



Francisco Javier Blesa de los Mozos

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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.

I was graduated in Biochemistry and Biology from the University of Navarra, Spain, in 2003. I obtained a PhD in Neurosciences from the Center for Applied Medical Research (CIMA) at the same university (2010) under the expert guidance of Dr. Jose A. Obeso and Dr. Maria Rodriguez-Oroz. My Doctoral Thesis focused on the study of compensatory mechanisms in Parkinson's Disease (PD). I carried out experiments using animal models of PD to define the functional states at the basal ganglia level that characterize each stage of the disease, paying special attention to the pre-symptomatic changes compensating for dopamine depletion that keep this disease undetectable for so many years. This allowed me to publish 3 different publications characterizing a new slow MPTP primate model. We also demonstrated that compensatory changes in nigrostriatal dopaminergic activity appeared late in disease state, and accordingly may be considered too late to explain compensatory mechanisms in the early asymptomatic period. During my PhD, I got different fellowships that allowed me to join Dr. Thomas Wichmann lab (Emory University, Atlanta) at the beginning of the year 2008 and Dr. Christian Pifl and Dr. Oleh Hornykiewicz (Univ. Vienna) lab in 2009 as well. We pioneered the search of α -synuclein aggregates in animal models of PD and I was part of the team that reported evidence that PD-derived Lewy bodies are pathogenic and have the capacity to initiate a PD-like pathological process. After obtaining my PhD, I obtained the fellowship from the Spanish Minister of Education and I moved to New York to the lab of Dr. Serge Przedborski at Columbia University (2011) and continued studying the processes implicated in the origin and evolution of PD concentrating my efforts on the MPTP mouse model of PD. Later I obtained the EURAXESS fellowship from the European Commission which allowed me to stay at Columbia University for 4 years. Among different other projects on-going, we discovered a mechanism for neuronal subtype specific and reciprocal communication that is essential for neurochemical and structural homeostasis in the nigrostriatal circuit and I continued my research in the topic of α -synuclein. In 2015 I joined the lab of Dr. Paul Greengard (2000 Nobel Prize in Physiology or Medicine) at Rockefeller University in New York until I moved back to Spain to join the new Centre for Integrative Research in Madrid as a junior researcher. In the last years I have focused in the search of specific vulnerability factors of the substantia nigra pars compacta and start new strategies to slow or stop the progression of the disease. As an expert in the field, I have been invited to write several reviews about animal models of PD. I am Associate Editor of Frontiers of Neuroanatomy (Editorial Board Member) and ad hoc reviewer of neuroscience journals like Trends in Pharmacological Sciences, Movement Disorders and many others. I am author or co-author of more than 40 publications in the field of Parkinson's Disease in top journals like Nature Neuroscience, Neuron, Annals of Neurology or Journal of Neuroscience. (H factor=22; >3300 cites). In the last years I have been honored to received the "Marie Sklodowska-Curie Actions Seal of Excellence" and different funding from Foundations as PI and for the Miguel Servet Program of the Insituto de Salud Carlos III.



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.

Indice H: 22; Citas: >3300; Indice i10: 25

Francisco Javier Blesa de los Mozos

Surname(s): **Blesa de los Mozos**
Name: **Francisco Javier**
DNI: **13160515F**
ORCID: **0000-0002-4257-1325**
ScopusID: **24079530500**
ResearcherID: **M-3473-2014**
Loop Profile: **29176**
Date of birth: **03/04/1979**
Gender: **Male**
Nationality: **Spain**
Country of birth: **Spain**
Aut. region/reg. of birth: **Castile and León**
Contact province: **Madrid**
City of birth: **Burgos**
Contact address: **Paseo de Reina Cristina 9, 4ª B**
Postcode: **28014**
Contact country: **Spain**
Contact aut. region/reg.: **Community of Madrid**
Contact city: **Madrid**
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Current professional situation

Employing entity: Fundacion de Investigacion HM Hospitales **Type of entity:** Foundation
Department: HM CINAC, HM CINAC
Professional category: Investigador
City employing entity: Madrid, Community of Madrid, Spain
Start date: 01/07/2015
Type of contract: Permanent employment contract **Dedication regime:** Full time
Primary (UNESCO code): 249000 - Neurosciences
Secondary (UNESCO code): 241500 - Molecular biology
Identify key words: Ageing (biology); Cell biology; Insanity senile (alzheimer, parkinson)

Previous positions and activities

	Employing entity	Professional category	Start date
1	Rockefeller University	Postdoctoral Associate	01/03/2015
2	Columbia University	Postdoctoral Research Fellow	01/01/2011
3	Universidad de Navarra	Investigador Postdoctoral	01/03/2010
4	Universidad de Navarra	Investigador Predoctoral	01/09/2003



- 1** **Employing entity:** Rockefeller University
Department: Neuroscience, Paul Greengard Laboratory
City employing entity: New York, United States of America
Professional category: Postdoctoral Associate
Start-End date: 01/03/2015 - 30/06/2015 **Duration:** 5 months
Type of contract: Temporary employment contract
Dedication regime: Full time
- 2** **Employing entity:** Columbia University **Type of entity:** University
Department: Pathology and Cell Biology, Serge Przedborski Laboratory
City employing entity: New York, United States of America
Professional category: Postdoctoral Research Fellow
Start-End date: 01/01/2011 - 28/02/2015 **Duration:** 4 years - 2 months
Type of contract: Temporary employment contract
Dedication regime: Full time
- 3** **Employing entity:** Universidad de Navarra **Type of entity:** University
Department: Neurociencias, Centro de Investigacion Medica Aplicada
City employing entity: Pamplona, Foral Community of Navarre, Spain
Professional category: Investigador Postdoctoral **Educational Management (Yes/No):** Yes
Start-End date: 01/03/2010 - 31/12/2011 **Duration:** 1 year
Type of contract: Temporary employment contract
Field of management activity: University
- 4** **Employing entity:** Universidad de Navarra **Type of entity:** University
Department: Neurociencias, Centro de Investigacion Medica Aplicada
City employing entity: Pamplona, Foral Community of Navarre, Spain
Professional category: Investigador Predoctoral **Educational Management (Yes/No):** Yes
Start-End date: 01/09/2003 - 28/02/2010 **Duration:** 6 years - 4 months
Type of contract: Temporary employment contract
Field of management activity: University



Education

University education

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

1 **University degree:** Master

Name of qualification: Certificado de Aptitud Pedagógica (CAP)

City degree awarding entity: Pamplona, Foral Community of Navarre, Spain

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

Date of qualification: 23/06/2004

2 **University degree:** Higher degree

Name of qualification: Licenciado en Bioquímica

City degree awarding entity: Pamplona, Foral Community of Navarre, Spain

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

Date of qualification: 06/10/2003

3 **University degree:** Higher degree

Name of qualification: Licenciado en Biología (Especialidad Fundamental y Sanitaria)

City degree awarding entity: Pamplona, Foral Community of Navarre, Spain

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

Date of qualification: 30/09/2003

Doctorates

Doctorate programme: Doctor en Bioquímica (Programa de Neurociencias)

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

City degree awarding entity: Pamplona, Foral Community of Navarre, Spain

Date of degree: 16/02/2010

DEA awarding entity: Universidad de Navarra

Date DEA was awarded: 21/02/2007

Thesis title: Deficit dopaminérgico y mecanismos compensatorios en la Enfermedad de Parkinson: caracterización de un modelo progresivo en mono tratado con MPTP

Thesis director: Jose Angel Obeso Inchausti

Thesis co-director: Maria Rodriguez Oroz

Obtained qualification: Sobresaliente Cum Laude

Recognition of quality: Yes



Healthcare studies in R&D

Name of the studies: Programa de Alta Dirección de Instituciones de Investigación e Innovación Tecnológica (PADIIT)

Awarding entity: IESE Business School

Type of entity: University Centres and Structures and Associated Bodies

Start-End date: 2018 - 2018

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

Title of course/seminar: Certificado de Aptitud Pedagógica

Organising entity: Universidad de Navarra

Type of entity: University

End date: 23/06/2004

Language skills

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

Teaching experience

General teaching experience

- Name of the course:** Informática Básica
Type of programme: Bachelor's degree
Type of subject: Modular
University degree: Biología
Start date: 2007 **End date:** 2009
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 100
Entity: Universidad de Navarra **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias
City of entity: Pamplona, Foral Community of Navarre, Spain
- Name of the course:** Informática Aplicada
Type of programme: Bachelor's degree
Type of subject: Modular
University degree: Enfermería
Start date: 2006 **End date:** 2007
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 60
Entity: Universidad de Navarra **Type of entity:** University
Faculty, institute or centre: Escuela de Enfermería



City of entity: Pamplona, Foral Community of Navarre, Spain

3 Name of the course: Informatica Aplicada

Type of programme: Bachelor's degree

Type of subject: Modular

University degree: Filosofia y Letras

Start date: 2005

End date: 2006

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 60

Entity: Universidad de Navarra

Type of entity: University

Faculty, institute or centre: Facultad de Filosofía y Letras

City of entity: Pamplona, Foral Community of Navarre, Spain

Experience supervising doctoral thesis and/or final year projects

1 Project title: Tarjeting alpha-synuclein: neuronal vulnerability and disease progression

Type of project: Doctoral thesis

Entity: Universidad Autónoma de Madrid

Type of entity: University

City of entity: Madrid,

Student: Natalia Lopez Gonzalez del Rey

Date of reading: 2020

2 Project title: Estudio de la neurodegeneración, agregación y eliminación de alpha-sinucleina en modelos animales de enfermedad de Parkinson

Type of project: Minor thesis

Entity: Universidad Complutense de Madrid

Type of entity: University

City of entity: Madrid, Spain

Student: Lucia Martin Rodriguez

Obtained qualification: 8.7

Date of reading: 2018

3 Project title: Serotonergic innervation in the striatum of progressive intoxicated MPTP monkeys

Type of project: Minor thesis

Co-director of thesis: Carmen Cavada

Entity: Universidad Autónoma de Madrid

Type of entity: University

City of entity: Madrid, Spain

Student: Lorena Jimenez

Obtained qualification: 9.5

Date of reading: 2018

Quality recognition: Yes

4 Project title: Dopaminergic neurons intrinsic to the Striatum: a potential compensatory mechanism in Parkinson's Disease?

