



Fernando Bartolome Robledo

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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.

During my PhD (CIB/CSIC 2004-2009), I was studying some of the molecular mechanisms associated to neurodegeneration in Alzheimer's disease (AD) frontotemporal dementia (FTD) and amyotrophic lateral sclerosis (ALS) using patient derived lymphoblasts. Then, during my postdoc at the UCL Institute of Neurology (UCL-IoN) (London, UK) (September 2010 – January 2014) I obtained a two years fellowship from the Spanish Ministry of Education. Using dynamic live-cell imaging techniques, I explored the mitochondrial pathophysiology associated to Valosin Containing Protein (VCP) mutations causing the multisystem disorder Inclusion Body Myopathy, Paget disease of the Bone and Frontotemporal dementia (IBMPFD) and Amyotrophic Lateral Sclerosis (ALS) (published in *Neuron*). I obtained the UCL-Early Career Neuroscientist Prize (2013 UCL Neuroscience Symposium). I obtained funding from the ALS association (US) and the MND association (UK) allowing me to stay in London 16 extra months. Besides these mayor projects, I was involved in several side projects investigating the increase/decrease ER-mitochondrial micro-domains upon calcium signalling using a Parkinson's disease (PD) cell model. I also studied the mitochondrial pathophysiology related to PLA2G6 and HPCA mutations associated to dystonia-parkinsonism. I also co-supervised and taught the laboratory work to a medical student in physiological research for the undergraduate research project. During my second and third postdoc in Madrid first with a Sara Borrell fellowship and second with CIBERNED postdoc contract, and keeping an honorary appointment at the UCL-IoN my work has been related to study the effects of compounds on the mitochondrial physiology, bioenergetics and mitochondrial dynamics in neurodegeneration using cellular and animal models. We also explore the mitochondrial pathophysiology associated to p62 mutations causing FTD and ALS cases (*Sci Rep*; top 5 best poster presentations in Neuromuscular Translational Research Conference 2016 in Oxford); in collaboration with my postdoc Lab in London we worked in ascertaining the molecular mechanism associated to uncoupling in VCP deficient cells (*J Biol Chem*). On the other hand, we studied the mitochondrial dynamics in a mouse model of obesity which shows neurodegenerative features (*J. Neuroinflamm*; corr. author) and more recently we published this model is protected against fat diet challenge *J. Neuroinflamm*; corr. author). We are also exploring and new biomarkers for neurodegenerative disorders (ie, salivary Lactoferrin for AD, published in *Alzheimers Dement*). In other work, we showed how phosphodiesterase 7 inhibition restores amyloid-induced impairments on mitochondrial dynamics, hippocampal neurogenesis and memory (*Alzheimers Res Ther*; corr. author). Other work has shown how activation of cannabinoid type 2 receptor normalizes survival pattern of lymphoblasts from late-onset Alzheimer's disease patients (*CNS Drugs*). A work published in *Mol Neurobiol* (corr. author) revealed differential pattern of platelet protein levels in Alzheimer's disease. One of my last works shows how lymphoblasts from ALS patients recapitulate pathological features (*Mol Neurobiol*). On the other hand, I am co-PI in the last call for Health Research Projects from Instituto de Salud Carlos III (PI18/00118). Additionally, I supervised 2 undergraduate and 6 master projects and now I am directing 2 PhD student Thesis projects to be presented by the end of this year.



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.

Sum of times cited (WoS): 496
Without self citations (WoS): 443
h-index (WoS): 12

**Fernando Bartolome Robledo**

Surname(s): **Bartolome Robledo**
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 ORCID: **0000-0001-9322-8933**
 ResearcherID: **D-4618-2011**
 Contact aut. region/reg.: **Community of Madrid**
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Current professional situation

Employing entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)

Department: Instituto de Investigacion Doce de Octubre

Professional category: Postdoc Researcher **Educational Management (Yes/No):** Yes

Start date: 01/03/2017

Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology; 249000 - Neurosciences

Secondary (UNESCO code): 240603 - Bioenergetics; 240701 - Cell culture; 240902 - Genetic engineering

Identify key words: Cell physiology; Molecular mechanism of disease; Cell culture; Bioenergetics; Molecular markers and recognition

Field of management activity: Public Research Body

Employing entity: University College London **Type of entity:** University

Department: Institute of Neurology

Professional category: Honorary Research Associate

Start date: 01/01/2014

Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology; 249000 - Neurosciences

Secondary (UNESCO code): 240603 - Bioenergetics; 240701 - Cell culture; 240902 - Genetic engineering

Identify key words: Cell physiology; Molecular mechanism of disease; Cell culture; Bioenergetics; Molecular markers and recognition

Previous positions and activities

	Employing entity	Professional category	Start date
1	FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE	Sara Borrell Postdoc Researcher	30/01/2014
2		Postdoc researcher	16/09/2010

	Employing entity	Professional category	Start date
	University College London (Institute of Neurology)		
3	Centro de Investigaciones Biológicas	PhD research fellow (GP3 programme)	03/2008
4	Centro de Investigaciones Biológicas	PhD research fellow (I3P-CPG programme)	02/2007
5	Centro de Investigaciones Biológicas	PhD research fellow	09/2004
6	Universidad SEK	Research assistant	2003

1 **Employing entity:** FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE

Department: Neurosciences, Instituto de Investigacion Doce de Octubre

Professional category: Sara Borrell Postdoc **Educational Management (Yes/No):** Yes
Researcher

Start-End date: 30/01/2014 - 29/01/2017 **Duration:** 3 years

Type of contract: Temporary employment contract

Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology; 249000 - Neurosciences

Secondary (UNESCO code): 240603 - Bioenergetics; 240701 - Cell culture; 240902 - Genetic engineering

Identify key words: Cell physiology; Molecular mechanism of disease; Cell culture; Bioenergetics; Molecular markers and recognition

Field of management activity: Public Research Body

2 **Employing entity:** University College London (Institute of Neurology) **Type of entity:** University Research Institute

Department: Dept. of Molecular Neuroscience

City employing entity: London, United Kingdom

Professional category: Postdoc researcher

Email: j.hardy@ucl.ac.uk

Start-End date: 16/09/2010 - 31/12/2014 **Duration:** 4 years - 3 months - 15 days

Type of contract: Temporary employment contract

Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology; 249000 - Neurosciences

Secondary (UNESCO code): 240603 - Bioenergetics; 240701 - Cell culture; 240902 - Genetic engineering

Tertiary (UNESCO code): 240699 - Other; 240701 - Cell culture

Field of management activity: Public Research Body

3 **Employing entity:** Centro de Investigaciones Biológicas **Type of entity:** State agency

City employing entity: Madrid, Spain

Professional category: PhD research fellow (GP3 programme)

Email: amrequero@cib.csic.es

Start-End date: 03/2008 - 09/2010 **Duration:** 2 years - 5 months - 15 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology

Identify key words: Cell physiology; Molecular mechanism of disease; Laboratory animals; Cell culture; Cytology; Molecular markers and recognition



- 4** **Employing entity:** Centro de Investigaciones Biológicas **Type of entity:** State agency
Department: Cellular and Molecular Medicine
City employing entity: Madrid, Spain
Professional category: PhD research fellow (I3P-CPG programme)
Email: amrequero@cib.csic.es
Start-End date: 02/2007 - 01/2008 **Duration:** 1 year
Type of contract: Temporary employment contract
Dedication regime: Full time
Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology
Identify key words: Cell physiology; Molecular mechanism of disease; Laboratory animals; Cell culture; Cytology; Molecular markers and recognition
- 5** **Employing entity:** Centro de Investigaciones Biológicas **Type of entity:** State agency
Department: Cellular and Molecular Medicine
City employing entity: Madrid, Spain
Professional category: PhD research fellow
Email: amrequero@cib.csic.es
Start-End date: 09/2004 - 01/2007 **Duration:** 2 years - 4 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology
Identify key words: Cell physiology; Molecular mechanism of disease; Cell culture; Cytology; Molecular markers and recognition
- 6** **Employing entity:** Universidad SEK **Type of entity:** University
City employing entity: Segovia, Spain
Professional category: Research assistant
Email: samuel.gonzalez@ie.edu
Start-End date: 2003 - 2004 **Duration:** 1 year
Primary (UNESCO code): 241400 - Microbiology



Education

University education

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

University degree: Higher degree

Name of qualification: Licenciado en Biología Opción Biología Celular y Molecular

Degree awarding entity: Universidad SEK

Type of entity: University

Date of qualification: 11/09/2003

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Bioquímica, Biología Molecular y Biomedicina

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

Date of degree: 24/06/2009

DEA awarding entity: Universidad Complutense de Madrid

Date DEA was awarded: 06/2006

Thesis title: Survival/cell death control in Alzheimer pathology. Studies in extraneuronal cells.

