinosa; O. Andréoletti; J. M. Torres. Transmission and Replication of Prions. Prog Mol Biol Transl Sci. 150, pp. 181 - 201. ACADEMIC PRESS (Elsevier), 2017. Available on-line at: <<https://www.ncbi.nlm.nih.gov/pubmed/28838661>>. ISSN 1877-1173, ISBN 9780128112267
Handle: 10.1016/bs.pmbts.2017.06.014
Type of production: Book chapter **Format:** Book
- 168** Alba Marín-Moreno, Sara Canoyra, Natalia Fernández-Borges, Juan Carlos Espinosa, Juan María Torres. Transgenic Mouse Models for the Study of Neurodegenerative Diseases. Front. Biosci. (Landmark Ed). 28 - 1, pp. 21. 2023. Available on-line at: <<https://doi.org/10.31083/j.fbl2801021>>.
Type of production: Bibliographic review **Format:** Journal
Corresponding author: No
- 169** Jesús R. Requena, Krister Kristensson, Carsten Korth, Chiara Zurzolo, Marion Simmons; Patricia Aguilar-Calvo, Adriano Aguzzi, Olivier Andreoletti, Sylvie L. Benestad; Reinhard Böhm, Karen Brown, Byron Calgua, José Antonio del Río, Juan Carlos Espinosa; Rosina Girones.....; Juan María Torres, Zheng-Xin Yan and Inga Zerr. The Priority position paper: protecting Europe's food chain from prions. Prion. 10 - 3, pp. 165 - 181. 2016.
DOI: 10.1080/19336896.2016.1175801
Type of production: Bibliographic review **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 38

Works submitted to national or international conferences

- 1** **Title of the work:** A novel M205I mutation in PRNP gene without deposits of PrPSc, associated with vascular, Alzheimer's and argyrophilic grain disease co-pathologies in a Spanish patient with rapidly progressive dementia
Name of the conference: Prion2018
Type of event: Conference **Geographical area:** Non EU International
City of event: Santiago de Compostela,
Date of event: 22/05/2018
End date: 25/05/2018
With external admission assessment committee: Yes
Guerrero-Márquez C , Padro B, Calero O, Rebolledo A, Espinosa JC, Torres JM, Calero M. "Libro de abstract".
- 2** **Title of the work:** Macaque and human PrPC exhibit different prion strain susceptibility in transgenic mice
Name of the conference: Prion2018
Type of event: Conference **Geographical area:** Non EU International
City of event: Santiago de Compostela,
Date of event: 22/05/2018
End date: 25/05/2018
With external admission assessment committee: Yes
Espinosa JC, Comoy EE, Marin-Moreno A, Aguilar-Calvo P, Prieto I, Lorenzo P, Piquer J, Deslys JP; and Torres JM. "Libro de abstract".



- 3 Title of the work:** MicroRNA alterations in a mouse model of prion disease
Name of the conference: Prion2018
Type of event: Conference **Geographical area:** Non EU International
City of event: Santiago de Compostela,
Date of event: 22/05/2018
End date: 25/05/2018
With external admission assessment committee: Yes
 Janne M. Toivonen, David Sanz-Rubio, Óscar López-Pérez, Rosa Bolea, Juan J. Badiola; Pilar Zaragoza, Juan-Carlos Espinosa, Juan-Maria Torres and Inmaculada Martínez-Burriel. "Libro de abstract".
- 4 Title of the work:** Permeability of the bovine transmission barrier to Atypical/Nor98 scrapie
Name of the conference: Prion2018
Type of event: Conference **Geographical area:** Non EU International
City of event: Santiago de Compostela,
Date of event: 22/05/2018
End date: 25/05/2018
With external admission assessment committee: Yes
 Huor A, Vidal E, Espinosa JC, Lacroux C, Cassard H, Douet JY, Lugan S, Aron N, Tillier C, Bolea R,; Benestad S, Orge L, Torres JM, and Andréoletti O. "Libro de abstract".
- 5 Title of the work:** Pig-PrP as a paradigm of resistance to prion propagation
Name of the conference: Prion2018
Type of event: Conference **Geographical area:** Non EU International
City of event: Santiago de Compostela,
Date of event: 22/05/2018
End date: 25/05/2018
With external admission assessment committee: Yes
 Espinosa JC, Aguilar-Calvo P, Marín-Moreno A, Pitarch JL, Prieto I, Benestad SL, Andréoletti O; Torres JM. "Libro de abstract".
- 6 Title of the work:** Propagation of different human α -synucleinopathies in mouse model
Name of the conference: Prion2018
Type of event: Conference **Geographical area:** Non EU International
City of event: Santiago de Compostela,
Date of event: 22/05/2018
End date: 25/05/2018
With external admission assessment committee: Yes
 Pitarch JL, Fernández-Borges N, Rebolledo AB, Alonso U, Marín-Moreno A, Villa-Díaz A; Guerrero C, Ferrer I, Espinosa JC and Torres JM. "Libro de abstract".
- 7 Title of the work:** Zoonotic potential of atypical BSE prions: a systematic evaluation
Name of the conference: Prion2018
Type of event: Conference **Geographical area:** Non EU International
City of event: Santiago de Compostela,
Date of event: 22/05/2018
End date: 25/05/2018
With external admission assessment committee: Yes
 Marín-Moreno A, Espinosa JC, Douet JY, Aguilar-Calvo P, Piquer J, Lorenzo P, Lacroux C, Hour A,; Lugan S, Tillier C, Andreoletti O and Juan María Torres. "Libro de abstract".

- 8** **Title of the work:** DEEP ASSESSMENT OF THE ZOONOTIC POTENTIAL OF ATYPICAL BSE PRIONS
Name of the conference: 6th Iberian Congress on Prions
City of event: Córdoba,
Date of event: 26/10/2017
Alba Marín-Moreno, Juan Carlos Espinosa, Jean Yves Douet, Patricia Aguilar-Calvo, Juan Píquer, Patri.
"Libro de abstracts".
- 9** **Title of the work:** DNA METHYLATION AND MICRORNA MODIFICATIONS IN SCRAPIE
Name of the conference: 6th Iberian Congress on Prions
City of event: Córdoba,
Date of event: 26/10/2017
Inmaculada Martín-Burriel, Arianne Sanz, Óscar López-Pérez, David Sanz-Rubio, Mónica Salinas-Pena, J.
"Libro de abstracts".
- 10** **Title of the work:** DNA METHYLATION AND MICRORNA MODIFICATIONS IN SCRAPIE
Name of the conference: 6th Iberian Congress on Prions
City of event: Córdoba,
Date of event: 26/10/2017
Inmaculada Martín-Burriel, Arianne Sanz, Óscar López-Pérez, David Sanz-Rubio, Mónica Salinas-Pena, J.
"Libro de abstracts".
- 11** **Title of the work:** PRION THERMOSTABILITY IS A STRAIN-SPECIFIC PHYSICOCHEMICAL FEATURE WHICH ENCOMPASSES A DECREASE OF THE PRION ISOLATE TITER INSTEAD OF A SHIFT OF THE PRION STRAIN
Name of the conference: 6th Iberian Congress on Prions
City of event: Córdoba,
Date of event: 26/10/2017
Alba Marín-Moreno, Patricia Aguilar-Calvo, Mohammed Modjou, Irene Prieto, Ana Villa-Díaz, Juan Carlo.
"Libro de abstracts".
- 12** **Title of the work:** ROLE OF POLYMORPHIC VARIANTS OF THE PRION PROTEIN IN THE DIFFERENTIAL SUSCEPTIBILITY TO PRION STRAIN INFECTION
Name of the conference: 6th Iberian Congress on Prions
City of event: Córdoba,
Date of event: 26/10/2017
Juan Carlos Espinosa, Patricia Aguilar-Calvo, Alba Marín-Moreno, Lorenzo González, Olivier Andréolet.
"Libro de abstracts".
- 13** **Title of the work:** YKL-40 IN THE BRAIN AND CEREBROSPINAL FLUID OF NEURODEGENERATIVE DEMENTIAS
Name of the conference: 6th Iberian Congress on Prions
City of event: Córdoba,
Date of event: 26/10/2017
Katrin Thüne, Franc Llorens, Waqas Tahir, Matthias Schmitz, Susana Correia, Ângela Correia, Olivier. "Libro de abstracts".
- 14** **Title of the work:** Altered Ca²⁺ homeostasis induces calpain-cathepsin axis activation in sCJD.
Name of the conference: 5th Iberian Congress on Prions
City of event: Barcelona,
Date of event: 28/11/2016
Llorens F, Thüne K, Sirkoska B, Schmitz M, Cramm M, Gotzmann N, Tahir W, Carmona M, Andréoletti O, M. "Libro de abstracts".

- 15 Title of the work:** Attempted transmission of atypical scrapie to pigs
Name of the conference: 5th Iberian Congress on Prions
City of event: Barcelona,
Date of event: 28/11/2016
Hedman C, Marín B, Vidal E, Corbière F, Espinosa JC, Romero A, Acín C, Pumarola M, Torres JM, Andreo.
"Libro de abstracts".
- 16 Title of the work:** Effects of prion strain co-infection in vivo
Name of the conference: 5th Iberian Congress on Prions
City of event: Barcelona,
Date of event: 28/11/2016
Marín-Moreno A, Aguilar-Calvo P, Fernández-Borges N, Espinosa JC, Torres JM. "Libro de abstracts".
- 17 Title of the work:** Epistatic behavior of prion assemblies on cross-species transmission with species barriers
Name of the conference: 5th Iberian Congress on Prions
City of event: Barcelona,
Date of event: 28/11/2016
Igel-Egalon A, Laferrière F, Tixador P, Moudjou M, Herzog L, Reine F, Torres JM, Laude H, Rezaei H,.
"Libro de abstracts".
- 18 Title of the work:** Human val129-PrP polymorphic variant is a strong molecular protector against BSE zoonotic transmission but fail to prevent human-to-human vCJD transmission
Name of the conference: 5th Iberian Congress on Prions
City of event: Barcelona,
Date of event: 28/11/2016
Fernández-Borges N, Espinosa JC, Marín-Moreno A, Aguilar-Calvo P, A Asante EA, Andréoletti O and Tor.
"Libro de abstracts".
- 19 Title of the work:** Identification of microRNA signatures in sCJD reveals massive regional and subtype-dependent alteration
Name of the conference: 5th Iberian Congress on Prions
City of event: Barcelona,
Date of event: 28/11/2016
Thüne K1, Llorens F, Martí E, Schmitz M, Gotzman N, Carmona M, Michel U, Andréoletti O, Del Río JA,.
"Libro de abstracts".
- 20 Title of the work:** Implication of oxidative stress and DJ-1 alteration in Sporadic Creutzfeldt Jakob's disease
Name of the conference: 5th Iberian Congress on Prions
City of event: Barcelona,
Date of event: 28/11/2016
Tahir W, Llorens F, Thune K, Gotzmann N, Torres JM, Andréoletti O, Ferrer I and Inga Zerr. "Libro de abstracts".
- 21 Title of the work:** Effect of substitutions equivalent to bank vole 109I polymorphism in the spontaneous misfolding ability of PrPs from several mammalian species.
Name of the conference: Prion2016
City of event: Tokyo,
Date of event: 10/05/2016
Hasier Erana, Natalia Fernández-Borges, Jorge Moreno, Vanessa Venegas. Michele Angelo Di Bari, Enric.
"Libro de abstract".