Type of project: Minor thesis

Co-director of thesis: Carmen Cavada

Entity: Universidad Autónoma de Madrid

Type of entity: University

City of entity: Madrid, Spain

Student: Natalia Lopez Gonzalez del Rey

Obtained qualification: 10

Date of reading: 2017



Quality recognition: Yes

Teaching experience in courses and seminars for university teacher training

- 1** **Type of event:** Seminar
Name of the event: Anatomia y Fisiologia de la Enfermedad de Parkinson
Organising entity: Universidad San Pablo CEU **Type of entity:** University
Hours of teaching: 1
Teaching date: 2018
- 2** **Type of event:** Seminar
Name of the event: Anatomia y Fisiologia de la Enfermedad de Parkinson
Organising entity: Universidad San Pablo CEU **Type of entity:** University
Hours of teaching: 1
Teaching date: 2017
- 3** **Type of event:** Seminar
Name of the event: Modelos clinicos y Metodos de Regeneracion en la Enfermedad de Parkinson
Organising entity: Universidad San Pablo CEU **Type of entity:** University
Hours of teaching: 2
Teaching date: 2016
- 4** **Type of event:** Seminar
Name of the event: Bases cientificas de los trastornos del Movimiento: Seminario Teorico-Practico
City organizing entity: Pamplona, Foral Community of Navarre, Spain
Organising entity: Clínica Universitaria de Navarra **Type of entity:** Business
Target group profile: Neurologos
Hours of teaching: 4 **Teaching language:** Spanish
Teaching date: 24/09/2004
- 5** **Type of event:** Seminar
Name of the event: Bases cientificas de los trastornos del Movimiento: Seminario Teorico-Practico
City organizing entity: Pamplona, Foral Community of Navarre, Spain
Organising entity: Clínica Universitaria de Navarra **Type of entity:** Business
Target group profile: Neurologos
Hours of teaching: 4 **Teaching language:** Spanish
Teaching date: 04/10/2003



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:** Bases Metabólicas de la Neurodegeneración
Degree of contribution: Researcher
Entity where project took place: Comunidad de Madrid **Type of entity:** Public
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Jose Gonzalez-Castaño; Teresa Iglesias-Vacas; Jesus Avila; Javier Diaz-Nido; Ignacio Torrez-Aleman; Francisco Wandosell; Eva Carro; Felix Hernandez-perez; Jose Obeso
Nº of researchers: 9
Start-End date: 01/01/2018 - 31/12/2020 **Duration:** 4 years
Total amount: 812.499,06 €
- 2 Name of the project:** Selective Vulnerability of neuronal vulnerability in Parkinson Disease: the risk of excessive routine behaviour
Type of project: Research and development, including transfer
Entity where project took place: HM CINAC
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): Jose Obeso
Nº of researchers: 7
Funding entity or bodies: Obra Social Fundación la Caixa **Type of entity:** Foundation
City funding entity: Barcelona, Catalonia, Spain
Start-End date: 01/01/2017 - 30/12/2020 **Duration:** 3 years
Total amount: 360.000 €
Dedication regime: Part time
Applicant's contribution: Co-Researcher
- 3 Name of the project:** Early detection and cellular disintegration of ?synuclein aggregates using nanobodies
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Entity where project took place: Consortium (Chile, Germany, Spain)
Name principal investigator (PI, Co-PI....): Gopal Sapkota; Dietmar Schreiner; Alejandro Rojas-Fernandez; Javier Blesa; Jose Obeso; Pedro Chana
Nº of researchers: 6
Funding entity or bodies: Comisión Europea **Type of entity:** .
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Principal investigator
Name of the programme: EULACH16/T010047
Code according to the funding entity: EULACH16/T010047

**Start-End date:** 01/01/2018 - 31/12/2019**Duration:** 3 years**Total amount:** 99.549,12 €**4 Name of the project:** Tarjeting alpha-synuclein: neuronal vulnerability and disease progression**Type of project:** Research and development, including transfer**Entity where project took place:** HM CINAC**City of entity:** Madrid, Spain**Name principal investigator (PI, Co-PI....):** Blesa J**Nº of researchers:** 7**Funding entity or bodies:**

Fundacion Tatiana Perez de Guzman el Bueno

Type of entity: Foundation**City funding entity:** Madrid, Spain**Name of the programme:** Ayudas a Proyectos de Investigacion en Neurociencia**Start-End date:** 01/10/2016 - 30/09/2019**Duration:** 3 years**Total amount:** 98.000 €**Dedication regime:** Full time**Applicant's contribution:** Principal Investigator**5 Name of the project:** Selective Vulnerability, Progression and Synuclein Toxicity in Parkinson Disease**Type of project:** Research and development, including transfer**Entity where project took place:** HM CINAC**City of entity:** Madrid, Spain**Name principal investigator (PI, Co-PI....):** Obeso J (PI)**Nº of researchers:** 7**Funding entity or bodies:**

Fundación BBVA

Type of entity: Foundation**City funding entity:** Madrid, Community of Madrid, Spain**Name of the programme:** AYUDAS FUNDACIÓN BBVA A EQUIPOS DE INVESTIGACIÓN CIENTÍFICA**Start-End date:** 01/09/2016 - 30/08/2019**Duration:** 3 years**Total amount:** 150.000 €**Dedication regime:** Part time**Applicant's contribution:** Co-Researcher**6 Name of the project:** Patrón y mecanismos de vulnerabilidad neuronal en la enfermedad de Parkinson: El riesgo de la actividad rutinaria**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** HM CINAC**City of entity:** Madrid, Spain**Name principal investigator (PI, Co-PI....):** Jose Obeso**Nº of researchers:** 7**Funding entity or bodies:**

Ministerio de Economía y Hacienda

Type of entity: Plan Nacional**City funding entity:** Madrid, Community of Madrid, Spain**Name of the programme:** Plan Nacional**Start-End date:** 01/01/2015 - 01/01/2019**Duration:** 4 years**Total amount:** 355.940 €**Dedication regime:** Part time**Applicant's contribution:** Co-Researcher



- 7** **Name of the project:** Progresión de la Enfermedad de Parkinson: creación de un modelo evolutivo en el primate no humano por MPTP. Factor edad y tratamiento con Levodopa
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Centro de Investigacion Medica Aplicada
City of entity: Pamplona, Spain
Name principal investigator (PI, Co-PI....): Jose Obeso
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Ministerio
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 01/01/2010 - 31/12/2012
Total amount: 169.400 €
- 8** **Name of the project:** Restorative Plasticity at Corticostriatal Excitatory Sinapsys
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Centro de Investigacion Medica Aplicada
City of entity: Pamplona, Spain
Name principal investigator (PI, Co-PI....): Jose Obeso
Funding entity or bodies: Comision Europea FP7 CP
Start-End date: 01/09/2008 - 30/08/2012
Total amount: 344.370 €
- 9** **Name of the project:** Valoración de 11C-(+)-DTBZ como radioligando PET de la actividad dopaminérgica mediante estudios Micro-PET en un modelo de enfermedad de Parkinson en M. fascicularis
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Clínica **Type of entity:** Business
Universitaria de Navarra
City of entity: Pamplona, Spain
Name principal investigator (PI, Co-PI....): Ivan Peñuelas
Start-End date: 01/01/2008 - 31/12/2010
Total amount: 52.500 €
- 10** **Name of the project:** Mecanismos compensatorios del déficit dopaminérgico en la Enfermedad de Parkinson
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Centro de Investigacion Medica Aplicada
City of entity: Pamplona, Spain
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Ministerio
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 31/12/2005 - 31/12/2008
Total amount: 142.800 €



11 Name of the project: Marie Skłodowska-Curie Actions Seal of Excellence

Funding entity or bodies:

Comisión Europea

Type of entity: Award-Recognition

City funding entity: Madrid, Community of Madrid, Spain

Start date: 28/04/2017

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

- 1 Name of the project:** ?-Synuclein-Independent Histopathological and Motor Deficits in Mice Lacking the Endolysosomal Parkinsonism Protein Atp13a2
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): Ana Maria Cuervo; Serge Przedborski; William Dauer
Participating entity/entities: Albert Einstein Institute New York; Columbia University; University of Michigan
- 2 Name of the project:** Focused Ultrasound-facilitated AAV-GDNF delivery effects in a Parkinson's-disease animal models
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): Elisa Konofagou; Serge Przedborski
Participating entity/entities: Columbia University
- 3 Name of the project:** Identification of neurodegenerative factors using Translatome-Interactome analysis
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): Paul Greengard; Andrea Califano; Serge Przedborski
Participating entity/entities: Columbia University; Rockefeller University
- 4 Name of the project:** Mouse mtDNA mutant model of Leber hereditary optic neuropathy: implications on Parkinson's Disease
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): Doc Wallace; Serge Przedborski
Participating entity/entities: Children's Hospital of Philadelphia; Columbia University

Scientific and technological activities

Scientific production

H index: 22

Date of application: 01/01/2020

Publications, scientific and technical documents

- 1** Izco M; Blesa J; Verona G; Cooper JM; Alvarez-Erviti L. Glial activation precedes alpha-synuclein pathology in a progressive mouse model of Parkinson's disease. *Neurobiology of Disease*. Under review, 2020.
Type of production: Scientific paper
Corresponding author: No
- 2** Monje MGH; Blesa J; Garcia-Cabezas MA; Obeso JA; Cavada C. Changes in thalamic dopamine innervation in a progressive Parkinson's disease model in monkeys. *Movement Disorders*. In press, 2019. ISSN 1531-8257
DOI: 10.1002/mds.27921
Type of production: Scientific paper
Format: Journal
Corresponding author: No
Impact source: SCOPUS
Category: CLINICAL NEUROLOGY
Impact index in year of publication: 8.22
Journal in the top 25%: Yes
Position of publication: 12
No. of journals in the cat.: 199
- 3** Jimenez-Santos L*; Blesa J*; Del Rey NLG; Monje MGH; Obeso JA; Cavada C. Serotonergic innervation of the striatum in a non-human primate model of Parkinson's Disease. *Neuropharmacology*. Epub ahead of print, 2019.
DOI: 10.1016/j.neuropharm.2019.107806.
Type of production: Scientific paper
Position of signature: 1
Impact source: SCOPUS
Category: Science Edition - PHARMACOLOGY & PHARMACY
Impact index in year of publication: 4.36
Journal in the top 25%: Yes
Position of publication: 40
No. of journals in the cat.: 267
Relevant results: Co-first author
- 4** Izco M; Blesa J; Schlee M; Schmeer M; Porcari R; Al-Shawi R; Ellmerich S; de Toro M; Garnider C; Yeok J; Reinares-Sebastian A; Forcen R; Simons JP; Bellotti V; Cooper JM; Alvarez-Erviti L. Systemic exosomal delivery of shRNA minicircles prevents Parkinsonian pathology. *Molecular Therapy*. 27 - 12, pp. 2111 - 2122. Cell Press, 2019.
DOI: 10.1016/j.ymthe.2019.08.010
Type of production: Scientific paper
Corresponding author: No
Impact source: SCOPUS
Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL
Impact index in year of publication: 8.4
Journal in the top 25%: Yes
Position of publication: 8
No. of journals in the cat.: 136