Thesis director: Angeles Martin Requero

Obtained qualification: Outstanding (cum laude)

Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

Title of course/seminar: Curso de Aptitud Pedagógica

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

Faculty, institute or centre: Facultad de Educación

Start-End date: 2004 - 2004

Language skills

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



Teaching experience

General teaching experience

- 1** **Name of the course:** Medicina Traslacional
Type of programme: Master's degree **Type of teaching:** In person theory
University degree: Master Universitario
Course given: Neurological and Neuropsychiatric diseases
Start date: 24/09/2018 **End date:** 14/06/2019
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
Department: Psychiatry
- 2** **Name of the course:** Medicina Traslacional
Type of programme: Master's degree **Type of teaching:** In person theory
University degree: Master Universitario
Course given: Neurological and Neuropsychiatric diseases
Start date: 04/09/2017 **End date:** 15/06/2018
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
Department: Psychiatry
- 3** **Name of the course:** Investigacion en Ciencias Biomedicas
Type of programme: Master's degree **Type of teaching:** Laboratory work
University degree: Master Universitario
Start date: 04/09/2017 **End date:** 15/06/2018
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
- 4** **Name of the course:** Investigacion en Ciencias Biomedicas
Type of programme: Master's degree **Type of teaching:** Laboratory work
University degree: Master Universitario
Start date: 04/09/2017 **End date:** 15/06/2018
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
- 5** **Name of the course:** Investigacion en Ciencias Blomedicas
Type of programme: Master's degree **Type of teaching:** Laboratory work
University degree: Master Universitario
Start date: 08/09/2014 **End date:** 15/06/2015
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina
- 6** **Name of the course:** Trabajo fin de Grado
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
University degree: Graduado o Graduada en Medicina
Start date: 02/02/2015 **End date:** 05/06/2015



Entity: Universidad Complutense de Madrid
Faculty, institute or centre: Facultad de Medicina

Type of entity: University

7 **Name of the course:** Trabajo fin de grado
Type of programme: Bachelor's degree
University degree: Graduado o Graduada en Medicina
Start date: 02/02/2015
Entity: Universidad Complutense de Madrid
Faculty, institute or centre: Facultad de Medicina

Type of teaching: Laboratory work

End date: 05/06/2015

Type of entity: University

8 **Type of teaching:** Official teaching
Name of the course: Undergraduate research project in physiology
Professional category: Physiological research project for medical students
Type of programme: Bachelor's degree
Type of subject: Core
Assessment type: Internal assessment
University degree: Medicine
Start date: 09/2012
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: University College London
Department: Molecular Neuroscience
City of entity: Londres, United Kingdom
Assessment entity: University College London
City assessment entity: London, Spain
Assessment type: Internal assessment
Type of entity: University
Top mark possible: Outstanding
Subject language: English

Type of teaching: Laboratory work

End date: 05/2012

9 **Type of teaching:** Unofficial teaching
Name of the course: Toxicología
Type of programme: Bachelor's degree
University degree: Licenciado en Biología Opción Biología Celular y Molecular
Start date: 2003
Entity: Universidad SEK
Faculty, institute or centre: Facultad de Ciencias Experimentales
City of entity: Segovia, Castile and León, Spain
Subject language: Spanish

Type of teaching: Laboratory work

End date: 2004

Type of entity: University

Experience supervising doctoral thesis and/or final year projects

1 **Project title:** Alteraciones de la función mitocondrial y los mecanismos autofágicos en modelos de neurodegeneración
Type of project: Doctoral thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Autónoma de Madrid
Student: Macarena de la Cueva de Vicente
Date of reading: 2020

Type of entity: University



- 2** **Project title:** Alteraciones moleculares y funcionales en estadios tempranos de la enfermedad de Alzheimer. Identificación de posibles biomarcadores y dianas terapéuticas
Type of project: Doctoral thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Marta Gonzalez Sanchez
Date of reading: 2020
- 3** **Project title:** ESTUDIO DE MECANISMOS MOLECULARES IMPLICADOS EN LA REGULACIÓN DE LA LACTOFERRINA EN GLÁNDULAS SALIVALES EN LA ENFERMEDAD DE ALZHEIMER
Type of project: End of degree project
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Lucia Maria Ferro Martinez
Date of reading: 06/2019
- 4** **Project title:** Estudio de la interacción de alpha-sinucleína con procesos neurodegenerativos
Type of project: End of degree project
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Paula Carrasquilla Garcia
Date of reading: 06/2019
- 5** **Project title:** Efecto del silenciamiento de SORL1 sobre la viabilidad celular y la autofagia
Type of project: Master thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Francisco de Vitoria **Type of entity:** University
City of entity: Madrid,
Student: Adriana Figueroa Garcia
Date of reading: 06/2019
- 6** **Project title:** Alteraciones moleculares a nivel de las glándulas salivales en la enfermedad de Alzheimer
Type of project: Master thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Carlos Ceron Hernandez
Date of reading: 06/2018
- 7** **Project title:** Estudio de la fosfodiesterasa 8 como posible diana terapéutica en modelos experimentales de enfermedad de Alzheimer
Type of project: Master thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Alejandro Castilla Ibeas
Date of reading: 06/2018



- 8** **Project title:** ANÁLISIS DEL MECANISMO DE DESACOPLE MITOCONDRIAL ASOCIADO A LA DEFICIENCIA EN LA PROTEÍNA VCP
Type of project: Master thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Macarena de Vicente de la Cueva
Obtained qualification: Sobresaliente (9.1)
Identify key words: Molecular mechanism of disease
Date of reading: 06/2015
- 9** **Project title:** Efectos del beta amiloide y del inhibidor de la fosfodiesterasa 7 (pde7) a nivel de la mitocondria neuronal
Type of project: Master thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Ghita Tagmouti
Date of reading: 06/2015
- 10** **Project title:** Estudio de niveles de proteínas en saliva y su posible relación con enfermedades neurodegenerativas
Type of project: Master thesis
Co-director of thesis: Eva Carro Diaz
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid,
Student: Victor Chan Moi Fat Fresnillo
Date of reading: 06/2015
- 11** **Project title:** The Role of Calcium Signalling in Neurodegeneration in PINK1 Deficiency
Type of project: Laboratory Research Project in Physiology
Co-director of thesis: Andrey Y Abramov
Entity: University College London **Type of entity:** University
City of entity: London, United Kingdom
Student: Natasha Graham
Date of reading: 05/2013



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:** VALIDACION DE LA PROTEINA SALIVAL LACTOFERRINA COMO BIOMARCADOR DE LA ENFERMEDAD DE ALZHEIMER: ALTERNATIVA AL DIAGNOSTICO Y MECANISMO PATOGENICO
Entity where project took place: FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE
Name principal investigator (PI, Co-PI....): Fernando Bartolome; Eva Carro
Funding entity or bodies:
Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Start-End date: 01/01/2019 - 31/12/2021 **Duration:** 3 years
Total amount: 200.557,5 €
- 2** **Name of the project:** Bases Metabolicas de la Neurodegeneracion
Entity where project took place: FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Carro E
Nº of researchers: 8
Funding entity or bodies:
Consejería de Educación Comunidad de Madrid **Type of entity:** Public Research Body
City funding entity: Madrid, Spain
Start-End date: 01/01/2018 - 31/12/2021
Total amount: 800.000 €
- 3** **Name of the project:** Inflamacion periferica como factor de riesgo en la patologia de la enfermedad de Alzheimer: nuevas herramientas diagnosticas y dianas terapeuticas
Degree of contribution: Researcher
Entity where project took place: FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Eva Carro Diaz; Fernando Bartolome Robledo
Nº of researchers: 4
Funding entity or bodies:
Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Type of participation: Team member
Name of the programme: Accion Estrategica de Salud 2015
Start-End date: 01/01/2016 - 31/12/2018
Total amount: 90.000 €
Dedication regime: Part time



- 4** **Name of the project:** Quimio-computacion en el descubrimiento de farmacos multidiana para el tratamiento de la enfermedad de Alzheimer
Degree of contribution: Researcher
Entity where project took place: Centro de Investigaciones Biológicas **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Angeles Martin Requero; Fernando Bartolome Robledo
N° of researchers: 6
Funding entity or bodies: Ministerio de Economía y Competitividad
Type of participation: Team member
Name of the programme: Proyectos RETOS (Direccion General de Investigacion Cientifica y Tecnica; Subdireccion General de Proyectos de Investigacion)
Code according to the funding entity: CTQ2015-6631 3-R
Start-End date: 01/01/2016 - 31/12/2018
Total amount: 60.000 €
Dedication regime: Part time
- 5** **Name of the project:** Asociación de alteraciones moleculares y funcionales de los plexos coroideos con la severidad, patología y progresión de la enfermedad de Alzheimer
Degree of contribution: Researcher
Entity where project took place: FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Eva Carro Diaz; Fernando Bartolome Robledo
N° of researchers: 5
Funding entity or bodies: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Name of the programme: Accion Estrategica de Salud 2011
Code according to the funding entity: PI12-0040089
Start-End date: 01/01/2013 - 30/06/2016
Total amount: 55.000 €
- 6** **Name of the project:** Estudio de la capacidad neuroprotectora de las celulas epiteliales de los plexos coroideos como potencial terapia regenerativa de la enfermedad de Alzheimer
Entity where project took place: FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Eva Carro Diaz; Fernando Bartolome Robledo
N° of researchers: 4
Funding entity or bodies: Fundación Ramón Areces **Type of entity:** Foundation
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 01/08/2012 - 31/07/2015
Total amount: 100.000 €
- 7** **Name of the project:** Mitochondrial dysfunction associated with VCP deficiency in ALS
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union



Degree of contribution: Researcher
Entity where project took place: University College London **Type of entity:** University
City of entity: London, Inner London, United Kingdom
Name principal investigator (PI, Co-PI....): John Hardy
Nº of researchers: 2
Funding entity or bodies: Motor Neuron Disease Association
City funding entity: United Kingdom
Code according to the funding entity: Hardy/Oct12/6603
Start-End date: 01/07/2013 - 31/12/2013 **Duration:** 6 months
Total amount: 24.989 €
Dedication regime: Full time