- 22 Title of the work:** Prion diseases in animals and zoonotic potential
Name of the conference: Prion2016
City of event: Tokyo,
Date of event: 10/05/2016
Juan María Torres, Olivier Anderoletti, Juan-Carlos Espinosa, Vicent Beringue, Patricia Aguilar, Nat. "Libro de abstract".
- 23 Title of the work:** Puzzling out the BSE-human transmission barrier
Name of the conference: Prion2016
City of event: Tokyo,
Date of event: 10/05/2016
Natalia Fernández-Borges, Juan Carlos Espinosa, Patricia Aguilar-Calvo, Alba Marín-Moreno, Olivier A. "Libro de abstract".
- 24 Title of the work:** RNA editing: A novel approach to understand CJD pathogenesis
Name of the conference: Prion2016
City of event: Tokyo,
Date of event: 10/05/2016
Erini Kanata, Athanasios Dimitradis, Konstantinos Kyritsis, Katrin Thüne, Dimitra Dafou, Franc Llore. "Libro de abstract".
- 25 Title of the work:** Influence of the Met129Val human PrP dimorphism in the transmission barrier to BSE/vCJD prions
Name of the conference: 3rd Symposium on Biomedical Research "Advances and Perspectives in Neuroscience"
City of event: Madrid,
Date of event: 22/04/2016
Fernández-Borges N, Espinosa JC, Aguilar-Calvo P, Marín-Moreno A, Andreoletti O and Torres JM. "Libro de abstract".
- 26 Title of the work:** COMPARISON OF THE TRANSMISSION FEATURES OF SEVERAL PRION STRAINS IN A TRANSGENIC MOUSE MODEL AND IN ITS NATURAL COUNTERPART
Name of the conference: 4th iberian congress on prions, 2015
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Lisboa, Portugal
Date of event: 01/12/2015
End date: 02/12/2015
Publication in conference proceedings: Yes
JC Espinosa; R Nonno; Di Bari M; Aguilar-Calvo P; Pirisinu L; Prieto I; Vaccari G; Lorenzo P; Frassanito P; U.Agrimi; J.M. Torres.
- 27 Title of the work:** COMPARISON OF THE TRANSMISSION FEATURES OF SEVERAL PRION STRAINS IN A TRANSGENIC MOUSE MODEL AND IN ITS NATURAL COUNTERPART
Name of the conference: 4th iberian congress on prions, 2015
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Lisboa, Portugal
Date of event: 01/12/2015
End date: 02/12/2015
Publication in conference proceedings: Yes

Marín-Moreno A; JC Espinosa; Aguilar-Calvo P; Fernández-Borges N; Esteban A; Girones R; O. Andreoletti; J.M. Torres.

- 28 Title of the work:** SINGLE AMINO ACID POLYMORPHISM IN THE BANK VOLE PRION PROTEIN DETERMINES STRAIN FIDELITY UPON EXPERIMENTAL TRANSMISSION OF L-TYPE BOVINE SPONGIFORM ENCEPHALOPATHY,

Name of the conference: 4th iberian congress on prions, 2015

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Lisboa, Portugal

Date of event: 01/12/2015

End date: 02/12/2015

Publication in conference proceedings: Yes

R Nonno; JC Espinosa; Vaccari G; Pirisinu L; D'Agostino C; Casalone C; Aguilar-Calvo P; Piquer J; J.M. Torres; U.Agrimi.

- 29 Title of the work:** Infectious recombinant prions: in vitro generation and propagation of different strains

Name of the conference: Prion2015

Type of participation: Participatory - oral communication

City of event: Fort Collins (Colorado, USA), United States of America

Date of event: 26/05/2015

End date: 29/05/2015

N Fernandez-Borges; MA Di Bari; MA Sanchez-Martin; H Eraña; E Vidal; SR Elezgarai; E Vazquez-Fernandez; C Harrathi; B Parra; JC Espinosa; W Surewicz; J.M. Torres; T Mayoral; U.Agrimi; J Requena; R Nonno; J Castilla.

- 30 Title of the work:** Substitution of histidine by tyrosine at non-OR copper-binding site promotes prion conversion

Name of the conference: Prion2015

Type of participation: Participatory - poster

City of event: Fort Collins (Colorado, USA), United States of America

Date of event: 26/05/2015

End date: 29/05/2015

Thanh Hoa Tran; Phuong Thao Mai; Juan María Torres; Giuseppe Legn.

- 31 Title of the work:** Porcine species resistance to a broad diversity of prions.

Name of the conference: 3rd iberian congress on prions, 2014

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Zaragoza,

Date of event: 02/12/2014

JC Espinosa; P Aguilar; A Villa; P Lorenzo; I Prieto; A Esteban; J Piquer and J.M. Torres. "Libro de abstract".

- 32 Title of the work:** Evidence for zoonotic potential of ovine scrapie prions.

Name of the conference: 3rd iberian congress on prions, 2014

Type of participation: Participatory - invited/keynote talk

City of event: Zaragoza,

Date of event: 02/12/2014

H. Cassard; J.M. Torres; C. Lacroux; J.Y. Douet; S.L. Benestad; F. Lantier; S. Lugan; I. Lantier; P. Costes; N. Aron; J.C. Espinosa; V. Béringue and O. Andréoletti. "Libro de abstract".

- 33** **Title of the work:** Infectious recombinant prions: in vitro generation and propagation of different strains.
Name of the conference: 3rd iberian congress on prions, 2014
Type of participation: Participatory - oral communication
City of event: Zaragoza,
Date of event: 02/12/2014
N Fernandez-Borges; MA Di Bari; MA Sanchez-Martin; H Eraña; E Vidal; SR Elezgarai; E Vazquez-Fernandez; C Harrathi; B Parra; JC Espinosa; W Surewicz; J.M. Torres; T Mayoral; UAgrimi; J Requena; R Nonno; J Castilla."Libro de abstract".
- 34** **Title of the work:** PrP polimorphismes and their effect on the TSE susceptibility in goats
Name of the conference: 3rd iberian congress on prions, 2014
Type of participation: Participatory - oral communication
City of event: Zaragoza,
Date of event: 02/12/2014
M. Groschup; EO Soto; M Eiden; J Langeveld; M Keller; A Bosser; F Lantier; F Barillet; W Goldman; O Andreoletti; J.M. Torres; C Fast."Libro de abstract".
- 35** **Title of the work:** Role of polymorphic variants of the prion protein on the resistance/susceptibility to prion infection.
Name of the conference: 3rd iberian congress on prions, 2014
Type of participation: Participatory - oral communication
City of event: Zaragoza,
Date of event: 02/12/2014
P Aguilar; JC Espinosa; C Lacroux; C Fast J Piquer; A Esteban; I Prieto; P Lorenzo; A Villa; K Taucher; M. Groschup; O Andreoletti; J.M. Torres."Libro de abstract 36".
- 36** **Title of the work:** Elements modulating the prion species barrier and its passage consequences genotypes
Name of the conference: Prion2014
City of event: Trieste,
Date of event: 27/05/2014
J.C. Espinosa; P. Aguilar-Calvo; A. Villa-Diaz; O. Andréoletti; and J.M. Torres."PRION. 8S: 2014.".
- 37** **Title of the work:** Influence of Prnp variants on the susceptibility of goats to scrapie and BSE
Name of the conference: Prion2014
City of event: Trieste,
Date of event: 27/05/2014
P. Aguilar-Calvo; O. Andréoletti; C. Fast; J.C. Espinosa; C. Lacroux; M. Groschup and J.M. Torres."PRION. 8S: 2014.".
- 38** **Title of the work:** Investigation of genetic susceptibility of goats to scrapie using PMCA
Name of the conference: Prion2014
City of event: Trieste,
Date of event: 27/05/2014
B. Chiappini; C. D'Agostino; J.C. Espinosa; J.M. Torres; L.V. Ekateriniadou; U. Agrimi; R. Nonno and Gabriele Vaccari."PRION. 8S: 2014.".
- 39** **Title of the work:** Scrapie prions: an etiologic agent of sCJD in human?
Name of the conference: Prion2014
City of event: Trieste,
Date of event: 27/05/2014
C. Lacroux; J.M. Torres; H. Cassard; J.Y. Douet; S.L. Benestad; F. Lantier; S. Lugan; I. Lantier; P. Costes; N. Aron; J.C. Espinosa; V. Béringue and O. Andréoletti."PRION. 8S: 2014.".

- 40 Title of the work:** Biochemical characterization of European goat TSE isolates and discrimination from goat BSE.
Name of the conference: Prion2013
City of event: Banff,
Date of event: 28/05/2013
Pirisinu, Laura; Esposito, Elena; Vaccari, Gabriele; Torres Juan-Maria. "PRION. 7S: 27-28 (May 2013).".
- 41 Title of the work:** Biological characterization of European goat TSE isolates by bioassay in bank voles. 35
Name of the conference: Prion2013
City of event: Banff,
Date of event: 28/05/2013
Nonno, Romolo; Di Bari, Michele A.; D'Agostino, Claudia; Torres Juan-M. "PRION. 7S: 33-34 (May 2013).".
- 42 Title of the work:** Homogenous PrPres pattern in experimentally BSE-infected goat brains of different genotypes allows differentiation from natural goat scrapie types.
Name of the conference: Prion2013
City of event: Banff,
Date of event: 28/05/2013
Jacobs, JG; Lantier, F; Andreoletti, O; Barillet, F; Acin, C; Goldmann, W; Sklaviadis, T; Fast, C; Acutis, PL; Simon, S; Torres, JM; Keulen, LV; Bossers, A; Gonzalez, L; Nonno, R; Langeveld, J. "PRION. 7S: 22-22 (May 2013).".
- 43 Title of the work:** Tissue distribution of pathological prion protein and infectivity in orally infected goat of different genotypes
Name of the conference: Prion2013
City of event: Banff,
Date of event: 28/05/2013
Cristine Fast, Berthon P, Tauscher K, Lantier, I; Freise S; Torres, JM. "PRION. 7S: 30-30 (May 2013).".
- 44 Title of the work:** Goat PRNP mutation K222 provides resistance to TSEs in transgenic mice.
Name of the conference: Primer Congreso Ibérico de Priones (2012).
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Santiago de Compostela,
Date of event: 03/12/2012
Patricia Aguilar-Calvo; Juan Carlos Espinosa; Belén Pintado; Alfonso Gutiérrez-Adán; Elia Alamillo; Alberto Miranda; Irene Prieto; JM Torres. "Libro de abstract".
- 45 Title of the work:** Human susceptibility to BSE from different species as assayed in transgenic mice.
Name of the conference: Primer Congreso Ibérico de Priones (2012).
City of event: Santiago de Compostela,
Date of event: 03/12/2012
Espinosa, JC; Aguilar-Calvo, P; Padilla, D; Morales, M; Pintado, B; Gutiérrez-Adán, A; Esteban, A; Andreoletti, O and Torres, JM. "Libro de abstract".
- 46 Title of the work:** Spontaneous generation of infectious prion disease in transgenic mice expressing mutant bovine PrP. The origin of BSE?.
Name of the conference: Primer Congreso Ibérico de Priones (2012).
City of event: Santiago de Compostela,
Date of event: 03/12/2012
JM Torres. "Libro de abstract".