- 5** Pifl C; Reither H; del Rey NL; Cavada C; Obeso JA; Blesa J*. Early paradoxical increase of dopamine: a neurochemical study of olfactory bulb in asymptomatic and symptomatic MPTP treated monkeys. *Frontiers in Neuroanatomy*. May 29 - 11:46, 2017. ISSN 1662-5129
DOI: 10.3389/fnana.2017.00046
PMID: 28611598
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: SCOPUS **Category:** ANATOMY & MORPHOLOGY
Impact index in year of publication: 3.152 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 21
Source of citations: Google Scholar **Citations:** 8
- 6** Brichta L; Shin W; Jackson-Lewis V; Blesa J; Yap EL; Walker Z; Zhang J; Roussarie JP; Alvarez MJ; Califano A; Przedborski S; Greengard P. Identification of neurodegenerative factors Using Translatome-Interactome Analysis. *Nature Neuroscience*. 18 - 9, pp. 1325 - 33. 2015. ISSN 1546-1726
DOI: 10.1038/nn.4070
PMID: 26214373
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Neurosciences
Impact index in year of publication: 16.724 **Journal in the top 25%:** Yes
Position of publication: 4 **No. of journals in the cat.:** 256
Source of citations: Google Scholar **Citations:** 55
- 7** Kett L; Stiller B; Bernath M; Tasset I; Blesa J; Jackson-Lewis V; Chan R; Zhou B; Di Paolo G; Przedborski S; Cuervo AM; Dauer W. Synuclein-Independent Histopathological and Motor Deficits in Mice Lacking the Endolysosomal Parkinsonism Protein Atp13a2. *Journal of Neuroscience*. 35 - 14, pp. 5724 - 5742. 2015. ISSN 1529-2401
DOI: 10.1523/JNEUROSCI.0632-14.2015
PMID: 25855184
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Neurosciences
Impact index in year of publication: 5.924 **Journal in the top 25%:** Yes
Position of publication: 26 **No. of journals in the cat.:** 256
Source of citations: Google Scholar **Citations:** 54
- 8** Pifl C; Rajput A; Reither H; Blesa J; Cavada C; Obeso JA; Rajput AH; Hornykiewicz O. Is Parkinson's disease a vesicular dopamine storage disorder? Evidence from a study in isolated synaptic vesicles of human and non-human primate striatum. *Journal of Neuroscience*. 34 - 24, pp. 8210 - 8218. 2014. ISSN 1529-2401
DOI: 10.1523/JNEUROSCI.5456-13.2014
PMID: 24920625
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Neurosciences
Impact index in year of publication: 6.3 **Journal in the top 25%:** Yes
Position of publication: 25 **No. of journals in the cat.:** 252
Source of citations: Google Scholar **Citations:** 91
Relevant results: Highlight by Nature and the Journal of Neuroscience; Article widely published in the international press

- 9** Recasens A; Dehay B; Bove J; Carballo-Carvajal I; Dovero S; Perez A; Fernagut PO; Blesa J; Parent A; Perier C; Farinas I; Obeso J; Bezard E; Vila M. Lewy body extracts from parkinson's disease brains trigger α -synuclein pathology and neurodegeneration in mice and monkeys. *Annals of Neurology*. 2014. ISSN 1531-8249
DOI: 10.1002/ana.24066
PMID: 24243558
Type of production: Scientific paper
Impact source: SCOPUS
Impact index in year of publication: 9.97
Position of publication: 5
Source of citations: Google Scholar
Format: Journal
Category: CLINICAL NEUROLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 192
Citations: 361
Relevant results: Paper of the Year 2014 Award from Annals of Neurology and the American Neurological Association; Comments in: Do prions cause Parkinson disease?: the evidence accumulates. [Ann Neurol. 2014] and The prion hypothesis of Parkinson's disease: this hot topic just got hotter. [Mov Disord. 2014]; Article widely published in the international press
- 10** Pifl C; Hornykiewicz O; Blesa J; Adanez R; Cavada C; Obeso JA. Reduced noradrenaline, but not dopamine and serotonin in motor thalamus of the MPTP primate: relation to severity of parkinsonism. *Journal of Neurochemistry*. 125 - 5, pp. 657 - 652. 2013. ISSN 1471-4159
DOI: 10.1111/jnc.12162
Type of production: Scientific paper
Impact source: SCOPUS
Impact index in year of publication: 4.24
Position of publication: 63
Source of citations: Google Scholar
Format: Journal
Category: Neurosciences
Journal in the top 25%: Yes
No. of journals in the cat.: 252
Citations: 28
Relevant results: Comment in: Removing the blinkers: moving beyond striatal dopamine in Parkinson's disease. [J Neurochem. 2013]
- 11** Gonzalez-Reyes LE; Verbitsky M; Blesa J; Jackson-Lewis V; Paredes D; Tillack K; Phani S; Kramer ER; Przedborski S; Kottmann AH. Sonic hedgehog maintains cellular and neurochemical homeostasis in the adult nigrostriatal circuit. *Neuron*. 75 - 2, pp. 306 - 319. 2012. ISSN 0896-6273
DOI: 10.1016/j.neuron.2012.05.018
PMID: 22841315
Type of production: Scientific paper
Impact source: SCOPUS
Impact index in year of publication: 15.766
Position of publication: 5
Source of citations: Google Scholar
Format: Journal
Category: NEUROSCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 252
Citations: 74
- 12** Blesa J; Pifl C; Sanchez-Gonzalez MA; Juri C; Garcia-Cabezas MA; Adanez R; Iglesias E; Collantes M; Penuelas I; Sanchez-Hernandez JJ; Rodriguez-Oroz MC; Avendano C; Hornykiewicz O; Cavada C; Obeso J. The nigrostriatal system in the presymptomatic and symptomatic stages in the MPTP monkey model: a PET, histological and biochemical study. *Neurobiology of Disease*. 48 - 1, pp. 79 - 91. 2012. ISSN 0969-9961
DOI: 10.1016/j.nbd.2012.05.018
PMID: 22677034
Type of production: Scientific paper
Impact source: SCOPUS
Impact index in year of publication: 5.624
Position of publication: 34
Format: Journal
Category: NEUROSCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 252

**Source of citations:** Google Scholar**Citations:** 68

- 13** Blesa J*; Juri C; Garcia-Cabezas MA; Adanez R; Sanchez-Gonzalez MA; Cavada C; Obeso JA. Inter-hemispheric asymmetry of nigrostriatal dopaminergic lesion: a possible compensatory mechanism in Parkinson's disease. *Frontiers in Systems Neuroscience*. 5 - art. no. 92, 2011. ISSN 1662-5137

DOI: 10.3389/fnsys.2011.00092**PMID:** 22287944**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** SCOPUS**Category:** Science Edition - CLINICAL NEUROLOGY**Impact index in year of publication:** 3.928**Journal in the top 25%:** No**Position of publication:** 79**No. of journals in the cat.:** 267**Source of citations:** Google Scholar**Citations:** 30

- 14** Blesa J; Juri C; Collantes M; Penuelas I; Prieto E; Iglesias E; Marti-Climent J; Arbizu J; Zubieta JL; Rodriguez-Oroz MC; Garcia-Garcia D; Richter JA; Cavada C; Obeso JA. Progression of dopaminergic depletion in a model of MPTP-induced Parkinsonism in non-human primates. An (18)F-DOPA and (11)C-DTBZ PET study. *Neurobiology of Disease*. 38 - 3, pp. 456 - 463. 2010.

DOI: 10.1016/j.nbd.2010.03.006**PMID:** 20304066**Type of production:** Scientific paper**Format:** Journal**Impact source:** SCOPUS**Category:** NEUROSCIENCES**Impact index in year of publication:** 5.121**Journal in the top 25%:** Yes**Position of publication:** 37**No. of journals in the cat.:** 239**Source of citations:** Google Scholar**Citations:** 60

- 15** Collantes M; Prieto E; Penuelas I; Blesa J; Juri C; Marti-Climent JM; Quincoces G; Arbizu J; Riverol M; Zubieta JL; Rodriguez-Oroz MC; Luquin MR; Richter JA; Obeso JA. New MRI, 18F-DOPA and 11C-(+)-alpha-dihydrotrabenazine templates for Macaca fascicularis neuroimaging: advantages to improve PET quantification. *Neuroimage*. 47 - 2, pp. 533 - 539. 2009. ISSN 1053-8119

DOI: 10.1016/j.neuroimage.2009.04.078**PMID:** 19422919**Type of production:** Scientific paper**Format:** Journal**Impact source:** SCOPUS**Category:** NEUROIMAGING**Impact index in year of publication:** 5.739**Journal in the top 25%:** Yes**Position of publication:** 2**No. of journals in the cat.:** 13**Source of citations:** Google Scholar**Citations:** 21

- 16** Halliday G; Herrero MT; Murphy K; McCann H; Ros-Bernal F; Barcia C; Mori H; Blesa FJ; Obeso JA. No Lewy pathology in monkeys with over 10 years of severe MPTP Parkinsonism. *Movement Disorders*. 24 - 10, pp. 1519 - 1523. 2009. ISSN 1531-8257

DOI: 10.1002/mds.22481**PMID:** 19526568**Type of production:** Scientific paper**Format:** Journal**Impact source:** SCOPUS**Category:** CLINICAL NEUROLOGY**Impact index in year of publication:** 4.014**Journal in the top 25%:** Yes**Position of publication:** 24**No. of journals in the cat.:** 167

Source of citations: Google Scholar**Citations:** 71

- 17** Lanciego JL; Rodriguez-Oroz MC; Blesa FJ; Alvarez-Erviti L; Guridi J; Barroso-Chinea P; Smith Y; Obeso JA. Lesion of the centromedian thalamic nucleus in MPTP-treated monkeys. *Movement Disorders*. 23 - 8, pp. 708 - 715. 2008.