8 **Name of the project:** Mitochondrial dysfunction associated with VCP deficiency in ALS
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** Non EU International
Degree of contribution: Researcher
Entity where project took place: University College London **Type of entity:** University
City of entity: London, United Kingdom
Name principal investigator (PI, Co-PI....): John Hardy
Nº of researchers: 2
Funding entity or bodies: Amyotrophic Lateral Sclerosis Association **Type of entity:** Associations and Groups
City funding entity: United States of America
Name of the programme: ALS Association Initiated award
Code according to the funding entity: 2109
Start-End date: 01/11/2012 - 30/06/2013 **Duration:** 8 months
Total amount: 50.902 €
Dedication regime: Full time

9 **Name of the project:** INTERACCIONES ENTRE Ca²⁺/CALMODULINA Y LAS RUTAS DE SUPERVIVENCIA/MUERTE EN CÉLULAS EXTRANEURALES DE PACIENTES DE ALZHEIMER Y OTRAS DEMENCIAS
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Current university student
Entity where project took place: Centro de Investigaciones Biológicas **Type of entity:** State agency
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): Angeles Martin Requero
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Ministerio
City funding entity: Madrid, Community of Madrid, Spain
Name of the programme: Convocatoria de proyectos de investigacion fundamental no orientada
Code according to the funding entity: SAF2007-62405
Start-End date: 2007 - 2010 **Duration:** 3 years
Dedication regime: Full time



- 10** **Name of the project:** CICLO CELULAR Y FISIOPATOLOGÍA DE LA ENFERMEDAD DE ALZHEIMER. RELEVANCIA DE ESTUDIOS EN CÉLULAS EXTRANEURALES
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Current university student
Entity where project took place: Centro de Investigaciones Biológicas **Type of entity:** State agency
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): Angeles Martin Requero
N° of researchers: 3
Funding entity or bodies: Obra social Caja Segovia **Type of entity:** Foundation
Name of the programme: Becas de Investigacion Caja Segovia
Start-End date: 2006 - 2007 **Duration:** 1 year
Dedication regime: Full time
- 11** **Name of the project:** MECANISMOS DE REGULACION DE SUPERVIVENCIA/MUERTE EN CÉLULAS EXTRANEURALES DE PACIENTES DE ALZHEIMER Y OTRAS DEMENCIAS
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Current university student
Entity where project took place: Centro de Investigaciones Biológicas **Type of entity:** State agency
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): Angeles Martin Requero
Funding entity or bodies: Fundacion Eugenio Rodriguez Pascual **Type of entity:** Foundation
City funding entity: Madrid, Spain
Name of the programme: AYUDAS A LA INVESTIGACIÓN MÉDICA DE LA FUNDACIÓN EUGENIO RODRÍGUEZ PASCUAL
Start-End date: 2006 - 2007 **Duration:** 1 year
Dedication regime: Full time
- 12** **Name of the project:** MECANISMOS DE REGULACION DEL CICLO DE DIVISION CELULAR EN LA PATOLOGIA DE ALZHEIMER Y OTRAS DEMENCIAS
Type of project: Research and development, including transfer **Geographical area:** National
Degree of contribution: Current university student
Entity where project took place: Centro de Investigaciones Biológicas **Type of entity:** State agency
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): Angeles Martin Requero
Funding entity or bodies: MINISTERIO DE SANIDAD Y CONSUMO
City funding entity: Spain
Name of the programme: Fondo de Investigacion Sanitaria
Code according to the funding entity: PI040312
Start-End date: 2004 - 2007 **Duration:** 3 years
Dedication regime: Full time



13 Name of the project: ESTUDIO DEL POTENCIAL DE PROTECCIÓN FRENTE A DAÑO GENÉTICO DE LOS VINOS DE LA PROVINCIA DE SEGOVIA

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

Geographical area: National

Degree of contribution: Current university student

Entity where project took place: Universidad SEK **Type of entity:** University

City of entity: Segovia, Spain

Name principal investigator (PI, Co-PI....): Pablo Castan Garcia; Samuel Gonzalez Mancebo

Funding entity or bodies:

Obra Social Caja Segovia

Type of entity: Foundation

City funding entity: Segovia, Spain

Name of the programme: Becas de Investigacion Caja Segovia

Start-End date: 2003 - 2004

Duration: 1 year

Dedication regime: Full time

14 Name of the project: Alteraciones del metabolismo glucolipidico y desarrollo de la demencia de Alzheimer

Entity where project took place: FUNDACION PARA LA INVEST. BIOMEDICA DEL HOSPITAL UNIV. DOCE DE OCTUBRE

Name principal investigator (PI, Co-PI....): Camins A; Wandosell F; Torres-Aleman I; Carro E

Nº of researchers: 4

Name of the programme: Proyectos Colaborativos Centrales y de Investigación Translacional (CIBERNED)

Start date: 01/01/2017

Total amount: 200.000 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

1 Fernando Bartolome Robledo; Hsiu-Chuan Wu; Victoria S Burchell; Elisavet Preza; Selina Wray; Colin Mahoney; Nick Fox; Andrea Calvo; Antonio Canosa; Cristina Moglia; Jessica Mandrioli; Adriano Chiò; Richard W Orrell; Henry Houlden; John Hardy; Andrey Y Abramov; Helene Plun-Favreau. Pathogenic VCP mutations induce mitochondrial uncoupling and reduced ATP levels. *Neuron*. 78 - 1, pp. 57 - 64. <http://dx.doi.org/10.1016/j.neuron.2013.02.028>, 2013.

DOI: 10.1016/j.neuron.2013.02.028

PMID: 23498975

Type of production: Scientific paper

Format: Journal

Position of signature: 1

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

Total no. authors: 17

Impact source: ISI

Category: Science Edition - NEUROSCIENCES

Impact index in year of publication: 15.766

Journal in the top 25%: Yes

Position of publication: 5

No. of journals in the cat.: 251

Relevant results: • VCP deficiency is associated with mitochondrial depolarisation. • VCP deficiency leads to increased mitochondrial respiration and uncoupling. • ATP levels are decreased in VCP deficient cells due to lower



ATP production. Comment in: Nat Rev Neurol. 2013 May;9(5):239. doi: 10.1038/nrneurol.2013.64. Epub 2013 Apr 9. Neurodegenerative disease: VCP mutations lead to defects in mitochondrial dynamics.

Reviews in journals: 1

- 2** Bermejo-Pareja, Felix; Del Ser, Teodoro; Valentí, Meritxell; de la Fuente, Monica; Fernando Bartolome; Carro, Eva. Salivary lactoferrin as biomarker for Alzheimer's disease: Brain-immunity interactions. *Alzheimer's & dementia : the journal of the Alzheimer's Association*. 08/2020. Available on-line at: <<http://doi.org/10.1002/alz.12107>>.

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

Corresponding author: Yes
- 3** Marta Gonzalez-Sanchez; Fernando Bartolome; Desiree Antequera; Veronica Puertas-Martin; Pilar Gonzalez; Adolfo Gomez-Grande; Sara Llamas-Velasco; Alejandro Herrero-San Martin; David Perez-Martinez; Alberto Villarejo-Galende; Mercedes Atienza; Miriam Palomar-Bonet; Jose Luis Cantero; George Perry; Gorka Orive; Borja Ibañez; Hector Bueno; Valentin Fuster; Eva Carro. Decreased salivary lactoferrin levels are specific to Alzheimer's disease. *EBioMedicine*. 57, pp. 102834 - 102834. Elsevier {BV}, 07/2020. Available on-line at: <<https://doi.org/10.1016%2Fj.ebiom.2020.102834>>.

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

Corresponding author: Yes
- 4** Fernando Bartolome; Agnieszka Krzyzanowska; Macarena de la Cueva; Consuelo Pascual; Desiree Antequera; Carlos Spuch; Alberto Villarejo-Galende; Alberto Rabano; Juan Fortea; Daniel Alcolea; Alberto Lleo; Isidro Ferrer; John Hardy; Andrey Y. Abramov; Eva Carro. Annexin A5 prevents amyloid- β -induced toxicity in choroid plexus: implication for Alzheimer's disease. *Scientific Reports*. 10 - 1, Springer Science and Business Media {LLC}, 06/2020. Available on-line at: <<https://doi.org/10.1038%2Fs41598-020-66177-5>>.

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

Corresponding author: Yes
- 5** González-Sánchez, Marta; Jiménez, Javier; Narváez, Arantzas; Antequera, Desiree; Llamas-Velasco, Sara; Herrero-San Martín, Alejandro; Molina Arjona, Jose Antonio; López de Munain, Adolfo; Lleó Bisa, Alberto; Marco M Pilar; Rodríguez-Núñez, Montserrat; Pérez-Martínez, David Andres; Villarejo-Galende, Alberto; Bartolome, Fernando; Domínguez, Elena; Carro, Eva. Kynurenic Acid Levels are Increased in the CSF of Alzheimer's Disease Patients. *Biomolecules*. 04/2020. Available on-line at: <<http://doi.org/10.3390/biom10040571>>.

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

Corresponding author: Yes
- 6** Fernando Bartolome; Loreto Martinez-Gonzalez; Carmen Rodriguez-Cueto; Diego Cabezudo; Fernando Bartolome; Pol Andras-Benito; Isidro Ferrer; Carmen Gil; Ángeles Martin-Requero; Javier Fernandez-Ruiz; Ana Martinez; Eva de Lago. Motor neuron preservation and decrease of in vivo TDP-43 phosphorylation by protein CK-1 δ kinase inhibitor treatment. *Scientific Reports*. 03/2020. Available on-line at: <<http://doi.org/10.1038/s41598-020-61265-y>>.