- 47** **Title of the work:** In vivo and in vitro studies of prion transmission barrier.
Name of the conference: Prion2012
City of event: Ámsterdam, Holanda,
Date of event: 04/05/2012
Vidal E; Fernández-Borges N; Márquez M; Torres JM, Pumarola M; Telling G; Pintado B and Castilla J.
"Prion; 6, Supplement April, May, June 2012".
- 48** **Title of the work:** PMCA as a tool to investigate the genetic susceptibility of goat to scrapie.
Name of the conference: Prion2012
City of event: Ámsterdam, Holanda,
Date of event: 04/05/2012
Chiappini B; Bucalossi C; D'Agostino C; Espinosa JC, Cosseddu G; Agrimi U, Torres JM, Nonno R and Vaccari G. "Prion; 6, Supplement April, May, June 2012".
- 49** **Title of the work:** Time-dependent shift of the molecular signature in the CNS of BSE-infected macaques.
Name of the conference: Prion2012
City of event: Ámsterdam, Holanda,
Date of event: 04/05/2012
Yutzi B; Schaefer WS; Kruij C; Hahmann U; Torres JM, Kim YS; Hunsmann G; Loewer J and Holznagel.
"Prion; 6, Supplement April, May, June 2012".
- 50** **Title of the work:** Concentration and detection of prions in water
Name of the conference: Congreso Nacional de Priones (Madrid 2011)
City of event: Madrid,
Date of event: 01/12/2011
Byron Calgua; Sandra Fresno; Olivier Andreoletti; Juan María Torres and Rosina Girones."Libro de abstract".
- 51** **Title of the work:** Evolution of Prion strains through species barrier
Name of the conference: Congreso Nacional de Priones (Madrid 2011)
City of event: Madrid,
Date of event: 01/12/2011
Juan Carlos Espinosa; Olivier andreoletti and Juan María Torres. "Libro de abstract".
- 52** **Title of the work:** In vivo and invitro studies of prion transmission barrier
Name of the conference: Congreso Nacional de Priones (Madrid 2011)
City of event: Madrid,
Date of event: 01/12/2011
Vidal E.; Fernandez-Borges N; Torres JM; Pumarola M; Telling G; . Pintado B; Castilla J."Libro de abstract".
- 53** **Title of the work:** Inmunohistochemical assessment of neutrophins and their receptors in the brains of BSE inoculated BoTg110 mice.
Name of the conference: Congreso Nacional de Priones (Madrid 2011)
Type of participation: Participatory - oral communication
City of event: Madrid,
Date of event: 01/12/2011
Marco-Salazar P; Marquez M; Perez L; Blasco E; Torres JM; Pumarola M; Vidal E."Libro de abstract".



- 54** **Title of the work:** BIOASSAY OF CATALAN ATYPICAL SCRAPIE ISOLATES IN OVINE AND BOVINE PRNP MURINE TRANSGENIC MODELS
Name of the conference: Spanish veterinary pathology meeting (SEAPV, June 2011)
City of event: Lisboa,
Date of event: 01/06/2011
Vidal Enric; Márquez Mercedes; Marco Paola; Bolea Rosa; Torres Juan María; Andreoletti Olivier; Badiola Juan José and Pumarola Martí. "Libro de abstract".
- 55** **Title of the work:** Comparative Study of BSE Behavior in the boTg110 Mice Model After in vivo and in vitro Passage Through C57 and VM Inbred Mice
Name of the conference: Prion 2011
City of event: Montreal, Canada
Date of event: 16/05/2011
Enric Vidal; Natalia Fernández-Borges; Dolors Fondevila; Juan M. Torres; Martí Pumarola; Joaquín Castilla. "Prion:". 5, Supplement April,,
- 56** **Title of the work:** State of the art and perspectives for genetic eradication of TSEs in sheep and goats
Name of the conference: Prion 2011
City of event: Montreal, Canada
Date of event: 16/05/2011
Jan Langeveld; Olivier andreoletti; Juan María Torres. "Prion:". 5, Supplement April,,
- 57** **Title of the work:** Transmissibility of BSE-L and Cattle-Adapted TME Prion Strain to Cynomolgus Macaque
Name of the conference: Prion 2011
City of event: Montreal, Canada
Date of event: 16/05/2011
Emmanuel Comoy; Valérie Durand; Evelyne Correia; Sophie Freire; Jürgen Richt; Justin Greenlee; Juan-María Torres; Paul Brown; Bob Hills; Jean-Philippe Deslys. "Prion:". 5, Supplement April,,
- 58** **Title of the work:** Variably protease-sensitive prionopathy: Transmissibility and PMCA studies
Name of the conference: Prion2011
City of event: Montreal, Canada
Date of event: 16/05/2011
Jan Langeveld; Olivier andreoletti; Juan María Torres. "Prion:". 5, Supplement April,,
- 59** **Title of the work:** Zoonotic Potential of CWD: Experimental Transmissions to Non-Human Primates
Name of the conference: Prion2011
City of event: Montreal, Canada
Date of event: 16/05/2011
Emmanuel Comoy; Valérie Durand; Evelyne Correia; Aru Balachandran; Jürgen Richt; Vincent Beringue; Juan-María Torres; Paul Brown; Bob Hills; Jean-Philippe Deslys. "Prion:". 5, Supplement April,,
- 60** **Title of the work:** ATYPICAL H#TYPE BSE INFECTION IN BOVINE#PRP TRANSGENIC MICE LET TO THE EMERGENCE OF CLASSICAL BSE STRAIN FEATURES
Name of the conference: Congreso Nacional de Priones 2010
City of event: Bilbao,
Date of event: 25/11/2010
Juan Carlos Espinosa¹; Olivier Andréoletti²; Caroline Lacroux²; Irene Prieto¹; Patricia Lorenzo¹; Magdalena Larska¹; Thierry Baron³ and Juan María Torres. "Libro de abstract".

- 61** **Title of the work:** Detection and survival of prion agents in aquatic environments
Name of the conference: Congreso Nacional de Priones 2010
City of event: Bilbao,
Date of event: 25/11/2010
Carlos Maluquer de Motesa; Byron Calguaa; María J. Cano; Juan Carlos Espinoza; Juan M. Torres; Rosina Gironesa. "Libro de abstract".
- 62** **Title of the work:** ESTUDIO INMUNOHISTOQUÍMICO DE LA EXPRESIÓN DE LA NEUROTROFINA BDNF Y SUS RECEPTORES P75 Y TRKB EN EL ENCÉFALO DE RATONES TRANSGÉNICOS (BOTG110) INFECTADOS CON EEB
Name of the conference: Congreso Nacional de Priones
City of event: Bilbao,
Date of event: 25/11/2010
Czerniak N; Blasco E; Pérez L; Foradada L; Márquez M; Torres JM; PumarolaM; Vidal E. "Libro de abstract".
- 63** **Title of the work:** PrP transgenic mouse models to study prion transmission barrier and prion strains properties
Name of the conference: Congreso Nacional de Priones 2010
City of event: Bilbao,
Date of event: 25/11/2010
Juan María Torres. "Libro de abstract".
- 64** **Title of the work:** SHEEP AND GOAT BSE PROPAGATE MORE EFFICIENTLY THAN CATTLE BSE IN HUMAN PRP TRANSGENIC MICE
Name of the conference: Congreso Nacional de Priones 2010
City of event: Bilbao,
Date of event: 25/11/2010
Danielle Padilla; Juan Carlos Espinosa; Olivier Andreoletti; Ana Arroba; Patricia Aguilar and Juan María Torres. "Libro de abstract".
- 65** **Title of the work:** Atypical H-type BSE infection in Bovine-PrP Transgenic Mice let to the Emergence of Classical BSE Strain Features
Name of the conference: Prion2010
City of event: Salzburgo, Austria
Date of event: 10/09/2010
Juan Carlos Espinosa; Olivier Andréoletti; Caroline Lacroux; Irene Prieto; Patricia Lorenzo; Magdalena Larska; Thierry Baron and Juan María Torres. "Libro de abstract".
- 66** **Title of the work:** Biological diversity of TSE agents: the strain typing puzzle
Name of the conference: Prion 2010
Type of participation: Participatory - invited/keynote talk
City of event: Salzburgo (Austria),
Date of event: 10/09/2010
Andreoletti, J.; Espinosa, H.; Cassard, C.; Lacroux, J.; Torres. "Libro de Abstract".
- 67** **Title of the work:** Neuropathological and molecular characterization of rabbit in vitro adapted BSE upon inoculation in bovine PrP transgenic mouse model 32
Name of the conference: Prion2010
City of event: Salzburgo, Austria
Date of event: 10/09/2010



Vidal E.; Fernández-Borges N.; Marquez M.; Fondevila D.; 6Torres J.M. 7Pintado B.; Pumarola M.; Castilla J."Libro de abstract".