DOI: 10.1002/mds.21906**PMID:** 18175345**Type of production:** Scientific paper**Format:** Journal**Impact source:** SCOPUS**Category:** CLINICAL NEUROLOGY**Impact index in year of publication:** 3.9**Journal in the top 25%:** Yes**Position of publication:** 21**No. of journals in the cat.:** 156**Source of citations:** Google Scholar**Citations:** 28

- 18** Quincoces G; Collantes M; Catalan R; Ecay M; Prieto E; Martino E; Blesa FJ; Alvarez-Erviti L; Areses P; Arbizu J; Obeso JA; Marti-Climent JM; Richter JA; Penuelas I. Quick and simple synthesis of (11)C-(+)-alpha-dihydrotrabenazine to be used as a PET radioligand of vesicular monoamine transporters. *Revista Espanola Medicina Nuclear*. 27 - 1, pp. 13 - 21. 2008. ISSN 0212-6982

PMID: 18208777**Type of production:** Scientific paper**Format:** Journal**Impact source:** SCOPUS**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Impact index in year of publication:** 0.8**Journal in the top 25%:** No**Position of publication:** 88**No. of journals in the cat.:** 104**Source of citations:** Google Scholar**Citations:** 12

- 19** Collantes M; Penuelas I; Alvarez-Erviti L; Blesa J; Marti-Climent JM; Quincoces G; Delgado M; Ecay M; Martinez A; Arbizu J; Rodriguez-Oroz MC; Obeso JA; Richter JA. Use of 11C-(+)-alpha -dihydrotrabenazine for the assessment of dopaminergic innervation in animal models of Parkinson's disease. *Revista Espanola Medicina Nuclear*. 27 - 2, pp. 103 - 111. 2008. ISSN 0212-6982

PMID: 18367048**Type of production:** Scientific paper**Format:** Journal**Impact source:** SCOPUS**Category:** RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING**Impact index in year of publication:** 0.8**Journal in the top 25%:** No**Position of publication:** 88**No. of journals in the cat.:** 104**Source of citations:** Google Scholar**Citations:** 23

- 20** Rodriguez M; Alvarez-Erviti L; Blesa FJ; Rodriguez-Oroz MC; Arina I; Melero I; Ramos LI; Obeso JA. Bone-marrow-derived cell differentiation into microglia: a study in a progressive mouse model of Parkinson's disease. *Neurobiology of Disease*. 28 - 3, pp. 316 - 325. 2007. ISSN 0969-9961

PMID: 17897835**Type of production:** Scientific paper**Format:** Journal**Impact source:** SCOPUS**Category:** NEUROSCIENCES**Impact index in year of publication:** 4.377**Journal in the top 25%:** Yes**Position of publication:** 40**No. of journals in the cat.:** 211**Source of citations:** Google Scholar**Citations:** 65

- 21** Blesa J; Trigo-Damas I; Quiroga-Varela A; Gonzalez-Del Rey NL. Animal models of Parkinson's Disease. Challenges in Parkinson's Disease. pp. 195 - 216. InTech, 2016. ISBN 978-953-51-2464-1
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
Source of citations: Google Scholar **Citations:** 4
- 22** Blesa, J; Trigo-Damas, I; Quiroga-Varela, A; Lopez-Gonzalez del Rey, N. Parkinson Disease associated-mutations affect mitochondrial function. Mitochondrial mechanisms of degeneration and repair in Parkinson's Disease. In press, pp. 139 - 158. Springer, 2016. ISBN 978-3-319-42137-7
DOI: 10.1007/978-3-319-42139-1_7
Type of production: Book chapter **Format:** Book
Degree of contribution: Author or co-author of chapter in book
Corresponding author: Yes
Source of citations: Google Scholar **Citations:** 1
- 23** Bezard E; Porras G; Blesa J; Obeso JA. Compensatory mechanisms in experimental and human parkinsonism: potential for new therapies. Handbook of Basal Ganglia Structure and Function: A Decade of Progress. 20, pp. 641 - 652. Elsevier, 2010. ISSN 1569-7339, ISBN 978-0-12-374767-9
Collection: Handbook of Behavioral Neuroscience
Type of production: Book chapter **Format:** Book
Source of citations: Google Scholar **Citations:** 4
- 24** Javier Blesa; Jose Obeso; Jose L. Lanciego. Parkinson's Disease: Cell Vulnerability and Disease Progression. Lausanne(Switzerland): Frontiers Media SA, 2015. ISSN 1662-5129, ISBN 978-2-88919-676-0
DOI: 10.3389/978-2-88919-676-0
Collection: eCollection
Type of production: Scientific book or monograph **Format:** Book
Degree of contribution: Editor or co-editor
Total no. authors: 67 **Corresponding author:** Yes
Relevant results: International well known authors in Neurosciences and Parkinson's Disease. Javier Blesa in particular edited articles/chapters by i.e: Paul Greengard (2000 Nobel Prize in Physiology or Medicine, Rockefeller University), David Sulzer and Serge Przedborski (Columbia University), Tomas Wichmann and Yoland Smith (Emory University), Erwan Bezard (Bordeaux University), Jose Lopez-Barneo (University of Sevilla) and many others.
Relevant publication: Yes
- 25** Karakatsani ME*; Blesa J*; Konofagou E. Blood–brain barrier opening with focused ultrasound in experimental models of Parkinson's disease. Movement Disorders. 34 - 9, pp. 1252 - 1261. 2019. ISSN 1531-8257
DOI: 10.1002/mds.27804
Type of production: Review **Format:** Journal
Position of signature: 1
Corresponding author: No
Impact source: SCOPUS **Category:** CLINICAL NEUROLOGY
Impact index in year of publication: 8.22 **Journal in the top 25%:** Yes
Position of publication: 1 **No. of journals in the cat.:** 199
Relevant results: Co-first author
- 26** Foffani G; Trigo-Damas I; Pineda-Pardo J; Blesa J; Rodriguez-Rojas R; Martinez-Fernandez R; Obeso JA. Focused ultrasound in Parkinson's disease: a twofold path toward disease modification. Movement Disorders. 34 - 9, pp. 1262 - 1273. 2019. ISSN 1531-8257

DOI: 10.1002/mds.27805

Type of production: Review

Corresponding author: No

Impact source: SCOPUS

Impact index in year of publication: 8.22

Position of publication: 12

Format: Journal

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 199

- 27** Blesa J; Vila M. Parkinson disease, substantia nigra vulnerability, and calbindin expression: Enlightening the darkness?. *Movement Disorders*. 32 - 2, pp. 161 - 163. 2019. ISSN 1531-8257

DOI: 10.1002/mds.27618

PMID: 30675930

Type of production: Review

Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 8.22

Position of publication: 12

Format: Journal

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 199

Source of citations: Google Scholar

Citations: 3

- 28** del Rey NL; Quiroga-Varela A; Garbayo E; Carballo-Carbajal I; Fernandez-Santiago R; Monje MHG; Trigo-Damas I; Blanco-Prieto MJ; Blesa J*. *Advances in Parkinson's disease: 200 years later*. *Frontiers in Neuroanatomy*. 12 - 113, 2018. ISSN 1662-5129

DOI: 10.3389/fnana.2018.00113

PMID: 30618654

Type of production: Review

Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 2.923

Position of publication: 2

Format: Journal

Category: ANATOMY & MORPHOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 21

Source of citations: Google Scholar

Citations: 15

- 29** Trigo-Damas, I; Lopez-Gonzalez del Rey, N; Blesa J*. *Novel models for Parkinson's disease and the impact on future drug discovery*. *Expert Opinion On Drug Discovery*. 13 - 3, pp. 229 - 239. 2018. ISSN 1746-0441

DOI: 10.1080/17460441.2018.1428556

PMID: 29363335

Type of production: Review

Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 5.4

Position of publication: 20

Category: Pharmacy

Journal in the top 25%: Yes

No. of journals in the cat.: 267

Source of citations: Google Scholar

Citations: 8

- 30** Blesa J; Trigo-Damas I; Lopez-Gonzalez del Rey N; Obeso JA. *The use of nonhuman primate models to understand processes in Parkinson's disease*. *Journal of Neural Transmission*. 125 - 3, pp. 325 - 335. 2018. ISSN 0300-9564

DOI: 10.1007/s00702-017-1715-x

PMID: 28357564

Type of production: Review

Format: Journal



Impact source: SCOPUS
Impact index in year of publication: 2.903
Position of publication: 80
Source of citations: Google Scholar

Category: Science Edition - CLINICAL NEUROLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 199
Citations: 9

- 31** Blesa J*; Trigo-Damas I; Dileone M; Lopez-Gonzalez del Rey N; Hernandez LF; Obeso JA. Compensatory mechanisms in Parkinson's Disease: Circuits adaptations and role in disease modification. *Experimental Neurology*. 298, pp. 148 - 161. 2017. ISSN 1090-2430

DOI: 10.1016/j.expneurol.2017.10.002

PMID: 28987461

Type of production: Review

Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 4.483

Position of publication: 60

Source of citations: Google Scholar

Category: Science Edition - NEUROSCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 267

Citations: 44

- 32** Del Rey NL; Blesa J. Parkinson's disease: Oh my gut!. *Movement Disorders*. 32 - 3, pp. 396 - 396. 2017. ISSN 1531-8257

DOI: 10.1002/mds.26933

PMID: 28151555

Type of production: Review

Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 8.32

Position of publication: 11

Source of citations: Google Scholar

Format: Journal

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 197

Citations: 1

- 33** Blesa J; Trigo-Damas I; Obeso JA. Parkinson's disease and thalamus: facts and fancy. *The Lancet Neurology*. 15 - 7, pp. e2. 2016. ISSN 1474-4465

DOI: 10.1016/S1474-4422(16)30048-5

PMID: 27302241

Type of production: Review

Impact source: SCOPUS

Impact index in year of publication: 20.284

Position of publication: 1

Source of citations: Google Scholar

Format: Journal

Category: Science Edition - CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 194