Type of production: Scientific paper **Format:** Journal
- 7** Fernando Bartolome; Desiree Antequera; Macarena de la Cueva; Marcos Rubio Fernandez; Nerea Castro; Consuelo Pascual; Antoni Camins; Eva Carro. Endothelial-specific deficiency of megalin in the brain protects mice against high-fat diet challenge. *Journal of neuroinflammation*. 17 - 1, 01/2020. ISSN 1742-2094

DOI: 10.1186/s12974-020-1702-2

PMID: 31937343

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 8 **Corresponding author:** Yes



- 8** Emilio Nuñez Borque; Pedro González Naranjo; Fernando Bartolomé; Carolina Alquézar; Alejandro Reinares Sebastián; Concepción Pérez; María L Ceballos; Juan A Páez; Nuria E Campillo; Ángeles Martín Requero. Targeting Cannabinoid Receptor Activation and BACE-1 Activity Counteracts TgAPP Mice Memory Impairment and Alzheimer's Disease Lymphoblast Alterations. *Molecular neurobiology*. 01/2020. ISSN 1559-1182
DOI: 10.1007/s12035-019-01813-4
PMID: 31898159
Type of production: Scientific paper
- 9** Diana Posa; Loreto Martinez Gonzalez; Fernando Bartolome; Siranjeev Nagaraj; Gracia Porras; Ana Martinez; Angeles Martin Requero. Recapitulation of Pathological TDP-43 Features in Immortalized Lymphocytes from Sporadic ALS Patients. *Molecular Neurobiology*. 20/07/2018. ISSN 0893-7648
DOI: 10.1007/s12035-018-1249-8
PMID: 30030753
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 10** Patricia Del Cerro; Carolina Alquézar; Fernando Bartolomé; Pedro González Naranjo; Concepción Pérez; Eva Carro; Juan A Páez; Nuria E Campillo; Ángeles Martín Requero. Activation of the Cannabinoid Type 2 Receptor by a Novel Indazole Derivative Normalizes the Survival Pattern of Lymphoblasts from Patients with Late-Onset Alzheimer's Disease. *CNS drugs. (New Zealand)*: 07/05/2018. ISSN 1179-1934
DOI: 10.1007/s40263-018-0515-7
PMID: 29736745
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 9
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 11** Marta Gonzalez Sanchez; Teresa Diaz; Consuelo Pascual; Desiree Antequera; Alejandro Herrero San Martin; Sara LLamas Velasco; Alberto Villarejo Galende; Fernando Bartolome; Eva Carro. Platelet Proteomic Analysis Revealed Differential Pattern of Cytoskeletal- and Immune-Related Proteins at Early Stages of Alzheimer's Disease. *Molecular Neurobiology*. 30/03/2018. ISSN 1559-1182
DOI: <https://doi.org/10.1007/s12035-018-1039-3>
Type of production: Scientific paper
Corresponding author: Yes
Format: Journal
- 12** Fernando Bartolome; Macarena de la Cueva; Consuelo Pascual; Desiree Antequera; Tamara Fernandez; Carmen Gil; Ana Martinez; Eva Carro. Amyloid β -induced impairments on mitochondrial dynamics, hippocampal neurogenesis, and memory are restored by phosphodiesterase 7 inhibition. *Alzheimer's research & therapy*. 10 - 1, pp. 24. 20/02/2018. ISSN 1758-9193
DOI: 10.1186/s13195-018-0352-4
PMID: 29458418
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 8
Corresponding author: Yes
- 13** Eva Carro; Fernando Bartolomé; Félix Bermejo Pareja; Alberto Villarejo Galende; José Antonio Molina; Pablo Ortiz; Miguel Calero; Alberto Rabano; José Luis Cantero; Gorka Orive. Early diagnosis of mild cognitive impairment and Alzheimer's disease based on salivary lactoferrin. *Alzheimer's & dementia (Amsterdam, Netherlands)*. 8, pp. 131 - 138. 26/05/2017. ISSN 2352-8729
DOI: 10.1016/j.dadm.2017.04.002
PMID: 28649597

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 10

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

Corresponding author: No

- 14** Marthe Hr Ludtmann; Charles Arber; Fernando Bartolome; Macarena de Vicente; Elisavet Preza; Eva Carro; Henry Houlden; Sonia Gandhi; Selina Wray; Andrey Y Abramov. Mutations in valosin-containing protein (VCP) decrease ADP/ATP translocation across the mitochondrial membrane and impair energy metabolism in human neurons. The Journal of biological chemistry. 30/03/2017. ISSN 1083-351X

DOI: 10.1074/jbc.M116.762898

PMID: 28360103

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 10

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

- 15** Fernando Bartolome; Noemi Esteras; Angeles Martin-Requero; Claire Boutoleau-Bretonniere; Martine Vercelletto; Audrey Gabelle; Isabelle Le Ber; Tadashi Honda; Alben Dinkova-Kostova; John Hardy; Eva Carro; Andrey Abramov. Pathogenic p62/SQSTM1 mutations impair energy metabolism through limitation of mitochondrial substrates. Scientific Reports. 7 - 1666, 30/03/2017. ISSN 2045-2322

DOI: 10.1038/s41598-017-01678-4

PMID: 28490746

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 12

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

Corresponding author: Yes

- 16** Fernando Bartolome; Desiree Antequera; Eva Tavares; Consuelo Pascual; Rosario Maldonado; Antoni Camins; Eva Carro. Obesity and neuroinflammatory phenotype in mice lacking endothelial megalin. Journal of neuroinflammation. 14 - 1, pp. 26. 31/01/2017. ISSN 1742-2094

DOI: 10.1186/s12974-017-0800-2.

PMID: 28143489

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 7

- 17** Noemi Esteras Gallego; Carolina Alquezar Burillo; Fernando Bartolome Robledo; Ana de la Encarnacion; Felix Bermejo Pareja; Jose Antonio Molina Arjona; Angeles Martin Requero. G1/S Cell Cycle Checkpoint Dysfunction in Lymphoblasts from Sporadic Parkinson's Disease Patients. Molecular Neurobiology. 52 - 1, pp. 386 - 398. 2015.

DOI: 10.1007/s12035-014-8870-y

PMID: 25182869

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 7

Format: Journal

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

- 18** K. J. Kinghorn; J. I. Castillo-Quan; F. Bartolome; P. R. Angelova; L. Li; S. Pope; H. M. Cochemé; S. Khan; S. Asghari; K. P. Bhatia; J. Hardy; A. Y. Abramov; L. Partridge. Loss of PLA2G6 leads to elevated mitochondrial lipid peroxidation and mitochondrial dysfunction. Brain. 138 - Pt 7, pp. 1801 - 16. 2015.

DOI: 10.1093/brain/awv132

PMID: 26001724

Type of production: Scientific paper

Position of signature: 3

Format: Journal



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

Total no. authors: 13

- 19** F. Bartolomé; A. Y. Abramov. Measurement of mitochondrial NADH and FAD autofluorescence in live cells. *Methods Mol Biol.* 1264, pp. 263 - 70. 2015.

DOI: 10.1007/978-1-4939-2257-4_23

PMID: 25631020

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 2

Corresponding author: Yes

- 20** G. Charlesworth; P. R. Angelova; F. Bartolomé-Robledo; M. Ryten; D. Trabzuni; M. Stamelou; A. Y. Abramov; K. P. Bhatia; N. W. Wood. Mutations in HPCA Cause Autosomal-Recessive Primary Isolated Dystonia. *Am J Hum Genet.* 96 - 4, pp. 657 - 665. 2015.

DOI: 10.1016/j.ajhg.2015.02.007

PMID: 25799108

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 9

- 21** C. Alquézar; E. Barrio; N. Esteras; A. de la Encarnación; F. Bartolomé; J. A. Molina; Á Martín-Requero. Targeting cyclin D3/CDK6 activity for treatment of Parkinson's disease. *J Neurochem.* 133 - 6, pp. 886 - 897. 2015.

DOI: 10.1111/jnc.13070

PMID: 25689470

Type of production: Scientific paper

Format: Journal

Position of signature: 5

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

Total no. authors: 7

- 22** Carolina Alquezar; Noemi Esteras Gallego; Fernando Bartolome Robledo; Jose Joaquin Merino; Ainoa Alzualde; Adolfo Lopez de Munain; Angeles Martin Requero. Alteration in cell cycle-related proteins in lymphoblasts from carriers of the c.709-1G>A PGRN mutation associated with FTLD-TDP dementia. *Neurobiol Aging.* 33 - 2, pp. 429e7 - 429e20. 2012.