- 68 Title of the work:** Differences in the expression levels of selected genes in the brain tissue of cattle naturally infected with classical and atypical BSE.
Name of the conference: Prion 2009
Type of participation: 'Participatory - poster
City of event: Porto Carras (Grecia),
Date of event: 23/09/2009
 Magdalena Larska, Mirosław; Polak, Jan F.; Zmudzinski, Juan M.; Torres. "Libro de Abstract".
- 69 Title of the work:** Increased cellular proliferation and lisosomal activity in the brains of a transgenic murine model of BSE
Name of the conference: Prion2009
Type of participation: Participatory - oral communication
City of event: Porto Carras (Grecia),
Date of event: 23/09/2009
 Vidal. E.; Márquez M.; Rabanal R.; Torres JM, Fondevila; Pumarola M."Libro de Abstract".
- 70 Title of the work:** PRION INFECTION INTERFERES WITH CELLULAR PRION PROTEIN SIGNALING FUNCTION
Name of the conference: Prion 2009
Type of participation: 'Participatory - poster
City of event: Porto Carras (Grecia),
Date of event: 23/09/2009
 Pradines; Ana Villa Diaz; Loubet; Schneider; Launay; Kellermann; Juan-Maria Torres; Mouillet-Richard. "Libro de abstract".
- 71 Title of the work:** Transgenic mice brains can efficiently be used to measured species-barrier in vitro by PMCA
Name of the conference: Prion2009
Type of participation: 'Participatory - poster
City of event: Porto Carras,
Date of event: 23/09/2009
 Danielle Padilla; Jan Priem; Alberto Miranda; Juan María Torres; and Alex Bossers. "Libro de abstract".
- 72 Title of the work:** Assessment of prion venereal transmission from BSE-infected males.
Name of the conference: Prion 2008 Congress,
Type of participation: 'Participatory - poster
City of event: Madrid,
Date of event: 08/10/2008
 Alberto Miranda, Juan; Carlos Espinosa, Jenifer; Pozas, Danielle Padilla; and J.; Torres. "Abstract book".
- 73 Title of the work:** BSE/Scrapie intracerebrally co-infected sheep: Scrapie hides BSE in the brain, not in lymphoid tissues.
Name of the conference: Prion 2008 Congress,
Type of participation: Participatory - oral communication
City of event: Madrid,
Date of event: 08/10/2008
 Lantier F, Berthon P; Barc I; Leroux H; Rossignol C; Bernardet P; Lacroux C; Simmons H; Grassi J; Torres JM; Simon; Andreoletti."Abstract book".

- 74** **Title of the work:** Dose independent modulations of glutamate receptors expression and neuronal excitability by PrPc in vivo.
Name of the conference: Prion 2008 Congress,
Type of participation: Participatory - oral communication
City of event: Madrid,
Date of event: 08/10/2008
Rangel A; Madroñal N; Gavín R; Torres JM; Soriano E; Gruart A; Delgado JM; Del Rio JA."Abstract Book".
- 75** **Title of the work:** Oral transmission of BSE in resistant ARR/ARR sheep: involvement of lymphoid tissues
Name of the conference: Prion 2008 Congress,
Type of participation: Participatory - oral communication
City of event: Madrid,
Date of event: 08/10/2008
Lantier F; Berthon P, Lantier I; Barc C; Rossignol C; Leroux H; Grassi J; Simmons H; Torres JM, Andreoletti O. "Abstract book".
- 76** **Title of the work:** TRANSMISSION CHARACTERISTICS OF sCJD, vCJD, BSE AND SCRAPIE IN TRANSGENIC MICE EXPRESSING HUMAN PRP
Name of the conference: Prion 2008 Congress,
Type of participation: Participatory - poster
City of event: Madrid,
Date of event: 08/10/2008
Padilla, J.; Espinosa, O.; Andreoletti, L.; Mellado, C.; Lacroux, R.; Manzano, M.; Pastrana y; Torres."Abstract book".
- 77** **Title of the work:** When Atypical Scrapie cross species barriers
Name of the conference: Prion 2008 Congress,
Type of participation: Participatory - invited/keynote talk
City of event: Madrid,
Date of event: 08/10/2008
Andreoletti O.; Herva MH; Cassard H; Espinosa JC; Lacroux C; Simon S; Padilla D; Benestad SL; Lantier F; Schelcher F; Grassi Jand Torres JM."Abstract book".
- 78** **Title of the work:** Elements modulating transmission barrier and virulence in BSE-derived prions
Name of the conference: Prion2007
Type of participation: Participatory - invited/keynote talk
City of event: Edinburgo,
Date of event: 26/09/2007
Espinosa, O.; Andréoletti, M.; Herva, E.; Alamillo, D.; Padilla, C.; Lacroux, M.; Groschup and J.; Torres. "Libro de resúmenes".
- 79** **Title of the work:** Immunotherapeutic Effect of anti-PrP Monoclonal Antibodies on TSE Mouse Models: Pharmacodynamic and Pharmacokinetic Analysis
Name of the conference: Prion2007
Type of participation: Participatory - invited/keynote talk
City of event: Edimburgo,
Date of event: 26/09/2007
Feraudet. C.; Andreoletti, O.; Morel N.; Chouaf-Lakhdar L.; Mathey J.; Simon, S.; Lacroux, C.; Vollad, H.; Lamourette, P.; Betemps, D.; Frobert, Y.; Torres JM.; Creminon, C.; Baron, T.; Grassi, J."Libro de Resúmenes".

- 80** **Title of the work:** Microarray Gene Expression of a Murine Transgenic Model of the Bovine Spongiform Encephalopathy
Name of the conference: Prion2007
Type of participation: 'Participatory - poster
City of event: Edimburgo,
Date of event: 26/09/2007
Tortosa, R.; Costa, C.; Vidal E.; Castells, X.; Barceló, A.; Torres, JM.; Pumarola, M.; Ariño, J."Libro de resúmenes".
- 81** **Title of the work:** Selective Susceptibility of Porcine species to Prion Strains as Assayed in Transgenic Mice Expressing Porcine PrP
Name of the conference: Prion2007
Type of participation: 'Participatory - poster
City of event: Edimburgo,
Date of event: 26/09/2007
Herva, ME.; Espinosa, JC.; Andréoletti, O.; Padilla, D.; Alamillo, E.; Lacroux, C.; Torres, JM."Libro de Resúmenes".
- 82** **Title of the work:** Stress Response in the CNS of a Transgenic Mouse Model of BSE
Name of the conference: Prion2007
Type of participation: 'Participatory - poster
City of event: Edimburgo,
Date of event: 26/09/2007
Vidal, E.; Tortosa, R.; Costa, C.; Alamillo, E.; Torres, JM.; Ferrer, I.; Pumarola, M."Libro de Resúmenes".
- 83** **Title of the work:** Survival of Prion Proteins in Environmental Matrices
Name of the conference: Prion2007
Type of participation: 'Participatory - poster
City of event: Edimburgo,
Date of event: 26/09/2007
Maluquer de Motes, C.; Tores, JM.; Pumarola, M.; Girones, R."Libro de resúmenes".
- 84** **Title of the work:** Transgenic Mice EXpressing 5 Octarepeats Bovine PrP Show a Reduced Susceptibility to BSE but the Generated 5PRBSE Prions Retains its Transmissibility
Name of the conference: Prion2007
Type of participation: 'Participatory - poster
City of event: Edimburgo,
Date of event: 26/09/2007
Espinosa, JC.; Alamillo, E.; Herva, ME.; Brun, A.; Torres, JM."Libro de Resúmenes".
- 85** **Title of the work:** Transgenic Mice as model to study prion transmission barrier and prion virulence
Name of the conference: Life science Zurich Meeting on Prion diseases
Type of participation: Participatory - invited/keynote talk
City of event: Zurich,
Date of event: 22/09/2007
End date: 23/09/2007
Juan María Torres.
- 86** **Title of the work:** BSE AGENT SHOWS AN ENHANCED VIRULENCE AFTER PASSAGE IN SHEEP
Name of the conference: PRION2006
Type of participation: Participatory - invited/keynote talk



City of event: Turin (Italia,

Date of event: 10/2006

Torres, J.; Espinosa, O.; Andréoletti, M.; Herva, E.; Alamillo, C.; Lacroux.

87 Title of the work: CHARACTERIZATION OF THE PrP POLYMORPHISM IN POSITION 171 BY AN ELISA TEST,

Name of the conference: Prion 2006

Type of participation: Participatory - oral communication

City of event: Turin (Italia,

Date of event: 10/2006

Bilheude, A.; Brun, N.; Morel, S.; Henaux, O.; Andreoletti, J.; Grassi and J.; Torres.

88 Title of the work: DISCRIMINATION BETWEEN SCRAPIE AND BSE IN SHEEP USING PORCINE PrP-TRANSGENIC MICE

Name of the conference: Prion 2006

Type of participation: Participatory - oral communication

City of event: Turin (Italia),

Date of event: 10/2006

Herva, J.; Espinosa, E.; Alamillo, O.; Andréoletti and J.; Torres.

89 Title of the work: SHEEP-PASSAGED BSE ANALYSED IN BoPrP-Tg110 MICE EXHIBITS BSE STRAIN FEATURES AND ACCELERATED DISEASE COURSE ALLOWING THEIR DISCRIMINATION FROM SCRAPIE

Name of the conference: Prion 2006

Type of participation: Participatory - oral communication

City of event: Turin (Italia),

Date of event: 10/2006

Espinosa, O.; Andréoletti, J.; Castilla, M.; Herva, M.; Morales, E.; Alamillo, C.; Lacroux, S.; Lugan, J.; Langeveld and J.; Torres.

90 Title of the work: Assesement of the central nervous system extracellular matrix in a transgenic mouse model of BSE

Name of the conference: Prion 2005

Type of participation: 'Participatory - poster

City of event: Düsseldorf,

Date of event: 10/2005

Costa, A.; Bassols, R.; Tortosa, Enric Vidal; Diaz, J.; Torres, A.; Brun, and M.; Pumarola.

91 Title of the work: CoQ and Protein/Lipid oxidation in BSE inoculated BoPrP-Tg mice

Name of the conference: Prion 2005

Type of participation: 'Participatory - poster

City of event: Düsseldorf,

Date of event: 10/2005

Martin, J.; Castilla, A.; Brun, F.; Salguero, J.; Villalva and J.; Torres.

92 Title of the work: Transmission barrier in Bovine PrP-Tg mice is strain dependent but independent of the PrP amino acid sequence of the inoculated PrPSc.

Name of the conference: Prion 2005

Type of participation: 'Participatory - poster

City of event: Düsseldorf,

Date of event: 10/2005



Espinosa, J.; Castilla, O.; Andreoletti, B.; Parra, M.; Cano, F.; Diaz, F.; Salguero, M.; Morales and J.; Torres.