Citations: 3

- 34** Del Rey NL; Blesa J. Selective connectivity of dopamine neurons projecting to the posterior striatum. *Movement Disorders*. 31 - 3, pp. 298 - 298. 2016. ISSN 1531-8257

DOI: 10.1002/mds.26496

PMID: 26861629

Type of production: Review

Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 7.07

Position of publication: 13

Format: Journal

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 194



- 35** Blesa J. Vive la difference! Dissecting the diversity of midbrain dopamine neurons. *Movement Disorders*. 31 - 1, pp. 41 - 41. 2016. ISSN 1531-8257
DOI: 10.1002/mds.26487
PMID: 26686701
Type of production: Review **Format:** Journal
Corresponding author: Yes
Impact source: SCOPUS **Category:** CLINICAL NEUROLOGY
Impact index in year of publication: 7.07 **Journal in the top 25%:** Yes
Position of publication: 13 **No. of journals in the cat.:** 194
Source of citations: Google Scholar **Citations:** 1
- 36** Blesa, J; Obeso, JA; Lanciego, JA. Editorial: Parkinson's Disease: Cell Vulnerability and Disease Progression. *Frontiers in Neuroanatomy*. 9, pp. 125. Frontiers Research Foundation, 2015. ISSN 1662-5129
DOI: 10.3389/fnana.2015.00125
Type of production: Review **Format:** Journal
Corresponding author: Yes
Impact source: SCOPUS **Category:** Science Edition - ANATOMY & MORPHOLOGY
Impact index in year of publication: 3.260 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 21
Source of citations: Google Scholar **Citations:** 9
- 37** Blesa J*; Trigo-Damas I; Quiroga-Varela A; Jackson-Lewis V. Oxidative Stress and Parkinson's Disease. *Frontiers in Neuroanatomy*. 9 - 91, 2015. ISSN 1662-5129
DOI: 10.3389/fnana.2015.00091
PMID: 26217195
Type of production: Review **Format:** Journal
Corresponding author: Yes
Impact source: SCOPUS **Category:** ANATOMY & MORPHOLOGY
Impact index in year of publication: 3.260 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 21
Source of citations: Google Scholar **Citations:** 375
- 38** Blesa J*; Przedborski S. Parkinson's Disease: Animal Models and Dopaminergic Cell Vulnerability. *Frontiers in Neuroanatomy*. 8 - 155, 2014. ISSN 1662-5129
DOI: 10.3389/fnana.2014.00155
Type of production: Review **Format:** Journal
Corresponding author: Yes
Impact source: SCOPUS **Category:** ANATOMY & MORPHOLOGY
Impact index in year of publication: 3.544 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 21
Source of citations: Google Scholar **Citations:** 286
- 39** Blesa J. VMAT2 and Parkinson's disease: Old dog, new tricks. *Movement Disorders*. 2014. ISSN 1531-8257
DOI: 10.1002/mds.25986
Type of production: Review **Format:** Journal



Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 5.680

Position of publication: 15

Source of citations: Google Scholar

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 192

Citations: 1

40 Blesa J. Parkinson's disease: "Braak" to the future. *Movement Disorders*. 28 - 9, pp. 1209. 2013. ISSN 1531-8257

DOI: 10.1002/mds.25498

Type of production: Review

Corresponding author: Yes

Impact source: SCOPUS

Impact index in year of publication: 5.63

Position of publication: 14

Source of citations: Google Scholar

Format: Journal

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 194

Citations: 3

41 Jackson-Lewis V; Blesa J; Przedborski S. Animal models of Parkinson's disease. *Parkinsonism & Related Disorders*. 18 - Supp 1, pp. 183 - 185. 2012. ISSN 1353-8020

DOI: 10.1016/S1353-8020(11)70057-8

PMID: 22166429

Type of production: Review

Impact source: SCOPUS

Impact index in year of publication: 3.27

Position of publication: 49

Source of citations: Google Scholar

Format: Journal

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 193

Citations: 145

42 Blesa J; Phani S; Jackson-Lewis; Przedborski S. Classic and new animal models of Parkinson's disease. *Journal of Biomedicine and Biotechnology*. 2012, pp. 1 - 10. 2012. ISSN 1110-7251

DOI: 10.1155/2012/845618

PMID: 22536024

Type of production: Review

Impact source: SCOPUS

Impact index in year of publication: 2.88

Position of publication: 50

Source of citations: Google Scholar

Format: Journal

Category: BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 160

Citations: 418

Relevant results: Second most cited paper of the journal ever (JCR)

43 Obeso JA; Rodriguez-Oroz MC; Benitez-Temino B; Blesa FJ; Guridi J; Marin C; Rodriguez M. Functional organization of the basal ganglia: therapeutic implications for Parkinson's disease. *Movement Disorders*. 23 - Suppl 3, pp. 548 - 559. 2008. ISSN 1531-8257

DOI: 10.1002/mds.22062

PMID: 18781672

Type of production: Review

Impact source: SCOPUS

Impact index in year of publication: 3.9

Position of publication: 21

Format: Journal

Category: CLINICAL NEUROLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 156



Source of citations: Google Scholar

Citations: 509

- 44** Obeso JA; Marin C; Rodriguez-Orozo MC; Blesa J; Temino-Benitez B; Mena-Segovia J; Rodriguez M; Olanow CW. The basal ganglia in Parkinson's disease: current concepts and unexplained observations. *Annals of Neurology*. 64 - Suppl 2, pp. 30 - 46. 2008. ISSN 1531-8249

DOI: 10.1002/ana.21481

PMID: 19127584

Type of production: Review

Format: Journal

Impact source: SCOPUS

Category: CLINICAL NEUROLOGY

Impact index in year of publication: 9.935

Journal in the top 25%: Yes

Position of publication: 2

No. of journals in the cat.: 156

Source of citations: Google Scholar

Citations: 314

Relevant results: Top Ten Best Papers of the Year *Annals of Neurology*; Comment in: Basal ganglia pathophysiology in Parkinson's disease. [*Ann Neurol*. 2009]

- 45** Rodriguez-Oroz MC; Blesa FJ; Benitez-Temino B; Guridi J; Rodriguez M; Obeso JA. Denervación dopaminérgica y fisiopatología de los ganglios basales. *Neurología*. Sup - 3, pp. 32 - 41. 2007. ISSN 0213-4853

Type of production: Review

Format: Journal

Impact source: SCOPUS

Category: CLINICAL NEUROLOGY

Impact index in year of publication: 0.9

Journal in the top 25%: No

Position of publication: 149

No. of journals in the cat.: 192

- 46** Obeso JA; Benitez-Temino B; Blesa FJ; Rodriguez-Oroz MC. Estimulación dopaminérgica continua en la enfermedad de Parkinson: origen, base neurocientífica y limitaciones del concepto. *Neurología*. Sup - 3, pp. 81 - 88. 2007. ISSN 0213-4853

Type of production: Review

Format: Journal

Impact source: SCOPUS

Category: CLINICAL NEUROLOGY

Impact index in year of publication: 0.9

Journal in the top 25%: No

Position of publication: 149

No. of journals in the cat.: 192

- 47** Obeso JA; Rodriguez-Oroz MC; Javier Blesa J; Guridi J. The globus pallidus pars externa and Parkinson's disease. Ready for prime time?. *Experimental Neurology*. 202 - 1, pp. 1 - 7. 2006. ISSN 1090-2430

PMID: 16920102

Type of production: Review

Format: Journal

Impact source: SCOPUS

Category: NEUROSCIENCES

Impact index in year of publication: 4.156

Journal in the top 25%: Yes

Position of publication: 43

No. of journals in the cat.: 200

Source of citations: Google Scholar

Citations: 51



Works submitted to national or international conferences

- 1** **Title of the work:** Compartments of dopaminergic neurons within the macaque monkeys ventral substantia nigra have differential vulnerability to MPTP
Name of the conference: SFN 2109
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Chicago, United States of America
Date of event: 2019
Organising entity: Society for Neuroscience
City organizing entity: Chicago, United States of America
Blesa J; Gimenez-Rodriguez C; Andres-Camazon P; Monje MHG; Lopez-Gonzalez del Rey N; Jimenez-Sanchez L; Obeso JA; Cavada C.
- 2** **Title of the work:** Neuronal density and distribution of interneurons in the primate striatum
Name of the conference: 13th IBAGS Meeting
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Biarritz, France
Date of event: 2019
Organising entity: International Basal Ganglia Society
City organizing entity: Biarritz, France
Blesa J; Lopez-Gonzalez del Rey N; Trigo-Damas I; Cavada C; Obeso JA.
- 3** **Title of the work:** Neuronal density and distribution of interneurons in the primate striatum
Name of the conference: Congreso de la Sociedad Española de Neurociencia
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Santiago de Compostela, Spain
Date of event: 2019
Organising entity: Spanish Society for Neuroscience
City organizing entity: Santiago de Compostela, Spain
Lopez-Gonzalez del Rey N; Reinares A; Trigo-Damas I; Cavada C; Obeso JA; Blesa J.
- 4** **Title of the work:** Nigrosomes and Matrix within the ventral substantia nigra of macaque monkeys: identification and differential vulnerability to MPTP degeneration
Name of the conference: Congreso de la Sociedad Española de Neurociencia
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Santiago de Compostela, Spain
Date of event: 2019
Organising entity: Spanish Society for Neuroscience
City organizing entity: Santiago de Compostela, Spain
Andres-Camazon P; Blesa J; Gimenez-Rodriguez C; Monje MHG; Lopez-Gonzalez del Rey N; Jimenez-Sanchez L; Obeso JA; Cavada C.