DOI: 10.1016/j.neurobiolaging.2010.11.020

PMID: 21232819

Type of production: Scientific paper

Format: Journal

Position of signature: 3

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

Total no. authors: 7

Impact source: ISI

Category: Science Edition - GERIATRICS & GERONTOLOGY

Impact index in year of publication: 6.189

Journal in the top 25%: Yes

Position of publication: 2

No. of journals in the cat.: 45

Impact source: ISI

Category: Science Edition - NEUROSCIENCES

Impact index in year of publication: 6.189

Journal in the top 25%: Yes

Position of publication: 23

No. of journals in the cat.: 244

Source of citations: SCOPUS

Citations: 1



- 23** Noemi Esteras Gallego; Ursula Muñoz Moron; Carolina Alquezar; Fernando Bartolome Robledo; Felix Bermejo Pareja; Angeles Martin Requero. Altered calmodulin degradation and signaling in non-neuronal cells from Alzheimer's disease patients. *Curr Alzheimer Res.* 9 - 3, pp. 267 - 277. 2012.
DOI: 10.2174/156720512800107564
PMID: 22044025
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3.953
Position of publication: 32
Impact source: ISI
Impact index in year of publication: 3.953
Position of publication: 63
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - CLINICAL NEUROLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 192
Category: Science Edition - NEUROSCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 244
- 24** Noemi Esteras Gallego; Fernando Bartolome Robledo; Carolina Alquezar; Desiree Desiree; Ursula Muñoz Moron; Eva Carro; Angeles Martin Requero. Altered cell cycle-related gene expression in brain and lymphocytes from a transgenic mouse model of Alzheimer's disease [amyloid precursor protein/presenilin 1 (PS1)]. *Eur J Neurosci.* 36 - 5, pp. 2609 - 2618. 2012.
DOI: 10.1111/j.1460-9568.2012.08178.x
PMID: 22702220
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.631
Position of publication: 80
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - NEUROSCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 244
- 25** Noemi Esteras Gallego; Carolina Alquezar; Fernando Bartolome Robledo; Desiree Antequera; Eva Carro; Laura Barrios; Sebastian Cerdan; Angeles Martin Requero. Systematic Evaluation of Magnetic Resonance Imaging and Spectroscopy Techniques for Imaging a Transgenic Model of Alzheimer's disease (A?PP/PS1). *J Alzheimers Dis.* 30 - 2, pp. 337 - 353. 2012.
DOI: 10.3233/JAD-2012-111967
PMID: 22406445
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 3.745
Position of publication: 73
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - NEUROSCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 244
- 26** Natividad de las Cuevas Moreno; Ursula Muñoz Moron; Fernando Bartolome Robledo; Noemi Esteras Gallego; Carolina Alquezar; Angeles Martin Requero. Cell cycle and Alzheimer's disease: studies in non-neuronal cells. *J Appl Biomed.* 8 - 3, pp. 121 - 130. 2010. ISSN 1214-0287
DOI: 10.2478/v10136-009-0015-7
Type of production: Scientific paper
Position of signature: 1
Format: Journal
Degree of contribution: Author or co-author of review



Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 1.689

Position of publication: 162

Source of citations: WOS

Source of citations: SCOPUS

Category: Science Edition - PHARMACOLOGY & PHARMACY

Journal in the top 25%: No

No. of journals in the cat.: 252

Citations: 1

Citations: 1

- 27** Fernando Bartolome Robledo; Ursula Muñoz Moron; Noemi Esteras Gallego; Carolina Alquezar; Andrea Collado Alsina; Felix Bermejo Pareja; Angeles Martin Requero. Simvastatin overcomes the resistance to serum withdrawal-induced apoptosis of lymphocytes from Alzheimer's disease patients. *Cell Mol Life Sci.* 67 - 24, pp. 4257 - 4268. 2010.

DOI: 10.1007/s00018-010-0443-2

PMID: 20614159

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 7.047

Position of publication: 32

Impact source: ISI

Impact index in year of publication: 7.047

Position of publication: 35

Source of citations: SCOPUS

Format: Journal

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

Category: Science Edition - CELL BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 178

Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 286

Citations: 1

- 28** Fernando Bartolome Robledo; Ursula Muñoz Moron; Noemi Esteras Gallego; Jesus Esteban; Felix Bermejo Pareja; Angeles Martin Requero. Distinct regulation of cell cycle and survival in lymphocytes from Alzheimer's disease and Amyotrophic Lateral Sclerosis patients. *Int J Clin Exp Pathol.* 2 - 4, pp. 390 - 398. 2009. ISSN 1936-2625

PMID: 19158936

PMCID: PMC2615596

Type of production: Scientific paper

Position of signature: 1

Impact source: ISI

Impact index in year of publication: 1.893

Position of publication: 39

Source of citations: WOS

Source of citations: SCOPUS

Format: Journal

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

Category: Science Edition - PATHOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 79

Citations: 5

Citations: 5

- 29** Ursula Muñoz Moron; Fernando Bartolome Robledo; Felix Bermejo Pareja; Angeles Martin Requero. Enhanced proteasome-dependent degradation of the CDK inhibitor p27 (kip1) in immortalized lymphocytes from Alzheimer's dementia patients. *Neurobiol Aging.* 29 - 10, pp. 1474 - 1484. 2008.

DOI: 10.1016/j.neurobiolaging.2007.03.013

PMID: 17448572



Type of production: Scientific paper
Position of signature: 2

Impact source: ISI
Impact index in year of publication: 5.959
Position of publication: 21

Impact source: ISI

Impact index in year of publication: 5.959
Position of publication: 3

Source of citations: WOS

Source of citations: SCOPUS

Format: Journal

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

Category: Science Edition - NEUROSCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 221

Category: Science Edition - GERIATRICS & GERONTOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 36

Citations: 12

Citations: 13

- 30** Simone Giovanni Sala; Ursula Muñoz Moron; Fernando Bartolome Robledo; Felix Bermejo Pareja; Angeles Martin Requero. HMG-CoA reductase inhibitor simvastatin inhibits cell cycle progression at the G1/S checkpoint in immortalized lymphocytes from Alzheimer's disease patients independently of cholesterol-lowering effects. *J Pharmacol Exp Ther.* 324 - 1, pp. 352 - 359. 2008.

DOI: 10.1124/jpet.107.128959

PMID: 17928568

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 4.309

Position of publication: 32

Source of citations: WOS

Source of citations: SCOPUS

Format: Journal

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

Category: Science Edition - PHARMACOLOGY & PHARMACY

Journal in the top 25%: Yes

No. of journals in the cat.: 219

Citations: 9

Citations: 11

- 31** Ursula Muñoz Moron; Fernando Bartolome Robledo; Noemi Esteras Gallego; Felix Bermejo Pareja; Angeles Martin Requero. On the mechanism of inhibition of p27 degradation by 15-deoxy-Delta(12,14)-prostaglandin J (2) in lymphoblasts of Alzheimer's disease patients. *Cell Mol Life Sci.* 65 - 21, pp. 3507 - 3519. 2008.

DOI: 10.1007/s00018-008-8411-9

PMID: 18818877

Type of production: Scientific paper

Position of signature: 2

Impact source: ISI

Impact index in year of publication: 5.511

Position of publication: 33

Impact source: ISI

Impact index in year of publication: 5.511

Position of publication: 42

Source of citations: WOS

Source of citations: SCOPUS

Format: Journal

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

Category: Science Edition - CELL BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 157

Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 275

Citations: 3

Citations: 2



- 32** Fernando Bartolome Robledo; Natividad de las Cuevas Moreno; Ursula Muñoz Moron; Felix Bermejo Pareja; Angeles Martin Requero. Impaired apoptosis in lymphoblasts from Alzheimer's disease patients: cross-talk of Ca²⁺/calmodulin and ERK1/2 signaling pathways. *Cell Mol Life Sci.* 64 - 11, pp. 1437 - 1448. 2007.
DOI: 10.1007/s00018-007-7081-3
PMID: 17502994
Type of production: Scientific paper
Position of signature: 1
Impact source: ISI
Impact index in year of publication: 5.239
Position of publication: 35
Impact source: ISI
Impact index in year of publication: 5.239
Position of publication: 45
Source of citations: WOS
Source of citations: SCOPUS
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - CELL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 156
Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 263
Citations: 11
Citations: 12
- 33** Ursula Muñoz Moron; Natividad de las Cuevas Moreno; Fernando Bartolome Robledo; Ofelia G Hermida; Felix Bermejo Pareja; Angeles Martin Requero. The cyclopentenone 15-deoxy-delta (12,14)-prostaglandin J2 inhibits G1/S transition and retinoblastoma protein phosphorylation in immortalized lymphocytes from Alzheimer's disease patients. *Exp Neurol.* 195 - 2, pp. 508 - 517. 2005.
DOI: 10.1016/j.expneurol.2005.06.010
PMID: 16061222
Type of production: Scientific paper
Position of signature: 3
Impact source: ISI
Impact index in year of publication: 4.699
Position of publication: 49
Source of citations: WOS
Source of citations: SCOPUS
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - NEUROSCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 244
Citations: 7
Citations: 8
- 34** Angeles Martin Requero; Fernando Bartolome Robledo; Ursula Muñoz Moron. ¿Es la enfermedad de Alzheimer un síndrome pseudoneoplásico?. *Becas de Investigacion Caja Segovia.* 47, pp. 1 - 49. Segovia, Castile and León(Spain): Obra Social Caja Segovia, 2007. ISBN 978-84-96145-94-8
Collection: Becas de Investigacion Caja Segovia
Type of production: Scientific book or monograph
Position of signature: 2
- Format:** Book
Degree of contribution: Author or co-author of entire book
- 35** Fernando Bartolome Robledo; Pablo Castan; Samuel Gonzalez Mancebo. Efecto antioxidante de vinos de la provincia de Segovia. *Becas de Investigacion Caja Segovia.* 35, pp. 1 - 56. Segovia, Castile and León(Spain): Obra Social Caja Segovia, 2005. ISBN 84-96145-50-6
Collection: Becas de Investigacion Caja Segovia
Type of production: Scientific book or monograph
Position of signature: 1
- Format:** Book