- 93** **Title of the work:** Kinetic analyses of immune cell populations during porcine-adapted BSE prion infection in transgenic mice expressing porcine PrP.
Name of the conference: 23rd Meeting of the European Society of Veterinary Pathology.
Type of participation: Participatory - oral communication
City of event: Naples, ITALY,
Date of event: 2005
Díaz-San Segundo F.; Salguero F.; Torres J.; Sevilla N.; Brun A.
- 94** **Title of the work:** Extended incubation times in transgenic mice expressing a 5 octapeptide repeat bovine prion protein after intracerebral administration of BSE prions
Name of the conference: Second Eurovirology meeting
Type of participation: Participatory - poster
City of event: Madrid,
Date of event: 09/2004
Brun, A.; Castilla, J.; Gutiérrez-Adán, A.; Pintado, B.; Díaz F.; Rodríguez, J.; Torres, J.
- 95** **Title of the work:** RK13 cells expressing a 10 octarepeat PrP as model to study spontaneous spongiform encephalopathy
Name of the conference: Second Eurovirology meeting
Type of participation: Participatory - poster
City of event: Madrid,
Date of event: 09/2004
Martín, SF. Castilla,; Parra, B.; Brun, A.; Torres, JM.
- 96** **Title of the work:** Synthesis in vitro of rabbit haemorrhagic disease virus subgenomic rna by internal initiation on (-)- sense genomic rna. Mapping of a subgenomic promoter
Name of the conference: IInd European Virology
Type of participation: Participatory - poster
City of event: Madrid,
Date of event: 09/2004
Morales, J.; Bárcena, M.; Ramírez, J.; Boga, F.; Parra, J.; Torres. "Libro de abstracts del congreso".
- 97** **Title of the work:** Characterization of the Porcine Prion Protein
Name of the conference: First International Conference of the European Network of Excellence Neuroprion
Type of participation: Participatory - poster
City of event: Paris,
Date of event: 05/2004
J. Castilla; M. Morales; B. Parra; J. Rodríguez; A. Relaño; J.M. Torres.
- 98** **Title of the work:** Discrimination of sheep Q171 carriers (scrapie susceptible) with 2A11 antibody
Name of the conference: First International Conference of the European Network of Excellence Neuroprion
Type of participation: Participatory - poster
City of event: Paris,
Date of event: 05/2004
A. Brun; A. Relaño-Gines; SF. Martín; J.C. Espinosa; J.M. Torres.
- 99** **Title of the work:** Vertical transmission of BSE in BO-PrP transgenic mice after intra-cerebral inoculation
Name of the conference: First International Conference of the European Network of Excellence Neuroprion
Type of participation: Participatory - poster



City of event: Paris,

Date of event: 05/2004

J. Castilla; A. Brun; F. Diaz; J. Salguero; M. J. Cano; A. Gutierrez; B. Pintado; J.M. Torres.

100 Title of the work: Preliminary studies on Prion immunogenicity and development of new immunotherapeutic strategies based on DNA immunization

Name of the conference: ASM Biodefense research meeting

Type of participation: 'Participatory - poster

City of event: Baltimore (EE.UU),

Date of event: 01/01/2004

Fernández Borges, A.; Brun, J.; Castilla, J.; Torres y; Rodríguez.

101 Title of the work: Production of RHDV capsid protein through a Turnip Mosaic Virus-derived vector: Towards oral protection of rabbits with forage cruciferous plants

Name of the conference: Plant-derived vaccines and antibodies: potential and limitations

Type of participation: 'Participatory - poster

City of event: Annecy (Francia),

Date of event: 01/01/2004

Touriño, A.; Bárcena, J.; Sánchez, F.; Parra, F.; Sánchez-Vizcaíno, J.; Torres, J.; and Ponz, F."Libro de abstracts del congreso".

102 Title of the work: Neuropathological findings in transgenic mice expressing a bovine prion protein with four extra octapeptide repeats.

Name of the conference: 22nd Meeting of the European Society of veterinary pathology.

Type of participation: Participatory - oral communication

City of event: Olsztyn (Polonia),

Date of event: 2004

Díaz-San Segundo, F.; Salguero, J.; Castilla, A.; Gutierrez-Adán, B.; Pintado, B.; Parra, M.; Ramírez, M.; Cano, A.; Rábano, A.; Brun, J.; Torres."Abstract book".

103 Title of the work: Neuropathological findings of BSE-injected transgenic mice with one extra repeat octapeptide insert mutation.

Name of the conference: 12th Annual Meeting of the Portuguese Society of Animal Pathology jointly with 16th Annual Meeting of the Spanish Society of Veterinary Pathology.

Type of participation: 'Participatory - poster

City of event: Vila Nova De Famalicão (Portugal),

Date of event: 2004

Díaz-San Segundo, F.; Salguero, F.; Castilla, J.; Gutierrez-Adán, A.; Pintado, B.; Parra, B.; Ramírez, M.; Cano, M.; Brun, A.; Torres.J."Abstract book".

104 Title of the work: Pathological characterization of a porcine-adapted BSE prion.

Name of the conference: 12th Annual Meeting of the Portuguese Society of Animal Pathology jointly with 16th Annual Meeting of the Spanish Society of Veterinary Pathology.

Type of participation: 'Participatory - poster

City of event: Vila Nova De Famalicão (Portugal),

Date of event: 2004

Díaz-San Segundo, F.; Salguero, F.; Castila, J.; Gutierrez-Adán, A.; Pintado, B.; Parra, B.; Ramírez, M.; Cano, M.; Brun, A.; Torres, J."Abstract book".

105 Title of the work: Experimental transmission studies of scrapie and BSE to the bank vole (Clethrionomys glareolus). Prion diseases: from basic research to invention concepts

Name of the conference: Prion diseases: from basic research to invention concepts



Type of participation: Participatory - oral communication

City of event: Gasteig, München,

Date of event: 01/01/2003

Agrimi, R; Nonno, MA Di; Bari, G; Vaccari, G; Dell; Omo, O; Windl, M; Bruce, H; Laude, HA Kretzschmar; and JM Torres.

106 Title of the work: Prion transmission to transgenic mice expressing porcine PrPC?.

Name of the conference: Prion diseases: from basic research to invention concepts

Type of participation: 'Participatory - poster

City of event: Gasteig, München,

Date of event: 01/01/2003

Castilla, A; Gutierrez Adán, B.; Pintado, A; Brun, D; Doyle, FJ. Salguero.; Díaz San Segundo, B; Parra, J.; Espinosa, M; Rogers, JM Sánchez-; Vizcaíno, and JM; Torres.

107 Title of the work: Amplification of the full-length feline calicivirus genome by longRT-PCR and transcription of infectious RNA directly from the amplicon

Name of the conference: 6th International congress of Veterinary Virology European Virology

Type of participation: Participatory - invited/keynote talk

City of event: Saint Malo (France),

Date of event: 2003

Bárcena, M.; Morales, R.; Estévez, M.; Ramírez and J.; Torres.

108 Title of the work: Análisis estructural de la cápsida del virus de la enfermedad hemorrágica del conejo

Name of the conference: VIII Congreso Nacional de Virología

Type of participation: Participatory - oral communication

City of event: 2003,

Date of event: 2003

Bárcena, N.; Verdaguer, R.; Roca, I.; Angulo, M.; Morales, C.; Risco, J.; Torres y; Castón."Barcelona".

109 Title of the work: Detección de un promotor subgenómico en calicivirus

Name of the conference: VIII Congreso Nacional de Virología

Type of participation: 'Participatory - poster

City of event: Barcelona,

Date of event: 2003

Bárcena, N.; Verdaguer, R.; Roca, I.; Angulo, M.; Morales, C.; Risco, J.; Torres y; Castón.

110 Title of the work: Detection of a calicivirus subgenomic promoter.

Name of the conference: 6th International congress of Veterinary Virology European Virology

Type of participation: Participatory - invited/keynote talk

City of event: Saint Malo (France).,

Date of event: 2003

Morales, J.; Bárcena, M.; Ramírez, J.; Boga, F.; Parra and J.; Torres.

111 Title of the work: Ratones transgénicos como modelo para el estudio de las enfermedades producidas por priones

Name of the conference: XXVII Congreso de la SEBBM

Type of participation: Participatory - invited/keynote talk

City of event: Lleida,

Date of event: 2003

Torres JM.

- 112 Title of the work:** Ratones transgénicos que expresan un octapéptido repetido adicional en la proteína del prión (PrP) muestran un comportamiento diferencial respecto a aquellos que expresan la PrP wild type?
Name of the conference: XXVI Congreso de la SEBBM
Type of participation: Participatory - invited/keynote talk
City of event: La Coruña,
Date of event: 2003
Parra, J.; Castilla, A.; Gutiérrez-Adán, A.; Brun, B.; Pintado, M.; Ramírez, F.; Salguero, F.; Díaz San Segundo, A.; Rábano, M.; Cano, C.; Guerrero and J.; Torres.
- 113 Title of the work:** Recombinant transmissible vaccine against myxomatosis and rabbit hemorrhagic disease for wild rabbit populations
Name of the conference: 3rd International Wildlife Management Congress
Type of participation: Participatory - invited/keynote talk
City of event: Christchurch (New Zealand),
Date of event: 2003
Bárcena, M.; Ramírez, M.; Morales, J.; Sánchez-Vizcaíno and J.; Torres.
- 114 Title of the work:** Study of the transmission mechanism of BSE to others species
Name of the conference: First Millennium International symposium on Prion diseases
Type of participation: Participatory - invited/keynote talk
City of event: Santiago de Chile, Chile
Date of event: 26/09/2002
End date: 27/09/2002
Organising entity: Milenium **Type of entity:** Foundation
City organizing entity: Santiago de Chile,
Juan María Torres Trillo.
- 115 Title of the work:** Transgenic mice as model to study the molecular components involved in pathogenesis of prion diseases
Name of the conference: First Millennium International symposium on Prion diseases
Type of participation: Participatory - invited/keynote talk
City of event: Santiago de Chile, Chile
Date of event: 26/09/2002
End date: 27/09/2002
Organising entity: Milenium **Type of entity:** Foundation
City organizing entity: Santiago de Chile,
Juan María Torres Trillo.
- 116 Title of the work:** Transgenic mice as model to study the molecular elements involved in pathogenesis and in the interspecies barrier of prions
Name of the conference: International symposium New forms of infectious action. Prions, viroids endogenous retroviruses.
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Madrid,
Date of event: 29/04/2002
End date: 30/04/2002
Organising entity: Fundación Ramón Areces **Type of entity:** Foundation
Juan María Torres Trillo.