- 5** **Title of the work:** Somatotopic related topography of dopaminergic denervation in early de novo Parkinson disease patients
Name of the conference: SFN 2109
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Chicago, United States of America
Date of event: 2019
Organising entity: Society for Neuroscience
City organizing entity: Chicago, United States of America
Monje MHG; Pineda-Pardo JA; Sanchez-Ferro A; Blesa J; Obeso JA.
- 6** **Title of the work:** Thalamic dopamine changes in Parkinsonism: Insight into novel pathogenic mechanisms
Name of the conference: SFN 2109
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Chicago, United States of America
Date of event: 2019
Organising entity: Society for Neuroscience
City organizing entity: Chicago, United States of America
Monje MHG; Blesa J; Garcia-Cabezas MA; Obeso JA; Cavada C.
- 7** **Title of the work:** Thalamic dopamine changes in parkinsonism: insight into novel pathogenic mechanisms?
Name of the conference: 13th IBAGS Meeting
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Biarritz, France
Date of event: 2019
Organising entity: International Basal Ganglia Society
City organizing entity: Biarritz, France
Monje M; Blesa J; Garcia-Cabezas MA; Obeso JA; Cavada C.
- 8** **Title of the work:** Generation of specific nanobodies for proteolysis-targeting chimeras (PROTACs) in alpacas in Chile
Name of the conference: The ubiquitin system: Biology, mechanisms and roles in disease
Type of event: Workshop
Type of participation: 'Participatory - poster
City of event: Cavtat, Croatia
Date of event: 2019
Organising entity: EMBO
City organizing entity: Cavtat, Croatia
Salinas C; Valenzuela G; Schreiner D; Weisser S; Lopez N; Blesa J; Obeso JA; Chana P; Rojas A.
- 9** **Title of the work:** Glial activation precedes alpha-synuclein pathology in the alpha-synuclein preformed fibrils mouse model of Parkinson's disease
Name of the conference: The 14th International Conferences of Alzheimer's & Parkinson's Diseases (AD&PD 2019)
Type of participation: 'Participatory - poster
City of event: Lisbon, Portugal
Date of event: 2019
Organising entity: AD&PD
City organizing entity: Lisbon, Portugal



Izco M; Blesa J; Verona G; Cooper JM; Alvarez-Erviti L.

- 10** **Title of the work:** Prevention of parkinsonian phenotype with exosomal delivery of shRNA minicircles
Name of the conference: The 14th International Conferences of Alzheimer's&Parkinson 's Diseases (AD&PD 2019)
Type of participation: 'Participatory - poster
City of event: Lisbon, Portugal
Date of event: 2019
Organising entity: AD&PD
City organizing entity: Lisbon, Portugal
Alvarez-Erviti L; Izco M; Blesa J; Verona G; Cooper JM.
- 11** **Title of the work:** Bidirectional gut-to-brain and brain-to-gut propagation of α -synuclein pathology in non-human primates
Name of the conference: Movement Disorders 2018 International Congress
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Hong Kong, China
Date of event: 2018
Organising entity: Movement Disorders Society
ML Arotçarena; S. Dovero; A Prigent; M Bourdenx; P Aubert; I Trigo; G Porras; ML Thiolat; M Taselli; C Estrada; A Recasens; J Blesa; M Herrero; N Carrillo; M Vila; J Obeso; P Derkinderen; B Dehay; E Bezard. "Bidirectional gut-to-brain and brain-to-gut propagation of α -synuclein pathology in non-human primates".
- 12** **Title of the work:** Dopamine denervation of the thalamus in MPTP parkinsonian monkeys
Name of the conference: 11th FENS Forum of Neuroscience
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Berlin, Germany
Date of event: 2018
Organising entity: Federation for European Neuroscience Societies (FENS)
Monge MHG; Blesa, J; Sanchez-Gonzalez MA; Garcia-Cabezas, MA; Obeso, JA; Cavada, C.
- 13** **Title of the work:** Serotonergic innervation of the striatum in a non-human primate model of Parkinson's Disease
Name of the conference: 11th FENS Forum of Neuroscience
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Berlin, Germany
Date of event: 2018
Organising entity: Federation for European Neuroscience Societies (FENS)
Jimenez-Sanchez, L; Blesa, J; Del Rey, NL; Monge, MHG; Obeso, JA; Cavada, C.
- 14** **Title of the work:** Variable selection using machine-learning to identify new signatures of patient-derived aggregated α -synuclein-induced neurodegeneration in non-human primates
Name of the conference: Movement Disorders 2018 International Congress
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Hong Kong, China
Date of event: 2018
Organising entity: Movement Disorders Society



M Bourdenx; A Nioche; S. Dovero; ML Arotçarena; S Camus; G Porras; ML Thiolat; N Rougier; A Prigent; P Aubert; S Bohic; N. Kruse; B Mollenhauer; S Novello; M Morari; I Trigo; M Goillandeau; M Tasselli; C Perier; N Garcia Carrillo; C Estrada; A Recasens; J Blesa; M Herrero; P Derkinderen; M Vila; J Obeso; B Dehay; E Bezard. "Variable selection using machine-learning to identify new signatures of patient-derived aggregated α -synuclein-induced neurodegeneration in non-human primates".

- 15** **Title of the work:** Bidirectional gut-to-brain and brain-to-gut propagation of alpha-synuclein pathology in non-human primates
Name of the conference: 47st Annual Meeting of the Society for Neuroscience
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Washington, United States of America
Date of event: 2017
Organising entity: Society for Neuroscience
Dovero S; Prigent A; Arotcarena ML; Bourdenx M; Trigo Damas I; Aubert P; Porras G; Taselli M; Thiolat ML; Fernandez-Gomez F; Estrada C; Recasens A; Blesa J; Herrero M; Vila M; Obeso J; Derkinderen P; Dehay B; Bezard E. "Bidirectional gut-to-brain and brain-to-gut propagation of alpha-synuclein pathology in non-human primates". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2017.
- 16** **Title of the work:** Calretinin and tyrosine hydroxylase interneurons in the striatum of pre-symptomatic and symptomatic MPTP monkeys
Name of the conference: VI Congreso Internacional de Investigacion e Innovacion en Enfermedades Neurodegenerativas
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Lisboa, Portugal
Date of event: 2017
Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Lopez-Gonzalez del Rey N; Blesa J; Trigo-Damas I; Cavada C; Obeso JA.
- 17** **Title of the work:** Different role of microglia and astrocytes in the onset and progression of nigrostriatal degeneration.
Name of the conference: VI Congreso Internacional de Investigacion e Innovacion en Enfermedades Neurodegenerativas
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Lisboa, Portugal
Date of event: 2017
Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Quiroga-Varela A; Rodriguez-Chinchilla T; Molinet-Drona F; Blesa J; Trigo-Damas I; Pineda J; Belloso-Iguarategui A; Lopez-Gonzalez del Rey N; Gago B; Obeso JA; Rodriguez-Oroz MC.
- 18** **Title of the work:** Early loss of extra-striatal dopaminergic innervation in a progressive MPTP monkey model: a putative compensatory mechanism?
Name of the conference: 12th IBAGS Meeting
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: Yes
City of event: Merida, Mexico
Date of event: 2017

Organising entity: International Basal Ganglia Society
Trigo-Damas I; Vians-Lains A; Blesa J; Sanchez-Gonzalez MA; Cavada C; Obeso JA.

19 Title of the work: The fate of striatal TH neurons in pre-symptomatic MPTP monkeys, Incidental Lewy Bodies and Parkinson's Disease

Name of the conference: 12th IBAGS Meeting

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Merida, Mexico

Date of event: 2017

Organising entity: International Basal Ganglia Society

Blesa J; Lopez-Gonzalez del Rey N; Garcia-Espacia P; Trigo-Damas I; Ferrer I; Cavada C; Obeso JA.

20 Title of the work: Variable selection using machine learning to identify new signatures of patient-derived aggregated a-synuclein-induced neurodegeneration in non-human primates

Name of the conference: 47st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Washington, United States of America

Date of event: 2017

Organising entity: Society for Neuroscience

Bourdenx M; Dovero S; Nioche M; Arotcarena ML; Camus G; Porrás G; Thiolat ML; Rougier NP; Prigent A; Aubert P; Bohic S; Crosic N; Blesa J; Mollenhauer B; Novello S; Morari M; Trigo-Damas I; Goillandeau M; Taselli M; Perier C; Garcia-Carrillo M; Estrada C; Recasens A; Hererro-Izquierdo MT; Derkinderen M; Vila M; Obeso JA; Dehay B; Bezard E. "Variable selection using machine learning to identify new signatures of patient-derived aggregated a-synuclein-induced neurodegeneration in non-human primates". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2017.

21 Title of the work: Dopaminergic neurons intrinsic to the striatum: a potential compensatory mechanism in Parkinson's Disease?

Name of the conference: 3er Symposium on Biomedical Research-Advances and Perspectives in Neurociencia

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: European Union

Reasons for participation: Review before acceptance

City of event: Madrid, Spain

Date of event: 2016

Organising entity: CSIC- Universidad Autonoma de Madrid

Type of entity: Administrative Body of the National Health System

With external admission assessment committee: Yes

Lopez-Gonzalez de Rey N; Blesa J; Trigo-Damas I; Obeso JA; Cavada C. "Best Poster Presentation Award".

22 Title of the work: Dopaminergic neurons intrinsic to the striatum: potential compensatory mechanism in Parkinson's Disease?

Name of the conference: 46st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance



Corresponding author: Yes

City of event: San Diego, United States of America

Date of event: 2016

Organising entity: Society for Neuroscience

Blesa J; Lopez-Gonzalez del Rey N; Garcia-Espacia P; Trigo-Damas I; Ferrer I; Cavada C; Obeso JA. "Dopaminergic neurons intrinsic to the striatum: potential compensatory mechanism in Parkinson's Disease?". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2016.

23 Title of the work: Early loss of extra-striatal dopaminergic innervation in a progressive MPTP monkey model: a putative compensatory mechanism?

Name of the conference: 46st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: San Diego, United States of America

Date of event: 2016

Organising entity: Society for Neuroscience

Trigo-Damas I; Vian-Lains A; Iwamuro H; Blesa J; Sanchez-Gonzalez MA; Cavada C; Obeso JA. "Early loss of extra-striatal dopaminergic innervation in a progressive MPTP monkey model: a putative compensatory mechanism?". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2016.

24 Title of the work: TH+ neurons in the striatum of presymptomatic, symptomatic and L-DOPA treated MPTP monkeys

Name of the conference: IV Congreso Internacional de Investigacion e Innovacion en Enfermedades Neurodegenerativas

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Alicante, Spain

Date of event: 2016

Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)

With external admission assessment committee: Yes

Lopez-Gonzalez de Rey N; Blesa J; Trigo-Damas I; Cavada C; Obeso JA.

25 Title of the work: Extra-striatal dopaminergic activity and compensatory mechanisms in parkinsonian monkeys

Name of the conference: 12th Congreso de la Sociedad Española de Neurociencia

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Granada, Spain

Date of event: 2015

Organising entity: Sociedad Española de Neurociencia

Trigo-Damas, I; Iwamuro, H; Vian-Lains, A; Blesa, J; Cavada, C; Obeso, JA.