Degree of contribution: Author or co-author of entire book

Works submitted to national or international conferences

- 1** **Title of the work:** Analysis of pathological mechanisms associated to Sor11 deficiency in cells
Name of the conference: VII International Congress on Innovation and Research in Neurodegenerative Diseases (CIIEN)
Corresponding author: Yes
City of event: Valencia, Spain
Date of event: 17/09/2019
End date: 20/09/2019
Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Fernando Bartolome; Macarena de la Cueva; Marta Gonzalez Sanchez; Desiree Antequera; Alberto Villarejo Galende; Eva Carro.
- 2** **Title of the work:** Analysis of pathological mechanisms associated to Sor11 deficiency in cells
Name of the conference: 14th International Conference on Alzheimer's and Parkinson's Diseases (AD/PD)
Corresponding author: Yes
City of event: Lisbon, Portugal
Date of event: 26/03/2019
End date: 31/03/2019
Organising entity: Kenes International Organizers of Congresses Ltd.
Fernando Bartolome; Macarena de la Cueva; Marta Gonzalez Sanchez; Desiree Antequera; Alberto Villarejo Galende; Eva Carro.
- 3** **Title of the work:** Decreased salivary lactoferrin levels are specific to Alzheimer's disease
Name of the conference: 14th International Conference on Alzheimer's and Parkinson's Diseases (AD/PD)
Corresponding author: No
City of event: Lisbon, Portugal
Date of event: 26/03/2019
End date: 31/03/2019
Organising entity: Kenes International Organizers of Congresses Ltd.
Marta Gonzalez Sanchez; Desiree Antequera; Veronica Puertas Martin; Pilar Gonzalez; Adolfo Lopez Grande; Sara Llamas Velasco; Alejandro Herrero San Martin; David Perez Martinez; Alberto Villarejo Galende; Hector Bueno; Fernando Bartolome; Eva Carro.
- 4** **Title of the work:** Differential protein expression in platelets from subjects with Mild Cognitive Impairment and Alzheimer's disease
Name of the conference: VI INTERNATIONAL CONGRESS ON RESEARCH AND INNOVATION IN NEURODEGENERATIVE DISEASES
Corresponding author: Yes
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 19/09/2018
End date: 21/09/2018
Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Marta Gonzalez; Teresa Diaz; Consuelo Pascual; Sara Llamas; Alejandro Herrero; David Perez; Alberto Villarejo; Eva Carro; Fernando Bartolome.



- 5** **Title of the work:** Oral administration of PDE7 inhibitor rescues amyloid beta-induced deficits in memory and hippocampal neurogenesis
Name of the conference: VI INTERNATIONAL CONGRESS ON RESEARCH AND INNOVATION IN NEURODEGENERATIVE DISEASES
Corresponding author: No
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 19/09/2018
End date: 21/09/2018
Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Fernando Bartolome; Macarena de Vicente; Consuelo Pascual; Desiree Antequera; Tamara Fernandez; Carmen Gil; Ana Martinez; Eva Carro.
- 6** **Title of the work:** ANNEXIN V INHIBITS BETA-AMYLOID-INDUCED CYTOTOXICITY IN CHOROID PLEXUS: IMPLICATIONS FOR ALZHEIMER'S DISEASE
Name of the conference: Alzheimer's Global Summit Lisbon 2017
Corresponding author: Yes
City of event: Lisbon, Lisboa, Portugal
Date of event: 20/09/2017
End date: 22/09/2017
Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Fernando Bartolome; Agnieszka Krzyzanowska; Consuelo Pascual; Desiree Antequera; Ines Garcia-Consuegra; Alberto Villarejo; Alberto Rabano; Andrey Y Abramov; Isidro Ferrer; Eva Carro.
- 7** **Title of the work:** Annexin V prevents beta-amyloid-induced toxicity in choroid plexus: implications for Alzheimer's disease
Name of the conference: Alzheimer's Association International Conference
Corresponding author: Yes
City of event: London, Inner London, United Kingdom
Date of event: 16/07/2017
End date: 20/07/2017
Organising entity: Alzheimer's Association
Fernando Bartolome; Agnieszka Krzyzanowska; Consuelo Pascual; Desiree Antequera; Ines Garcia Consuegra; Alberto Villarejo; Alberto Rabano; Andrey Y Abramov; Isidro Ferrer; Eva Carro.
- 8** **Title of the work:** Differential protein expression in platelets from subjects with Mild Cognitive Impairment and Alzheimer's disease
Name of the conference: Alzheimer's Association International Conference
Corresponding author: Yes
City of event: London, Inner London, United Kingdom
Date of event: 16/07/2017
End date: 20/07/2017
Organising entity: Alzheimer's Association
Marta Gonzalez; Teresa Diaz; Consuelo Pascual; Sara Llamas; Alejandro Herrero; David Perez; Alberto Villarejo; Eva Carro; Fernando Bartolome.
- 9** **Title of the work:** ANNEXIN V INHIBITS BETA-AMYLOID-INDUCED CYTOTOXICITY IN CHOROID PLEXUS: IMPLICATIONS FOR ALZHEIMER'S DISEASE
Name of the conference: 13th International Conference on Alzheimer's and Parkinson's Diseases
Corresponding author: Yes
City of event: Vienna, Austria
Date of event: 29/03/2017
End date: 02/04/2017



Organising entity: Kenes International Organizers of Congresses Ltd.

Fernando Bartolome; Agnieszka Krzyzanowska; Consuelo Pascual; Desiree Antequera; Ines Garcia Consuegra; Alberto Villarejo; Alberto Rabano; Andrey Y Abramov; Isidro Ferrer; Eva Carro.

10 Title of the work: OBESITY AND NEUROINFLAMMATORY PHENOTYPE IN MICE LACKING ENDOTHELIAL MEGALIN

Name of the conference: 13th International Conference on Alzheimer's and Parkinson's Diseases

Corresponding author: No

City of event: Vienna, Austria

Date of event: 29/03/2017

End date: 02/04/2017

Organising entity: Kenes International Organizers of Congresses Ltd.

Fernando Bartolome; Desiree Antequera; Eva Tavares; Consuelo Pascual; Rosario Maldonado; Antonio Camins; Eva Carro.

11 Title of the work: ORAL ADMINISTRATION OF PDE7 INHIBITOR RESCUES AMYLOID BETA-INDUCED DEFICITS IN MEMORY AND HIPPOCAMPAL NEUROGENESIS

Name of the conference: 13th International Conference on Alzheimer's and Parkinson's Diseases

Corresponding author: No

City of event: Vienna, Austria

Date of event: 29/03/2017

End date: 02/04/2017

Organising entity: Kenes International Organizers of Congresses Ltd.

Fernando Bartolome; Macarena de Vicente; Consuelo Pascual; Desiree Antequera; Tamara Fernandez; Carmen Gil; Ana Martinez; Eva Carro.

12 Title of the work: PROGRANULIN DEFICIENCY IS ASSOCIATED TO REDUCED MITOCHONDRIAL RESPIRATION AND LOWER ATP LEVELS IN THE HUMAN DOPAMINERGIC NEUROBLASTOMA CELL LINE SH-SY5Y

Name of the conference: 13th International Conference on Alzheimer's and Parkinson's Diseases

Corresponding author: Yes

City of event: Vienna, Austria

Date of event: 29/03/2017

End date: 02/04/2017

Organising entity: Kenes International Organizers of Congresses Ltd.

Fernando Bartolome; Ana de la Encarnacion; Carolina Alquezar; Eva Carro; Angeles Martin Requero.

13 Title of the work: Impaired Cellular Respiration in a Neuronal Model of Progranulin deficient Frontotemporal Lobar Degeneration

Name of the conference: X reunion Anual 2017 CIBERER

Corresponding author: Yes

City of event: El Escorial, Community of Madrid, Spain

Date of event: 23/03/2017

End date: 24/03/2017

Organising entity: CIBER ENFERMEDADES RARAS (CIBERER)

Fernando Bartolome; Ana de la Encarnacion; Carolina Alquezar; Gracia Porrás; Angeles Martin Requero.

14 Title of the work: p62/SQSTM1 mutations causing ALS/FTD impair energy metabolism through limitation of mitochondrial substrates

Name of the conference: 7th World Congress on Targeting Mitochondria 2016

Corresponding author: Yes

City of event: Berlin, Berlin, Germany



Date of event: 24/10/2016

End date: 26/10/2016

Organising entity: World Mitochondria Society

Fernando Bartolome; Noemi Esteras; Eva Carro; John Hardy; Andrey Y Abramov.

15 Title of the work: Energy deprivation in human neurons bearing VCP mutations is caused by deregulation of ATP/ADP translocation

Name of the conference: IV Congreso Internacional de Investigación e Innovación en Enfermedades Neurodegenerativas

Corresponding author: Yes

City of event: Alicante, Valencian Community, Spain

Date of event: 21/09/2016

End date: 23/09/2016

Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)

Fernando Bartolome; Marthe Ludtmann; Charlie Arber; Macarena de Vicente; Elisavet Preza; Eva Carro; Henry Houlden; Sonia Gandhi; Selina Wray; Andrey Y Abramov.