- 117** **Title of the work:** Garantía de calidad en producción Animal. El caso de a encefalopatía espongiforme bovina.
Name of the conference: 2º Congreso Sociedad andaluza de nutrición clínica y dietética
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Malaga,
Date of event: 21/02/2002
End date: 22/02/2002
Organising entity: Sociedad andaluza de nutrición clínica y dietética
Type of entity: Associations and Groups
Juan María Torres Trillo.
- 118** **Title of the work:** Transgenic mice expressing bovinePrPC containing octapeptide insertional mutations
Name of the conference: Internacional symposium on the new prion biology
Type of participation: Participatory - oral communication
City of event: Venecia (Italia),
Date of event: 01/01/2002
Castilla,J.; Brun,A.; Gutiérrez,A.; Pintado,B.; Ramírez,M.; Parra,B.; Del Riego, L.; Gonzalo, I.; Rabano, A.; and Torres,J."Libro de resúmenes".
- 119** **Title of the work:** Amplification of the full-length Feline Calicivirus genome by ?long RT-PCR? and transcription of infectious RNA directly from the amplicon
Name of the conference: Workshop on "Engineering RNA Virus Genomes as Biosafe Vectors" Centre for International Meetings on biology, Fundación Juan March.
Type of participation: 'Participatory - poster
City of event: Madrid,
Date of event: 2002
Bárcena, M.; Morales, M.; Ramírez, J.; Torres."Madrid".
- 120** **Title of the work:** Bovine PrPC mutations inducing spontaneous neurological disorders in transgenic mouse models.
Name of the conference: International Conference on Transmissible Spongiform Encephalopathies.
Type of participation: Participatory - invited/keynote talk
City of event: Edimburgo,
Date of event: 2002
Castilla, J.; Gutiérrez-Adán, A.; Brun, A.; Pintado, B.; Parra, B.; Gómez-Muñoz, M.; Guerrero, C.; Rábano, A.; del Riego, L.; Ramírez, M.; and Torres, J.
- 121** **Title of the work:** Glial reaction in transgenic mice (bo-PrP) inoculated with bse & scrapie prions.
Name of the conference: European Society of Veterinarian Pathology.
Type of participation: Participatory - invited/keynote talk
City of event: Turin,
Date of event: 2002
Salguero, F.; Díaz-San Segundo, J.; Castilla, A.; Brun and J.; Torres, L.; Carrasco, J.; Gómez-Villamandos, J.; Sánchez-Vizcaíno.
- 122** **Title of the work:** Two novel anti-PrP monoclonal antibodies, 2A11 and 1EF4, defining distinct epitope exposure on PrP molecules.
Name of the conference: International Conference on Transmissible Spongiform Encephalopathies.
Type of participation: Participatory - invited/keynote talk
City of event: Edimburgo,
Date of event: 2002



Brun, A.; Castilla, J.; Cortés, E.; Parra, B.; Ramírez, M.; Salguero, F.; Prager, K.; Shiveral, D.; Douglas, A.; Sanz, A.; Sánchez-Vizcaíno, J.; Vela, C.; and Torres, J.

- 123 Title of the work:** Animales modificados genéticamente modificados en el estudio de las encefalopatías espongiformes transmisibles
Name of the conference: XXIV Congreso de la SEBBM
Type of participation: Participatory - invited/keynote talk
City of event: Valencia,
Date of event: 09/2001
Pintado, B.; Gutiérrez-Adán, J.; Castilla, A.; Brun, J.; Sánchez-Vizcaino y; Torres. "Libro de resúmenes".
- 124 Title of the work:** Análisis mutacional de la proteína VP60 de la cápsida del virus de la enfermedad hemorrágica del conejo
Name of the conference: VII Congreso Nacional de Virología
Type of participation: Participatory - oral communication
City of event: Valencia,
Date of event: 09/2001
Barcena, S.; Moreno M.; Ramirez, M; Morales, F.; Parra y; Torres, J."Libro de resúmenes".
- 125 Title of the work:** Capacidad de transmisión interespecífica de los priones
Name of the conference: VII Congreso Nacional de Virología
Type of participation: Participatory - invited/keynote talk
City of event: Valencia,
Date of event: 09/2001
Torres, J.M."Libro de resúmenes".
- 126 Title of the work:** Estudio de la infectividad de RNAs virales y sintéticos del virus de la enfermedad hemorrágica del conejo y del papel de la VPg en este proceso
Name of the conference: VII Congreso Nacional de Virología
Type of participation: Participatory - oral communication
City of event: Valencia,
Date of event: 09/2001
Morales, M.; Ramirez, J.; Barcena, F.; Parra y; Torres, J."Libro de resúmenes".
- 127 Title of the work:** Neuropathology of transgenic mice (boPrP) inoculated intracranially with the BSE agent.
Name of the conference: 19th meeting of the european society of veterinary pathology
Type of participation: Participatory - oral communication
City of event: Thessaloniki-Grecia,
Date of event: 09/2001
Salguero, C.; Sánchez, Castilla,J.; Brun,A.; Ramírez,M.; Torres,J.; Sánchez-Vizcaíno,J."Libro de resúmenes".
- 128 Title of the work:** Obtención de un clon infeccioso de calivirus felino (FCV) mediante long RT-PCR y su aplicación al estudio del papel de la proteína VPg
Name of the conference: VII Congreso Nacional de Virología
Type of participation: Participatory - oral communication
City of event: Valencia,
Date of event: 09/2001
Morales, M.; Ramirez, M.; Parra F. y Torres, J.M."Libro de resúmenes".

- 129** **Title of the work:** Ratones transgénicos que expresan diferentes secuencias de la proteína del prión (PRP) para el estudio de las encefalopatías espongiformes transmisibles (TSE)
Name of the conference: XXIV Congreso de la SEBBM
Type of participation: Participatory - oral communication
City of event: Valencia,
Date of event: 09/2001
Castilla, J.; Brun, A.; Gutiérrez, A.; Pintado, B.; Ramírez, M.; Parra, B.; Sánchez-Vizcaíno, J.; Torres, J. "Libro de resúmenes".
- 130** **Title of the work:** Studies on the possible transmission of BSE to pigs
Name of the conference: 19th meeting of the European Society of Veterinary Pathology
Type of participation: Participatory - oral communication
City of event: Thessaloniki-Greece,
Date of event: 09/2001
Salguero, C.; Sánchez, Castilla, J.; Brun, A.; Ramírez, M.; Torres, J.; Sánchez-Vizcaíno, J. "Libro de resúmenes".
- 131** **Title of the work:** Vacuna recombinante transmissible mixoma-RHDV: caracterización biológica de la cepa parental del virus mixoma.
Name of the conference: VII Congreso Nacional de Virología
Type of participation: Participatory - oral communication
City of event: Valencia,
Date of event: 09/2001
Ramírez, J.; Bárcena, M.; Morales, J.; Sánchez-Vizcaíno and J.; Torres. "Libro resúmenes".
- 132** **Title of the work:** Elementos Moleculares implicados en la barrera interespecífica de los priones (modelos experimentales)
Name of the conference: Jornadas Científicas sobre Las Encefalopatías Espongiformes Transmisibles
Type of participation: Participatory - invited/keynote talk
City of event: Facultad de Veterinaria de la Universidad de Zaragoza,
Date of event: 02/2001
J.M. Torres.
- 133** **Title of the work:** Detección Inmunohistoquímica de la PrPsc mediante el uso del anticuerpo monoclonal 2A11 en bovinos de EEB y su comparación con el 6H4.
Name of the conference: XIII Reunión de la Sociedad Española de Anatomía Patológica Veterinaria
Type of participation: Participatory - oral communication
City of event: Alicante,
Date of event: 2001
Salguero, C.; Sánchez, A.; Brun, J.; Castilla, M.; Ramírez, J.; Torres, J.; Sánchez-Vizcaíno.
- 134** **Title of the work:** Neuropatología de ratones transgénicos (bo-PrP) inoculados intracranealmente con el agente de la BSE
Name of the conference: XIII Reunión de la Sociedad Española de Anatomía Patológica Veterinaria.
Type of participation: Participatory - oral communication
City of event: Alicante,
Date of event: 2001
Sánchez, F.; Salguero, J.; Castilla, A.; Brun, M.; Ramírez, J.; Torres, J.; Sánchez-Vizcaíno.
- 135** **Title of the work:** Utilización de modelos animales en el diagnóstico de las encefalopatías espongiformes transmisibles y en el estudio de los mecanismos implicados en la transmisión de los priones.
Name of the conference: V Congreso de la SECAL.



Type of participation: Participatory - invited/keynote talk

City of event: Zaragoza,

Date of event: 2001

Castilla, J.; Gutiérrez, A.; Pintado, B.; Brun, A.; Ramírez, M.; Parra, B.; Sánchez-Vizcaíno, J.; and Torres, J.

136 Title of the work: Ratones transgénicos que expresan diferentes secuencias de la PrP

Name of the conference: XXIII Congreso de la SEBBM

Type of participation: Participatory - invited/keynote talk

City of event: Granada,

Date of event: 09/2000

J.M. Torres. "Libro de resúmenes".

137 Title of the work: Recombinant myxoma-RHDV transmissible vaccine: Biological characterization of the myxoma virus parental strain.

Name of the conference: European virology congress.

Type of participation: Participatory - oral communication

City of event: Glasgow, Escocia,

Date of event: 09/2000

Bárcena, M.; Ramírez, M.; Morales, J.; Sánchez-Vizcaíno and J.; Torres. "Libro de resúmenes".

138 Title of the work: Pathobiology and safety evaluation of a recombinant virus inducing horizontal transmissible protection against myxomatosis and Rabbit Hemorrhagic Disease.

Name of the conference: 5th International Congress of veterinary virology.

Type of participation: Participatory - oral communication

City of event: Brescia, Italia,

Date of event: 01/01/2000

Bárcena, M.; Ramírez, M.; Morales, J.; Sánchez-Vizcaíno and J.; Torres. "Libro de resúmenes".

139 Title of the work: Capacidad de transmisión interespecífica de los priones

Name of the conference: VI congreso Nacional de Virología.

Type of participation: Participatory - invited/keynote talk

City of event: Majadahonda (Madrid),

Date of event: 10/1999

J.M. Torres. "Libro de resúmenes".

140 Title of the work: Protección transmissible horizontal frente a mixomatosis RHDV usando un virus recombinante Mixoma-VP60

Name of the conference: VI congreso Nacional de Virología.

Type of participation: Participatory - oral communication

City of event: Majadahonda (Madrid),

Date of event: 01/01/1999

Morales, M. and J.M. Torres. "Libro de resúmenes".

141 Title of the work: Vacuna transmissible frente a la mixomatosis y la Enfermedad Hemorrágica del Conejo: Ensayos de seguridad.

Name of the conference: VI Congreso Nacional de Virología

Type of participation: Participatory - oral communication

City of event: Majadahonda (Madrid).,

Date of event: 01/01/1999

Barcena, J.; Pagés-Manté, A.; March, R.; Morales, M.; Ramirez, M.A.; Sánchez-Vizcaíno, J.M.; y Torres, J.M. "Libro de resúmenes".