26 Title of the work: Metabolic changes associated with slow dopaminergic depletion: A longitudinal PET study in the MPTP primate model of Parkinson's disease

Name of the conference: 19th International Congress of Parkinson's Disease and Movement Disorders

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: San Diego, United States of America

Date of event: 2015



Organising entity: Movement Disorders Society

With external admission assessment committee: Yes

Hernandez, LF; Molinet-Drona, F; Blesa, J; Juri, C; Collantes, M; Iglesias, E; Peñuelas, I; Obeso, JA. "Metabolic changes associated with slow dopaminergic depletion: A longitudinal PET study in the MPTP primate model of Parkinson's disease". En: Movement Disorders. 30, pp. S381. Wiley-Blackwell, 2015. ISSN 0885-3185

- 27** **Title of the work:** Pattern of striatal dopamine loss in asymptomatic and symptomatic MPTP-treated monkeys
Name of the conference: 12th Congreso de la Sociedad Española de Neurociencia
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Granada, Spain
Date of event: 2015
Organising entity: Sociedad Española de Neurociencia
Blesa, J; Cavada, C; Piffl, C; Hornykiewicz, O; Obeso, JA.
- 28** **Title of the work:** Focused Ultrasound-facilitated AAV-GDNF Delivery Triggers Neuroprotective Effects in a Parkinson's-disease Mouse Model
Name of the conference: 4th International Symposium Focused Ultrasound
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Washington, United States of America
Date of event: 2014
Organising entity: Focus Ultrasound Foundation
Konofagou, E; Przedborski, S; Samiotaki, G; Sun, T; Blesa, J; Jackson-Lewis, V; Oluyemi, O; Wang, S.
- 29** **Title of the work:** Longitudinal PET assessment of metabolic changes associated with slow dopaminergic depletion in the MPTP primate model of Parkinson Disease
Name of the conference: 44th Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Washington, United States of America
Date of event: 2014
Organising entity: Society for Neuroscience
Molinet-Drona, F; Blesa, J; Juri, C; Collantes, M; Iglesias, E; Peñuelas, I; Obeso, JA. "Longitudinal PET assessment of metabolic changes associated with slow dopaminergic depletion in the MPTP primate model of Parkinson Disease". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2014.
- 30** **Title of the work:** Neuroprotective effects induced by focused ultrasound-facilitated AAV-GDNF delivery in a Parkinson's-disease mouse model
Name of the conference: 44th Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Washington, United States of America
Date of event: 2014
Organising entity: Society for Neuroscience
Wang, S; Olumolade, O; Jackson-Lewis, V; Blesa, J; Sun, T; Samiotaki, G; Przedborski, S; Konofagou, E. "Neuroprotective effects induced by focused ultrasound-facilitated AAV-GDNF delivery in a



Parkinson's-disease mouse model". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2014.

- 31 Title of the work:** Resemblance of clinical metabolic changes using PET imaging in a progressive MPTP primate model of Parkinson's Disease
Name of the conference: 9th FENS Forum of Neuroscience
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Milan, Italy
Date of event: 2014
Organising entity: Federation of European Neuroscience Societies (FENS)
Molinet-Dronca, F; Iglesias, E; Blesa, J; Juri, C; Collantes, M; Prieto, E; Penuelas, I; Obeso, JA.
- 32 Title of the work:** Resemblance of clinical metabolic changes using PET imaging in a progressive MPTP primate model of Parkinson's Disease
Name of the conference: II Congreso Internacional de Investigación e Innovación en Enfermedades Neurodegenerativas (CIIEN)
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2014
Organising entity: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Molinet-Dronca, F; Iglesias, E; Blesa, J; Juri, C; Collantes, M; Prieto, E; Penuelas, I; Obeso, JA.
- 33 Title of the work:** The nature of the brain dopamine storage defect in Parkinson's disease: A study in isolated synaptic vesicles of human caudate and putamen
Name of the conference: 44st Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Washington, United States of America
Date of event: 2014
Organising entity: Society for Neuroscience
Piffl, C; Rajput, A; Reither, H; Blesa, J; Cavada, C; Obeso, JA; Rajput, AH; Hornykiewicz, O. "The nature of the brain dopamine storage defect in Parkinson's disease: A study in isolated synaptic vesicles of human caudate and putamen". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2014.
- 34 Title of the work:** Extra-striatal compensatory mechanisms in the progressive MPTP monkey model of Parkinson's Disease
Name of the conference: Basal Ganglia Cells and Circuits in Health and Disease
Type of event: Workshop **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Ventura, United States of America
Date of event: 2014
Organising entity: Gordon Research Conferences
Adanez, R; Fernandez-Hernandez, L; Mengod, G; Blesa, J; Piffl, C; Cortes, R; Iglesias, E; Rodriguez-Oroz, MC; Hornykiewicz, O; Cavada, C; Marin, C; Obeso, JA.
- 35 Title of the work:** Lewy body fractions from patients with Parkinson Disease initiate synuclein-dependent neurodegeneration in mice and non-human primates
Name of the conference: 43st Annual Meeting of the Society for Neuroscience



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: Non EU International
Reasons for participation: Review before acceptance

City of event: San Diego, United States of America
Date of event: 2013

Organising entity: Society for Neuroscience

Dehay, B; Recasens, A; Bove, j; Carballo-Carvajal, I; Dovero, S; Perez, A; Fernagut, PO; Blesa, J; Doudnikoff, E; Parent, A; Perier, C; Farinas, I; Obeso, JA; Bezard, E; Vila, M. "Lewy body fractions from patients with Parkinson Disease initiate synuclein-dependent neurodegeneration in mice and non-human primates". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 43, 2013.

36 Title of the work: Lewy body fractions from patients with Parkinson Disease initiate synuclein-dependent neurodegeneration in mice and non-human primates

Name of the conference: 3rd World Parkinson Congress

Type of event: Conference **Geographical area:** Non EU International

Type of participation: 'Participatory - poster

City of event: Montreal, Canada

Date of event: 2013

Organising entity: World Parkinson Coalition

Recasens, A; Dehay, B; Bove, j; Carballo-Carvajal, I; Dovero, S; Perez, A; Fernagut, PO; Blesa, J; Doudnikoff, E; Parent, A; Perier, C; Farinas, I; Obeso, JA; Bezard, E; Vila, M.

37 Title of the work: Role of Sonic Hedgehog in maintaining striatal homeostasis

Name of the conference: 3rd World Parkinson Congress

Type of event: Conference **Geographical area:** Non EU International

Type of participation: 'Participatory - poster

City of event: Montreal, Canada

Date of event: 2013

Organising entity: World Parkinson Coalition

Gonzalez-Reyes, LE; Verbitsky, M; Blesa, J; Jackson-Lewis, V; Paredes, D; Tillack, K; Phani, S; Kramer, ER; Przedborski, S; Kottmann AH.

38 Title of the work: Glycerol-tris-3-hydroxybutyrate protects dopaminergic neurons in a MPTP model of Parkinson's Disease

Name of the conference: 42nd Annual Meeting of the Society for Neuroscience

Type of event: Conference **Geographical area:** Non EU International

Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance

City of event: New Orleans, United States of America

Date of event: 2012

Organising entity: Society for Neuroscience

Blesa, J; Jackson-Lewis, V; Boaz, N; Hashim, S.;; Przedborski, S. "Glycerol-tris-3-hydroxybutyrate protects dopaminergic neurons in a MPTP model of Parkinson's Disease". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 42, 2012.

39 Title of the work: Comparative translational profiling of dopaminergic neurons in mouse models for Parkinson's disease

Name of the conference: Mitochondrial Dynamics and Function. Cell Death Pathways: Beyond Apoptosis

Type of event: Conference **Geographical area:** Non EU International

Type of participation: 'Participatory - poster

City of event: Banff, Canada

Date of event: 2012



Organising entity: Keystone Symposia on Molecular and Cellular Biology

Brichta, L; Jackson-Lewis, V; Blesa, J; Schmidt, EF; Roussarie, JP; Bustamante, G; Walker, Z; Sezer, B; Heiman, M; Heintz, N; Przedborski, S; Greengard, P.

40 Title of the work: Dopamine denervation of the thalamic mediodorsal nucleus in MPTP parkinsonian monkeys

Name of the conference: 8th FENS Forum of Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Barcelona, Spain

Date of event: 2012

Organising entity: Federation of European Neuroscience Societies (FENS)

Gonzalez-Monje, MH; Blesa, J; Garcia-Cabezas, MA; Olivares, A; Iglesias, E; Adanez, R; Rodriguez-Oroz, MC; Obeso, JA; Avendaño, C; Cavada, C.

41 Title of the work: Extra-striatal dopaminergic modulation in the MPTP monkey model of Parkinson's Disease

Name of the conference: 8th FENS Forum of Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Barcelona, Spain

Date of event: 2012

Organising entity: Federation of European Neuroscience Societies (FENS)

Trigo-Damas, I; Pifl, C; Iwamuro, H; Blesa, J; Hornykiewicz, O; Cavada, C; Obeso, JA.

42 Title of the work: Basal ganglia compensatory mechanisms of dopaminergic deficit: Early changes in the MPTP monkey model

Name of the conference: 41st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Washington, United States of America

Date of event: 2011

Organising entity: Society for Neuroscience

Adanez, R; Marin, C; Mengod, G; Cortes, R; Iglesias, E; Blesa, J; Rodriguez-Oroz, M. C; Obeso, J. A. "Basal ganglia compensatory mechanisms of dopaminergic deficit: Early changes in the MPTP monkey model". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 41, 2011.

43 Title of the work: Characterization of a progressive experimental model of Parkinson's disease: Intraventricular 6-OHDA administration in awake rats

Name of the conference: 41st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Washington, United States of America

Date of event: 2011

Organising entity: Society for Neuroscience

Quiroga, A; Blesa, J; Aguilar, E; Obeso, J. A.; Marin, C. En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 41, 2011.