16 Title of the work: p62/SQSTM1 mutations induce limitation of mitochondrial substrates and energy metabolism impairments

Name of the conference: UK Neuromuscular Translational Research Conference 2016

City of event: Oxford, United Kingdom

Date of event: 22/03/2016

End date: 23/03/2016

Organising entity: MRC Centre for Neuromuscular Diseases

Fernando Bartolome Robledo; Noemi Esteras Gallego; Tadashi Honda; Albenka Dinkova-Kostova; John Hardy; Eva Carro Diaz; Andrey Abramov.

17 Title of the work: p62/SQSTM1 DEFICIENCY IS ASSOCIATED TO MITOCHONDRIAL DISTURBANCES

Name of the conference: III Congreso Internacional de Investigación e Innovación en Enfermedades Neurodegenerativas

City of event: Malaga, Spain

Date of event: 21/09/2015

End date: 23/09/2015

Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)

Fernando Bartolome Robledo; Eva Carro Diaz; John Hardy; Helene Plun-Favreau; Andrey Abramov.

18 Title of the work: p62/SQSTM1 deficiency is associated to mitochondrial disturbances

Name of the conference: 12th International Conference on Alzheimer's and Parkinson's Diseases

City of event: Nice, France

Date of event: 18/03/2015

End date: 22/03/2015

Organising entity: AD/PD

Fernando Bartolome Robledo; Eva Carro Diaz; John Hardy; Helene Plun-Favreau; Andrey Abramov.

19 Title of the work: The role of VCP in mitochondrial physiology and pathology

Name of the conference: Mitochondria: from signalling to disease

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Lisbon, Portugal

Date of event: 05/05/2013

End date: 07/05/2013



Organising entity: Cell Symposia

Type of entity: Associations and Groups

Fernando Bartolome Robledo; John Hardy; Helene Plun-Favreau; Andrey Y Abramov.

- 20** **Title of the work:** VCP deficiency induces mitochondrial uncoupling and lower ATP levels
Name of the conference: Biophysical Society 57th Annual Meeting
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Philadelphia (Pennsylvania), United States of America
Date of event: 02/02/2013
End date: 06/02/2013
Organising entity: Biophysical Society **Type of entity:** Associations and Groups
City organizing entity: Rockville (Maryland), United States of America
Fernando Bartolome Robledo; John Hardy; Helene Plun-Favreau; Andrey Y Abramov.

- 21** **Title of the work:** VCP deficiency induces mitochondrial uncoupling and lower ATP levels
Name of the conference: 3rd World Congress on Targeting Mitochondria. Strategies, Innovations and Clinical Applications
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Berlin, Germany
Date of event: 08/11/2012
End date: 09/11/2012
Organising entity: International Society of Antioxidants in Nutrition and Health
With external admission assessment committee: Yes
Fernando Bartolome Robledo; John Hardy; Helene Plun-Favreau; Andrey Y Abramov.

- 22** **Title of the work:** Valosin containing protein (VCP) deficiency induces mitochondrial uncoupling and altered ATP levels
Name of the conference: XI School of pharmacology "Teofilo Hernando". New concepts and strategies for neuroprotection
Type of event: Summer school **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Santander, Cantabria, Spain
Date of event: 23/07/2012
End date: 27/07/2012
Organising entity: Universidad Internacional **Type of entity:** University
Menéndez Pelayo
With external admission assessment committee: Yes
Fernando Bartolome Robledo; John Hardy; Helene Plun-Favreau; Andrey Y Abramov.

- 23** **Title of the work:** VCP deficiency induces mitochondrial uncoupling and lower ATP levels.
Name of the conference: UCL Neuroscience Symposium
Type of event: Symposium
Type of participation: 'Participatory - poster
City of event: London, Inner London, United Kingdom
Date of event: 29/06/2012
End date: 29/06/2012
Organising entity: University College London
Fernando Bartolome Robledo; John Hardy; Helene Plun-Favreau; Andrey Y Abramov.



- 24** **Title of the work:** Progranuline promotes repair in cortical neurons in vitro under excitotoxic conditions and its haploinsufficiency increases soluble fractalkine levels in human with frontotemporal dementia
Name of the conference: BioStar 2010–Science in Exchange. 4th Congress on Regenerative Biology and Medicine
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Stuttgart, Germany
Date of event: 13/10/2010
End date: 15/10/2010
Organising entity: BioStar 2010–Science in Exchange Meeting Abstracts 4th Congress on Regenerative Biology and Medicine October
Jose Joaquin Merino; Fernando Bartolome Robledo; Maria Teresa Vallejo Cremades; Marco; Eduardo de Miguel; Ainoa Alzualde; Adolfo Lopez de Munain; Angeles Martin Requero; Sinfiorano J Posadas.
- 25** **Title of the work:** La simvastatina (SIM) revierte la resistencia a la apoptosis inducida por la privación de suero en linfocitos inmortalizados de pacientes con enfermedad de Alzheimer (EA)
Name of the conference: XXXII Congress of the Spanish Society on Biochemistry and Molecular Biology (SEBBM)
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Oviedo, Principality of Asturias, Spain
Date of event: 09/2009
Organising entity: Sociedad Española de Bioquímica y Biología Molecular **Type of entity:** Associations and Groups
Fernando Bartolome Robledo; Carolina Alquezar; Andrea Collado Alsina; Noemi Esteras Gallego; Ursula Muñoz Moron; Angeles Martin Requero.
- 26** **Title of the work:** Alteraciones en los mecanismos de regulación de supervivencia/muerte de células periféricas de pacientes de Alzheimer y de esclerosis lateral amiotrófica.
Name of the conference: XXXI Congress of the Spanish Society on Biochemistry and Molecular Biology (SEBBM)
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Bilbao, Basque Country, Spain
Date of event: 09/2008
Organising entity: Sociedad Española de Bioquímica y Biología Molecular (SEBBM) **Type of entity:** Associations and Groups
Fernando Bartolome Robledo; Ursula Muñoz Moron; Noemi Esteras Gallego; Jesus Esteban; Felix Bermejo Pareja; Angeles Martin Requero.
- 27** **Title of the work:** PPAR gamma-independent inhibition of PI3K/Akt by 15-deoxy-delta 12,14-prostaglandin J2 increases p27kip1 protein levels in immortalized lymphocytes from Alzheimer's disease patients.
Name of the conference: III Meeting on the Molecular Mechanisms of Neurodegeneration
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Milan, Italy
Date of event: 05/2007
Organising entity: Universidad de Milan **Type of entity:** University
Ursula Muñoz Moron; Fernando Bartolome Robledo; Felix Bermejo Pareja; Angeles Martin Requero.



- 28** **Title of the work:** Papel de la interacción entre las vías de señalización Ca²⁺/Calmodulina, PI3K/Akt y ERK1/2 en el control de supervivencia/muerte celular en linfoblastos de pacientes de Alzheimer
Name of the conference: XXIX Congress of the Spanish Society on Biochemistry and Molecular Biology (SEBBM)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Elche, Valencian Community, Spain
Date of event: 09/2006
Organising entity: Sociedad Española de Bioquímica y Biología Molecular **Type of entity:** Associations and Groups
Ursula Muñoz Moron; Fernando Bartolome Robledo; Simone G Sala; Angeles Martin Requero.
- 29** **Title of the work:** Ca²⁺/Calmodulin-mediated modulation of ERK1/2 activation regulates survival of lymphoblasts from patients with Alzheimer dementia
Name of the conference: X International Conference on Alzheimer's disease and related disorders (ICAD)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Madrid, Community of Madrid, Spain
Date of event: 07/2006
Organising entity: Alzheimer's Association **Type of entity:** Associations and Groups
City organizing entity: United States of America
Publication in conference proceedings: Yes
Type of contribution: Scientific paper
Angeles Martin Requero; Fernando Bartolome Robledo; Natividad de las Cuevas Moreno; Ursula Muñoz Moron; Felix Bermejo Pareja. "Ca²⁺/Calmodulin-mediated modulation of Erk1/2 activation regulates survival of lymphoblasts from patients with Alzheimer's dementia.". En: Alzheimer's Disease: New Advances.. pp. 349 - 353. (Italy): Medimond S.r.l. (Bologna, Italy), 2006.
- 30** **Title of the work:** Alteración en la degradación de p27kip1 en el proteasoma en linfocitos inmortalizados de pacientes de Alzheimer
Name of the conference: XXVIII Congress of the Spanish Society on Biochemistry and Molecular Biology (SEBBM)
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Zaragoza, Aragon, Spain
Date of event: 09/2005
Organising entity: Sociedad Española de Bioquímica y Biología Molecular **Type of entity:** Associations and Groups
Ursula Muñoz Moron; Fernando Bartolome Robledo; Natividad de las Cuevas Moreno; Angeles Martin Requero.
- 31** **Title of the work:** Papel de Ca²⁺/Calmodulina en el control de supervivencia/muerte celular en linfocitos inmortalizados de pacientes de Alzheimer
Name of the conference: XXVIII Congress of the Spanish Society on Biochemistry and Molecular Biology (SEBBM)
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Zaragoza, Aragon, Spain
Date of event: 09/2005
Organising entity: Sociedad Española de Bioquímica y Biología Molecular **Type of entity:** Associations and Groups
Fernando Bartolome Robledo; Natividad de las Cuevas Moreno; Ursula Muñoz Moron; Angeles Martin Requero.