- 142** **Title of the work:** Identificación de un epitopo T cooperador funcional en el virus de la gastroenteritis porcina transmisible (VGPT).
Name of the conference: IV Congreso Nacional de Virología.
Type of participation: Participatory - oral communication
City of event: Madrid,
Date of event: 1995
Antón, I.; Torres y; Enjuanes."Libro de resúmenes".
- 143** **Title of the work:** Modelo experimental de neumonía por adenovirus humano: tropismo y cambios en su patogenicidad mediante manipulación genética. XVII
Name of the conference: Nacional de la Sociedad Española de Anatomía Patológica
Type of participation: Participatory - oral communication
City of event: Barcelona,
Date of event: 1995
Ortega A.; Torres J.; Alvarez B.; Enjuanes L.; Alonso C."Libro de resúmenes".
- 144** **Title of the work:** Patogenia y tropismo celular de Adenovirus 5 en cerdo.
Name of the conference: IV Congreso Nacional de Virología.
Type of participation: Participatory - oral communication
City of event: Madrid,
Date of event: 1995
Ortega A.; Torres J.; Alvarez B.; Enjuanes L.; Alonso C."Libro de resúmenes".
- 145** **Title of the work:** Development of vaccines against corona- and related viruses
Name of the conference: VI International Symposium on Corona- and related viruses
Type of participation: Participatory - oral communication
City of event: Quebec, Canada,
Date of event: 09/1994
Enjuanes, L.; Castilla, J.; Antón, I.; Torres, J.; Sola, I.; and Pintado, B."Libro de resúmenes".
- 146** **Title of the work:** Induction of mucosal immunity against transmissible gastroenteritis coronavirus using Adenovirus 5 based vectors.
Name of the conference: 12th European Immunology meeting.
Type of participation: Participatory - oral communication
City of event: Barcelona,
Date of event: 06/1994
Torres, J.; Sanchez, C.; Enjuanes, L."Libro de resúmenes".
- 147** **Title of the work:** Induction of mucosal immunity against transmissible gastroenteritis coronavirus.
Name of the conference: 1st ELWW Meeting of the CEC group on "Basic Immunology for Vaccinology
Type of participation: Participatory - oral communication
City of event: Heidelberg,
Date of event: 1994
Enjuanes, L.; Smerdou, J.; Castilla, I.; Antón, C.; Sanchez, J.; Torres and I.; Sola."Libro de resúmenes".
- 148** **Title of the work:** Induction of Mucosal immunity against transmissible gastroenteritis virus
Name of the conference: "Molecular genetics in modern biotechnology"
Type of participation: Participatory - oral communication
City of event: Mallorca,
Date of event: 01/01/1993



Enjuanes, L.; Smerdou, C.; Torres, J.; Sanchez, C.; and Castilla, J."Libro de resúmenes".

149 Title of the work: Tropism and immunoprotection in transmissible gastroenteritis coronavirus.

Name of the conference: Non-targeted effects of recombinant live vaccines

Type of participation: Participatory - oral communication

City of event: Langen, Germany,

Date of event: 01/01/1993

Enjuanes, L.; Sanchez, C.; Ballesteros, M.; Mindez, A.; and Torres, J."Libro de resúmenes".

150 Title of the work: Inducción de inmunidad en mucosas contra el virus de la gastroenteritis porcina transmisible usando adenovirus como vector

Name of the conference: XIV Congreso Nacional de Microbiología

Type of participation: Participatory - oral communication

City of event: Zaragoza,

Date of event: 1993

Torres, J.; Sanchez, C.; Suqi, C.; Enjuanes, L."Libro de resúmenes".

151 Title of the work: Inducción de inmunidad secretora frente a coronavirus

Name of the conference: XVIII Congreso Nacional de Bioquímica

Type of participation: Participatory - oral communication

City of event: San Sebastian,

Date of event: 1993

Enjuanes, L.; Smerdou, C.; Antón, I.; Torres, J.; Castilla, J."Libro de resúmenes".

152 Title of the work: Bases moleculares del tropismo del coronavirus de la gastroenteritis porcina transmisible.

Name of the conference: III Congreso Nacional de Virología.

Type of participation: Participatory - oral communication

City of event: Barcelona,

Date of event: 1992

Sanchez, C.; Torres, J.; Enjuanes, L."Libro de resúmenes".

153 Title of the work: Induction of a transmissible gastroenteritis coronavirus specific immune response using vectors with enteric tropism

Name of the conference: Jornadas COTEC sobre biotecnología

Type of participation: Participatory - oral communication

City of event: 1992,

Date of event: 1992

Enjuanes, L.; Smerdou, C.; Sanchez, C.; Antón, I.; Kelly, S.; Curtiss, R.; and Torres, J."Libro de resúmenes".

154 Title of the work: Induction of an immune response to transmissible gastroenteritis coronavirus using vectors with enteric tropism.

Name of the conference: VII Internacional Congress of Mucosal Immunology.

Type of participation: Participatory - oral communication

City of event: Praga,

Date of event: 1992

Enjuanes, L.; Smerdou, C.; Sanchez, I.; Antón, S.; Kelly, R.; Curtiss III and J.; Torres."Libro de resúmenes".

155 Title of the work: Induction of mucosal immunity against transmissible gastroenteritis coronavirus

Name of the conference: IXth International Congress of Virology.

Type of participation: Participatory - oral communication



City of event: Glasgow,

Date of event: 1992

Smerdou, C.; Sanchez, C.; Torres, J.; and Enjuanes, L. "Libro de resúmenes".

156 Title of the work: Induction of mucosal immunity against transmissible gastroenteritis coronavirus using prokaryotic and eukaryotic vectors.

Name of the conference: VII International symposium on coronaviruses

Type of participation: Participatory - oral communication

City of event: Paris,

Date of event: 1992

Smerdou, C.; Suqi, C.; Antón, I.; Torres, J.; Medina, M.; and Enjuanes, L. "Libro de resúmenes".

157 Title of the work: Protección frente a infecciones por virus: Diseño de vacunas y desarrollo de animales transgénicos.

Name of the conference: Jornadas COTEC sobre biotecnología

Type of participation: Participatory - oral communication

City of event: 1992,

Date of event: 1992

Enjuanes, L.; Medina, M.; Torres, J.; Smerdou, C.; Antón, I.; Sanchez, C.; Ballesteros, M.; Mendez, A. "Libro de resúmenes".

158 Title of the work: Alpha-fetoprotein receptor sites with different affinities in human B-lymphomas and T-leukemia cells.

Name of the conference: XVIIIth International congress of I.S.O.B.M

Type of participation: Participatory - oral communication

City of event: Moscow (USSR),

Date of event: 09/1990

J.M. Torres, M. Geuskens and J. Uriel. "Libro de resúmenes".

159 Title of the work: Aislamiento y caracterización del receptor de la Alfa-fetoproteína a partir de fetos humanos.

Name of the conference: XVII Congreso de la Sociedad Española de Bioquímica

Type of participation: Participatory - oral communication

City of event: Oviedo,

Date of event: 01/01/1990

J.M. Torres and J. Uriel. "Libro de resúmenes".

160 Title of the work: Expresión de receptores para la proteína fijadora de Vitamina D, en células linfoblastoides de origen humano

Name of the conference: XVII Congreso de la Sociedad Española de Bioquímica

Type of participation: Participatory - oral communication

City of event: Oviedo,

Date of event: 01/01/1990

Esteban, J.; Torres, M.; Geuskens and J.; Uriel. "Libro de resúmenes".

161 Title of the work: Expresion du recepteur de L'Alpha-fetoprotéine chez les lymphocytes T nomaux et infectés par les virus HIV-1

Name of the conference: Reunion Scientifique de la Societé Française d'Immunologie,.

Type of participation: Participatory - oral communication

City of event: Nantes (Francia),

Date of event: 01/01/1989

Torres, M.; Geuskens, C.; Esteban and J.; Uriel. "Libro de resúmenes".

- 162 Title of the work:** Defective endocytosis of alpha-fetoprotein (AFP) and transferrin (Tf) by PHA-activated peripheral blood lymphocytes from patients with acquired immunodeficient (AIDS) and related syndromes including seropositive asymptomatic homosexuals.

Name of the conference: XVIth International congress of I.S.O.B.M.

Type of participation: Participatory - oral communication

City of event: Barcelona,

Date of event: 09/1988

Uriel, Y.; Lunardi, J.; Laborda, J.; Torres, J.; Naval, V.; Georgoulas, R.; Lowi, CI Jasmin; and Z.; Mishal. "Libro de resúmenes".

- 163 Title of the work:** Internalización de alfa-fetoproteína (AFP) y cambios en la fluidez de membrana durante la transformación blástica de linfocitos-T humanos.

Name of the conference: III Congreso Luso-Español de Bioquímica,

Type of participation: Participatory - oral communication

City of event: Santiago de Compostela,

Date of event: 01/01/1988

Anel, J.; Naval, J.; Torres, J.; Laborda, J.; Uriel y; Piñeiro. "Libro de resúmenes".

- 164 Title of the work:** Synthesis of mRNA-AFP by PHA activated T-lymphocytes

Name of the conference: XIV International Congress of Biochemistry

Type of participation: Participatory - oral communication

City of event: Praga,

Date of event: 01/01/1988

Ch. Lafarge-Frayssenet, J.M. Torres and J. Uriel. "Libro de resúmenes".

- 165 Title of the work:** Characterization of Three Mutants of E. coli deficient in glutathione reductase activity.

Name of the conference: 13th International Congress of Biochemistry

Type of participation: Participatory - oral communication

City of event: Amsterdam (Holanda),

Date of event: 01/01/1985

Alonso, J.; Torres, A.; Bocanegra, J.; Lopez-Barea, and; Pueyo. "Libro de resúmenes".

- 166 Title of the work:** Sensibilidad a compuestos tóxicos de mutantes de Escherichia coli deficientes en actividad glutatión reductasa.

Name of the conference: XI Congreso de la Sociedad Española de Bioquímica

Type of participation: Participatory - oral communication

City of event: Tenerife,

Date of event: 09/1984

Alonso, J.; Torres, J.; López-Barea, and; Pueyo. "Libro de resúmenes".

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Member of EFSA Working Group on Atypical BSE study protocol.
Affiliation entity: European Food Safety Authority(EFSA). Protocol for further laboratory investigations into the distribution of infectivity of Atypical BSE. EFSA Journal 2014;12(7):3798, 55 pp.
Start-End date: 01/2014 - 06/2014
- 2** **Committee title:** Member of the EFSA Working Group on preparing the draft opinion: Joint Scientific Opinion on any possible epidemiological or molecular association between TSEs in animals and humans.
Affiliation entity: European Food Safety Authority(EFSA), EFSA Journal 2011; 9(1):1945.
End date: 2011
- 3** **Committee title:** Member of the EFSA working group for preparing the draft opinion: "Opinion of the Scientific Panel on Biological Hazards on a request from the European Parliament on Certain Aspects related to the Feeding of Animal Proteins to Farm Animals."
Affiliation entity: European Food Safety Authority (EFSA). The EFSA Journal (2007) Journal number 576, 1 -41.
Start-End date: 2007 - 2007

Organization of R&D activities

- 1** **Title of the activity:** 8th Iberian congress on prions (Castelo Branco, Portugal) 2019
Type of activity: Member of the Scientific Committee **Geographical area:** Internacional
Start date: 24/10/2019
- 2** **Title of the activity:** International Congress Prion 2019 (Edmonton, Canada)
Type of activity: member of the International Scientific Advisory Board of PRION 2019 **Geographical area:** Mundial
Convening entity: Neuroprion **Type of entity:** Associations and Groups
Start date: 21/05/2019
- 3** **Title of the activity:** 7th Iberian congress on prions (Laguardia, Spain) 2018
Type of activity: Member of the Scientific Committee **Geographical area:** Internacional
Start date: 26/10/2018
- 4** **Title of the activity:** International Congress Prion2018 (Santiago de Compostela, Spain)
Type of activity: member of the International Scientific Advisory Board of PRION 2018 **Geographical area:** Mundial
Convening entity: Neuroprion **Type of entity:** Associations and Groups
Start date: 22/05/2018
- 5** **Title of the activity:** 6th Iberian congress on prions (Córdoba, Spain) 2017
Type of activity: Chairman y Presidente del comité organizador **Geographical area:** Internacional
Start date: 26/10/2017