- 32** **Title of the work:** Enhanced proteasome-dependent degradation of the CDK inhibitor p27kip1 in immortalized lymphocytes from Alzheimer's dementia patients
Name of the conference: 30th Congress of the Federation-of-European-Biochemical-Societies (FEBS)/9th IUBMB Conference
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Budapest, Hungary
Date of event: 07/2005
Organising entity: Federat European Biochem Soc; Int Union Biochem & Mol Biol
Ursula Muñoz Moron; Natividad de las Cuevas Moreno; Fernando Bartolome Robledo; Angeles Martin Requero. "Enhanced proteasome-dependent degradation of the CDK inhibitor p27kip1 in immortalized lymphocytes from Alzheimer's dementia patients". En: FEBS journal. 272 - 1, pp. 73 - 73.
- 33** **Title of the work:** Efecto de distintos vinos de la provincia de Segovia sobre la genotoxicidad causada por N-nitrosopirrolidina en E. coli
Name of the conference: XIII Scientific Meeting of the Spanish Society on Environmental Mutagenesis (SEMA)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Segovia, Castile and León, Spain
Date of event: 07/2004
Organising entity: SOCIEDAD ESPAÑOLA DE MUTAGENESIS AMBIENTAL
Fernando Bartolome Robledo; Juan Jose Jimenez Martinez; Samuel Gonzalez Mancebo.
- 34** **Title of the work:** Estudio comparativo del efecto genotóxico producido por diferentes nitrosfenoles en el SOS Chromotest en distintas estirpes de E. coli
Name of the conference: XII Scientific Meeting of the Spanish Society on Environmental Mutagenesis (SEMA)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 07/2003
Organising entity: SOCIEDAD ESPAÑOLA DE MUTAGENESIS AMBIENTAL
Ruben Matesanz; Juan Jose Jimenez Martinez; Fernando Bartolome Robledo; Elena Ruano; Jorge Cuellar Perez; Ana Martin Moreno; Samuel Gonzalez Mancebo.
- 35** **Title of the work:** Estudio del efecto protector de distintos vinos de la provincia de Segovia frente a la genotoxicidad causada por N-nitrosopirrolidina
Name of the conference: XII Scientific Meeting of the Spanish Society on Environmental Mutagenesis (SEMA)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 07/2003
Organising entity: SOCIEDAD ESPAÑOLA DE MUTAGENESIS AMBIENTAL
Fernando Bartolome Robledo; Juan Jose Jimenez Martinez; Ruben Matesanz; Pablo Castan; Ana Martin Moreno; Samuel Gonzalez Mancebo.



- 36** **Title of the work:** Evaluación de la genotoxicidad de los nitrosocompuestos formados a partir de antioxidantes hidroquinónicos mediante el SOS Chromotest
Name of the conference: XII Scientific Meeting of the Spanish Society on Environmental Mutagenesis (SEMA)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 07/2003
Organising entity: SOCIEDAD ESPAÑOLA DE MUTAGENESIS AMBIENTAL
Juan Jose Jimenez Martinez; Fernando Bartolome Robledo; Ruben Matesanz; Elena Ruano; Carmen Ruiz; Ana Martin Moreno; Samuel Gonzalez Mancebo.

R&D management and participation in scientific committees

Organization of R&D activities

Title of the activity: XIII Reunión Científica de la Sociedad Española de Mutagénesis Ambiental
Type of activity: Congreso **Geographical area:** National
City of event: Segovia, Castile and León, Spain
Convening entity: SOCIEDAD ESPAÑOLA DE MUTAGENESIS AMBIENTAL
City convening entity: Spain
Type of participation: Secretary

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** University College London
City of entity: London, United Kingdom
Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology; 249000 - Neurosciences
Secondary (UNESCO code): 240603 - Bioenergetics; 240701 - Cell culture; 240902 - Genetic engineering
Start-End date: 16/09/2012 - 25/01/2014 **Duration:** 3 years - 4 months
Funding entity: Amyotrophic Lateral Sclerosis Association (USA) Motor Neuron Disease Association (UK)
Name of programme: ALS Association Initiated award, MND association grant
Goals of the stay: Post-doctoral
Provable tasks: Live microscopy, imaging, neuronal cultures
Acquired skills developed: Live microscopy, imaging, neuronal cultures
Identify key words: Cell physiology; Molecular mechanism of disease; Cell culture; Bioenergetics; Molecular markers and recognition; Genetically modified organisms
- 2** **Entity:** University College London
City of entity: London, United Kingdom
Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241500 - Molecular biology; 249000 - Neurosciences
Secondary (UNESCO code): 240603 - Bioenergetics; 240701 - Cell culture; 240902 - Genetic engineering
Start-End date: 16/09/2010 - 15/09/2012 **Duration:** 2 years
Funding entity: Ministerio de Educacion (Spain)



Name of programme: AYUDAS DE INVESTIGACIÓN POSDOCTORALES DEL SUBPROGRAMA DE AYUDAS DE MOVILIDAD POSDOCTORAL EN CENTROS EXTRANJEROS

Goals of the stay: Post-doctoral

Provable tasks: Live microscopy, imaging, neuronal cultures

Acquired skills developed: Live microscopy, imaging, neuronal cultures

Identify key words: Cell physiology; Molecular mechanism of disease; Cell culture; Bioenergetics; Molecular markers and recognition; Genetically modified organisms

Obtained grants and scholarships

- 1 Name of the grant:** Contratos Postdoctorales de Perfeccionamiento en Investigacion en Salud Sara Borrell
City awarding entity: MADRID, Community of Madrid, Spain
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 30/01/2014 **Duration:** 3 years
End date: 30/01/2017
Entity where activity was carried out: FUNDACION PARA LA INVESTIGACION BIOMEDICA HOSPITAL DOCE DE OCTUBRE
Faculty, institute or centre: INSTITUTE
- 2 Name of the grant:** Motor Neuron Disease Association grant
Awarding entity: MND Association (UK) **Type of entity:** Foundation
Amount of the grant: 24.989 €
Conferral date: 01/07/2013 **Duration:** 6 months
End date: 31/12/2013
Entity where activity was carried out: Motor Neuron Disease Association
- 3 Name of the grant:** ALS Association Initiated award
Awarding entity: ALS association (USA)
Amount of the grant: 50.902 €
Conferral date: 01/11/2012 **Duration:** 8 months
End date: 30/06/2013
Entity where activity was carried out: Amyotrophic Lateral Sclerosis Association
- 4 Name of the grant:** Subprograma estancias de movilidad posdoctoral en centros extranjeros del Programa Nacional de Movilidad de Recursos Humanos de Investigación
Aims: Post-doctoral
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 07/07/2010 **Duration:** 2 years
End date: 15/09/2012
Entity where activity was carried out: University College of London
Faculty, institute or centre: Institute of Neurology
- 5 Name of the grant:** Ayudas a la Investigacion Biomedica de la Fundacion Eugenio Rodriguez Pascual
Awarding entity: Fundacion Eugenio Rodriguez Pascual **Type of entity:** Foundation
Conferral date: 2007
End date: 2008



- 6** **Name of the grant:** Becas de Investigacion Caja Segovia
Awarding entity: Obra Social Caja Segovia **Type of entity:** Foundation
Amount of the grant: 6.000 €
Conferral date: 2006 **Duration:** 1 year
End date: 2007
- 7** **Name of the grant:** Becas de Investigacion Caja Segovia
Awarding entity: Obra social Caja Segovia **Type of entity:** Foundation
Amount of the grant: 6.000 €
Conferral date: 2003 **Duration:** 1 year
End date: 2004
- 8** **Name of the grant:** Participant Fellowship
Aims: Conference fellowship
Awarding entity: SOCIEDAD ESPAÑOLA DE BIOQUIMICA Y BIOLOGIA MOLECULAR **Type of entity:** Associations and Groups
Conferral date: 09/2008

Scientific societies and professional associations

- 1** **Name of the society:** The Biochemical Society
City affiliation entity: London, United Kingdom
Start date: 01/09/2013
- 2** **Name of the society:** Biophysical Society
City affiliation entity: Rockville (Maryland), United States of America
Professional category: Membership
N° of members: 9.000
Start date: 01/01/2013
- 3** **Name of the society:** Sociedad Española de Bioquímica y Biología Molecular (SEBBM)
City: Madrid, Community of Madrid, Spain
City affiliation entity: Spain
Identify key words: Clinical medicine and epidemiology; Biomedicine; Foodstuffs technology; Molecular, cellular and genetic biology; Plants and animal biology and ecology
N° of members: 3.700
Start date: 07/2005

Prizes, mentions and distinctions

- 1** **Description:** Poster Prize at the 2016 Neuromuscular Translational Research Conference (top 5)
Awarding entity: MRC Centre for Neuromuscular Diseases **Type of entity:** Public Research Body
City awarding entity: London, Inner London, United Kingdom
Conferral date: 23/03/2016
- 2** **Description:** Early Career Neuroscience prize
Awarding entity: University College London **Type of entity:** University
City awarding entity: London, Inner London, United Kingdom



Conferral date: 21/06/2013

3 Description: Best oral presentation in Food Toxicology

Awarding entity: XIII meeting of the Environmental Mutagenesis Spanish Society

Type of entity: Associations and Groups

City awarding entity: Spain

Conferral date: 07/2004

Summary of other achievements

Description of the achievement: Participant Fellowship for poster presentation in the XXXI SEBBM Congress

Accrediting entity: SOCIEDAD ESPAÑOLA DE BIOQUIMICA Y BIOLOGIA MOLECULAR

Type of entity: Associations and Groups

City accrediting entity: Spain

Conferral date: 09/2008