- 6** **Title of the activity:** 5º Congreso Ibérico de Priones (Barcelona, España) 2016
Type of activity: Miembro del Comité Científico **Geographical area:** Ibérico
Start date: 01/12/2016
- 7** **Title of the activity:** International Congress Prion2016 (Tokio, Japon)
Type of activity: member of the International Scientific Advisory Board of PRION 2016 **Geographical area:** Mundial
Convening entity: Neuroprion **Type of entity:** Associations and Groups
Start date: 05/2016
- 8** **Title of the activity:** 4º Congreso Ibérico de Priones (Lisboa, Portugal) 2015
Type of activity: Miembro del Comité Científico **Geographical area:** Ibérico
Start date: 01/12/2015
- 9** **Title of the activity:** 3º Congreso Ibérico de Priones (Zaragoza, España) 2014
Type of activity: Miembro del Comité Científico **Geographical area:** Ibérico
Start date: 02/12/2014
- 10** **Title of the activity:** International Congress Prion2014 (Trieste, Italia)
Type of activity: Miembro del Comité Científico **Geographical area:** Mundial
Convening entity: Neuroprion
Start date: 05/2014
- 11** **Title of the activity:** 2º Congreso Ibérico de Priones (Faro, Portugal) 2013
Type of activity: Miembro del Comité Científico **Geographical area:** Ibérico
Start date: 02/12/2013
- 12** **Title of the activity:** Primer Congreso Ibérico de Priones (Santiago de Compostela) 2012
Type of activity: Miembro del Comité Científico **Geographical area:** Ibérico
Start date: 03/12/2012
- 13** **Title of the activity:** International Congress Prion2012 (Ámsterdam, Holanda)
Type of activity: Miembro del Comité Científico **Geographical area:** Mundial
Start date: 04/05/2012
- 14** **Title of the activity:** Congreso Nacional de Prione 2011 (Madrid)
Type of activity: Miembro del Comité Científico **Geographical area:** National
Start date: 01/12/2011
- 15** **Title of the activity:** Congreso Nacional de Prione 2010 (Bilbao)
Type of activity: Miembro del Comité Científico **Geographical area:** National
Start date: 25/11/2010
- 16** **Title of the activity:** International Congress Prion2010 (Salzburgo, Austria)
Type of activity: Miembro del Comité Científico **Geographical area:** Mundial
Convening entity: Neuroprion
Start date: 08/09/2010
- 17** **Title of the activity:** International Congres Prion2009
Type of activity: Miembro del Comité Científico **Geographical area:** Mundial
City of event: Porto Carras, Chalkidiki, Greece



Convening entity: Neuroprion
Type of participation: Comité Científico
Nº assistants: 700
Start date: 22/09/2009

18 Title of the activity: International Congres Prion2008
Type of activity: Miembro del Comité Científico **Geographical area:** Mundial
City of event: Madrid, Spain
Convening entity: Neuroprion
Type of participation: Chairman
Nº assistants: 800
Start date: 08/10/2008

19 Title of the activity: International Congres Prion2008
Type of activity: Organización del Congreso **Geographical area:** Non EU International
 (Organizador principal)
City of event: Madrid, Spain
Convening entity: Neuroprion **Type of entity:** Associations and Groups
Type of participation: Organiser
Nº assistants: 800
Start date: 08/10/2008

20 Title of the activity: International Congres Prion2007
Type of activity: Congreso Internacional **Geographical area:** Mundial
City of event: Edimburgo, United Kingdom
Convening entity: Neuroprion
Type of participation: Comité científico
Start date: 01/01/2007

R&D management

1 Name of the activity: Governing Board member of the International Association for research on prions and related diseases (Neuroprion)
Type of management: Management of body
Performed tasks: Organización y gestión de programas científicos de Neuroprion.
Entity: Neuroprion **Type of entity:** Associations and Groups
Start date: 01/2010 **Duration:** 5 years

2 Name of the activity: Executive committee of the Network of Excellence of the Prion diseases #Neuroprion
Type of management: Management of R&D&I actions and projects
Performed tasks: Miembro del comité ejecutivo
Entity: Noe Neuroprion **Type of entity:** Red de Excelencia Europea
Start date: 01/01/2004 **Duration:** 6 years

3 Name of the activity: Creación y dirección del grupo de biología molecular y celular de priones del CISA-INIA
Type of management: Group management
Performed tasks: Gestion del grupo de investigación
Entity: CISA-INIA **Type of entity:** Public Research Body
Start date: 01/12/2001 **Duration:** 14 years

Evaluation and revision of R&D projects and articles

- 1** **Name of the activity:** Convocatorias de proyecto de investigación
Performed tasks: Evaluación de proyectos de investigación Plan Nacional de I+D+I.
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva (ANEP) **Type of entity:** State agency
Start-End date: 2002 - 2017
- 2** **Name of the activity:** Research Program
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: French National Research Agency (ANR) **Type of entity:** State agency
Start-End date: 2009 - 2012
- 3** **Name of the activity:** Convocatorias de proyecto de NoE Neuroprion
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: NoE Neuroprion **Type of entity:** Associations and Groups
Start-End date: 2004 - 2009
- 4** **Name of the activity:** Labellisation des Infrastructures Scientifiques collectives de l'Inra
Performed tasks: Evaluación de infraestructuras científicas
Entity where activity was carried out: Instituto de Recursos Naturales y Agrobiología de Salamanca **Type of entity:** Public Research Body
City of entity: France
Start date: 2017
- 5** **Name of the activity:** CONVOCATORIA PICT 2015
Performed tasks: evaluador de los proyectos PICT, integrando el Banco de evaluadores del FONCyT
Entity where activity was carried out: Agencia Nacional de Promoción Científica y Tecnológica Ministerio de Ciencia, Tecnología e Innovación Productiva Godoy Cruz 2370 - C1425 FQD - Ciudad de Buenos Aires - Argentina
City of entity: Buenos Aires, Argentina
Geographical area: Non EU International
Start date: 2016
- 6** **Name of the activity:** The United States - Israel Binational Agricultural Research and Development Fund (BARD2013)
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: The United States - Israel Binational Agricultural Research and Development Fund
Start date: 2013
- 7** **Name of the activity:** 2012 Research funding from DEFRA
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: DEFRA (Department for Environment Food & Rural Affairs, United Kingdom)
Start date: 2012



- 8** **Name of the activity:** 2012 Research funding from DEFRA
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: DEFRA (Department for Environment Food & Rural Affairs, United Kingdom)
Start date: 2012
- 9** **Name of the activity:** 2010 Research funding from DEFRA
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: DEFRA (Department for Environment Food & Rural Affairs, United Kingdom)
Start date: 2010
- 10** **Name of the activity:** Higher Education and Research Programme Evaluation Agency (AERES) 2008
Performed tasks: Evaluación de Unidades y laboratorios de investigación
Entity where activity was carried out: Higher Education and Research Programme Evaluation Agency (AERES)
Start date: 2008
- 11** **Name of the activity:** ANR MIE 2008 Funding Programme
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: French National Research Agency (ANR) **Type of entity:** State agency
Start date: 2008
- 12** **Name of the activity:** Appel d'offres PF 2008.
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: GIS IBISA « Coordination des plates-formes de recherche en science du vivant » **Type of entity:** State agency
Start date: 2008
- 13** **Name of the activity:** GENOMIC 2008 RESEARCH PROGRAM
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: French National Research Agency (ANR) **Type of entity:** State agency
Start date: 2008
- 14** **Name of the activity:** 2005 Research funding from DEFRA
Performed tasks: Evaluación de proyectos de investigación
Entity where activity was carried out: DEFRA (Department for Environment Food & Rural Affairs, United Kingdom)
Start date: 2005
- 15** **Performed tasks:** Referee de varias revistas científicas:
Entity where activity was carried out: J. Gen. Virol.; Veterinary research: FEBS letter; FASEB; J. Neuroscience; J. Neurochemistry; Plos Pathogen; PlosOne; J. Virology; Em inf dis; BBA; Sci Reports; J Inf Dis;
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Centro de Investigación en Sanidad Animal (CISA-INIA),
City of entity: Valdeolmos(Madrid), Spain
Start-End date: 09/1996 - 12/2001
Goals of the stay: Contracted
Type of entity: Public Research Body
Duration: 5 years
- 2** **Entity:** Centro Nacional de Biotecnología (CSIC)
Start-End date: 09/1993 - 09/1996
Goals of the stay: Contracted
Type of entity: Public Research Body
Duration: 3 years
- 3** **Entity:** CNB-CSIC, Madrid.
Start-End date: 01/1992 - 09/1993
Goals of the stay: Beca de reincorporación a España de Doctores y Tecnólogos del Programa Nacional de Formación de Personal Investigador
Duration: 1 year - 9 months
- 4** **Entity:** Institut de Recherches Scientifiques sur le Cancer" (Villejuif, FRANCIA).
Start-End date: 11/1989 - 12/1991
Goals of the stay: Post-doctoral
Duration: 1 year - 11 months
- 5** **Entity:** Institut de Recherches Scientifiques sur le Cancer" (Villejuif, FRANCIA).
Start-End date: 07/1989 - 11/1989
Goals of the stay: Post-doctoral
Duration: 5 months
- 6** **Entity:** Institut de Recherches Scientifiques sur le Cancer" (Villejuif, FRANCIA).
Start-End date: 10/1987 - 06/1989
Goals of the stay: Doctorate
Duration: 1 year - 9 months

Summary of other achievements

- 1** **Description of the achievement:** -Beca de reincorporación a España de Doctores y Tecnólogos del Programa Nacional de Formación de Personal Investigador (Enero de 1992 a Septiembre de 1993).
Conferral date: 01/1992
- 2** **Description of the achievement:** - Beca Postdoctoral de Programa Nacional de Formación de Personal Investigador en el Extranjero, Subprograma de Perfeccionamiento de Doctores y Tecnólogos (Noviembre de 1989 a Diciembre de 1991).
Conferral date: 11/1989
- 3** **Description of the achievement:** - Beca del "Laboratoire de Chimie des Protéines del Institut de Recherches Scientifiques sur le Cancer" (Villejuif, FRANCIA) (Julio de 1989 a Noviembre de 1989).
Conferral date: 07/1989



- 4** **Description of the achievement:** -Beca predoctoral del Programa de Formación de Personal Investigador, Subprograma C3) MEC/MRES en Francia (Octubre 1987 a Junio de 1989)

Conferral date: 10/1987