- 44** **Title of the work:** Molecular changes underlying dopaminergic deficit compensation in a progressive MPTP monkey model
Name of the conference: 10th International Conference AD/PD
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Barcelona, Catalonia, Spain
Date of event: 2011
Organising entity: KARGER
Adanez, R; Marin, C; Blesa, FJ; Mengod, G; Cortes, R; Rodriguez-Oroz, MC; Iglesias, E; Cavada, C; Obeso, JA.
- 45** **Title of the work:** A new progressive MPTP monkey model of primate parkinsonism: correlation between neuroimaging and histology in striatum
Name of the conference: 7th FENS Forum of Neuroscience
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Amsterdam, Holland
Date of event: 2010
Organising entity: Federation for European Neuroscience Societies (FENS)
Blesa, J; Juri, C; Sanchez-Gonzalez MA; Collantes, M; Garcia-Cabezas, MA; Rodriguez-Oroz, MC; Peñuelas, I; Sanchez, JJ; Obeso, JA; Cavada, C.
- 46** **Title of the work:** Dopaminergic deficit compensation and molecular changes in the basal ganglia in a progressive mptp monkey model
Name of the conference: 40st Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: San Diego, United States of America
Date of event: 2010
Organising entity: Society for Neuroscience
Adanez, R; Marin, C; Blesa, J; Iglesias, E; Mengod, G; Cortes, R; Rodriguez-Oroz, M. C; Obeso, J. A. "Dopaminergic deficit compensation and molecular changes in the basal ganglia in a progressive mptp monkey model". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 40, 2010.
- 47** **Title of the work:** Meso-striatal system in MPTP parkinsonian monkeys: Correlation between histology and neuroimaging
Name of the conference: X International Basal Ganglia Society Meeting
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: New Jersey, United States of America
Date of event: 2010
Organising entity: International Basal Ganglia Society
Blesa, J; Juri, C; Sanchez-Gonzalez MA; Collantes, M; Garcia-Cabezas, MA; Rodriguez-Oroz, MC; Penuelas, I; Sanchez, JJ; Obeso, JA; Cavada, C.
- 48** **Title of the work:** PET neuroimaging and meso-striatal histopathology in a slow progressive MPTP model of monkey parkinsonism
Name of the conference: 40st Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance



City of event: San Diego, United States of America

Date of event: 2010

Organising entity: Society for Neuroscience

Cavada, C; Blesa, J; Sanchez-Gonzalez, MA; Juri, C; Avendano, C; Sanchez-Hernandez, JJ; Garcia-Cabezas, MA; Collantes, M; Iglesias, E; Rodriguez-Oroz, M. C; Penueles, I; Pifl, C; Hornykiewicz, O; Obeso, J. A. "PET neuroimaging and meso-striatal histopathology in a slow progressive MPTP model of monkey parkinsonism". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 40, 2010.

49 Title of the work: Role of striatal independence in the compensation of dopaminergic depletion in early Parkinson's Disease

Name of the conference: 14th International Congress of Parkinson's Disease and Movement Disorders

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Buenos Aires, Argentina

Date of event: 2010

Organising entity: Movement Disorders Society

With external admission assessment committee: Yes

Juri, C; Arbizu, J; Blesa, j; Rodriguez-Oroz, MC; Iglesias, E; Prieto, E; Collantes, M; Peñueles, I; Obeso, JA. "Role of striatal independence in the compensation of dopaminergic depletion in early Parkinson's Disease". En: Movement Disorders. 25 - 7, pp. S384 - S385. Wiley-Blackwell, 2010. ISSN 0885-3185

50 Title of the work: Striatal dopamine metabolism in a slow progressive MPTP model of monkey parkinsonism

Name of the conference: 40st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: San Diego, United States of America

Date of event: 2010

Organising entity: Society for Neuroscience

Blesa, J; Pifl, C; Adanez, R; Iglesias, E; Sanchez-Hernandez, JJ; Rodriguez-Oroz, M. C; Cavada, C; Hornykiewicz, O; Obeso, J. A. "Striatal dopamine metabolism in a slow progressive MPTP model of monkey parkinsonism". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 40, 2010.

51 Title of the work: Contralateral dopaminergic activity is a compensatory mechanism in Parkinson's disease

Name of the conference: 3rd Alban Conference

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Oporto, Portugal

Date of event: 2009

Organising entity: Alban

Juri, C; Arbizu, J; Blesa, J; Collantes, M; Rodriguez-Oroz, MC; Prieto, E; Iglesias, E; Peñueles, I; Obeso, JA.

52 Title of the work: Meso-striatal system in MPTP parkinsonian monkeys: Correlation between histology and neuroimaging

Name of the conference: 39st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Chicago, United States of America



Date of event: 2009

Organising entity: Society for Neuroscience

Blesa, J; Sanchez-Gonzalez MA; Juri, C; Collantes, M; Prieto, E; Iglesias, E; Garcia-Cabezas, MA; Rodriguez-Oroz, MC; Penuelas, I; Avendano, C; Obeso, JA; Cavada, C. "Meso-striatal system in MPTP parkinsonian monkeys: Correlation between histology and neuroimaging". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 39, 2009.

53 Title of the work: Metabolic mapping of MPTP induced parkinsonism in non-human primates. An 18F-FDG PET Study

Name of the conference: 9th International Conference AD/PD

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

City of event: Praga, Czech Republic

Date of event: 2009

Organising entity: AD&PD

Juri, C; Blesa, J; Collantes, M; Adanez, R; Iglesias, E; Rodriguez-Oroz, MC; Prieto, E; Peñuelas, I; Obeso, JA.

54 Title of the work: Progression of MPTP induced Parkinsonism in Monkeys. A multiligand PET study

Name of the conference: 13th International Congress of Parkinson's disease and Movement Disorders

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Paris, France

Date of event: 2009

Organising entity: Movement Disorders Society

With external admission assessment committee: Yes

Juri, C; Blesa, J; Iglesias, E; Collantes, M; Rodriguez-Oroz, MC; Prieto, E; Peñuelas, I; Obeso, JA. "Progression of MPTP induced Parkinsonism in Monkeys. A multiligand PET study". En: Movement Disorders. 24, pp. S36 - S36. Wiley-Blackwell, 2009. ISSN 0885-3185

55 Title of the work: Reciprocal relationship between the striatum bilaterally and compensation of dopaminergic depletion in early Parkinson's disease. An 18F-FDOPA PET study

Name of the conference: 39st Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Chicago, United States of America

Date of event: 2009

Organising entity: Society for Neuroscience

Juri, C; Arbizu, J; Blesa, J; Rodriguez-Oroz, MC; Guridi, J; Iglesias, E; Prieto, E; Marti, J; Collantes, M; Richter, J; Penuelas; Obeso, JA. "Reciprocal relationship between the striatum bilaterally and compensation of dopaminergic depletion in early Parkinson's disease. An 18F-FDOPA PET study". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 39, 2009.

56 Title of the work: Sistema meso-estriatal en monos con síndrome parkinsoniano por mptp: correlación entre histología y neuroimagen

Name of the conference: 13th Congreso de la Sociedad Española de Neurociencia

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Tarragona, Spain

Date of event: 2009



Organising entity: Sociedad Española de Neurociencia

Blesa, J; Sanchez-Gonzalez MA; Juri, C; Collantes, M; Prieto, E; Iglesias, E; Garcia-Cabezas, MA; Rodriguez-Oroz, MC; Peñuelas, I; Avendaño, C; Obeso, JA; Cavada, C.

57 Title of the work: Altered functions of GABA transporters in the globus pallidus of parkinsonian monkeys

Name of the conference: 38th Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Washington, United States of America

Date of event: 2008

Organising entity: Society for Neuroscience

Galvan, A; Hu, X; Blesa, J; Smith, Y; Wichmann, T. "Altered functions of GABA transporters in the globus pallidus of parkinsonian monkeys". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 38, 2008.

58 Title of the work: Construction of a new 15-animals-based MR template of the Macaca fascicularis brain and its application to improve the quantification of PET studies

Name of the conference: 20th European Association of Nuclear Medicine (EANM) Annual Congress

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Date of event: 2008

Organising entity: European Association of Nuclear Medicine

City organizing entity: Munich, Germany

With external admission assessment committee: Yes

Collantes, M; Prieto, E; Penuelas; Blesa, J; Juri, C; Marti-Climent, J; Quincoces; Arbizu, J; Obeso, JA; Richter, J. "Construction of a new 15-animals-based MR template of the Macaca fascicularis brain and its application to improve the quantification of PET studies". En: EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING. 35, pp. S130 - S130. Springer, 2008. ISSN 1619-7070

59 Title of the work: FDOPA PET in MPTP induced parkinsonism in monkeys resembles the findings of Parkinson's disease. A comparative study

Name of the conference: 12th International Congress of Parkinson's disease and Movement Disorders

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Chicago, United States of America

Date of event: 2008

Organising entity: Movement Disorders Society

Arbizu, J; Blesa, J; Juri, C; Rodriguez-Oroz, MC; Collantes, M; Peñuelas, I; Prieto, E; Iglesias, E; Marti-Climent, JM; Quincoces, G; Obeso, JA. "FDOPA PET in MPTP induced parkinsonism in monkeys resembles the findings of Parkinson's disease. A comparative study". En: Movement Disorders. 23 - 1, pp. S59 - S59. Wiley-Blackwell, 2008. ISSN 0885-3185

60 Title of the work: In vivo imaging of the mesostriatal dopaminergic system in a progressive primate model of Parkinson's disease

Name of the conference: 38th Annual Meeting of the Society for Neuroscience

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Washington, United States of America



Date of event: 2008

Organising entity: Society for Neuroscience

Blesa, FJ; Juri, C; Collantes, M; Prieto, E; Quincoces, G; Benitez-Temino, B; Iglesias, E; Marti-Climent, J; Rodriguez-Oroz, MC; Penuelas, I; Cavada, C; Obeso, JA. "In vivo imaging of the mesostriatal dopaminergic system in a progressive primate model of Parkinson's disease". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 38, 2008.

61 Title of the work: Mejora de la metodología de cuantificación de estudios PET cerebrales de Macaca fascicularis mediante la utilización de una plantilla de resonancia magnética

Name of the conference: 29nd Congreso Nacional de la Sociedad Española de Medicina Nuclear

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Valencia, Spain

Date of event: 2008

Organising entity: Sociedad Española de Medicina Nuclear

Collantes, M; Prieto, E; Peñuelas, I; Blesa, J; Juri, C; Marti-Climent, JM; Quincoces, G; Arbizu, J; Obeso, JA; Richter, JA.

62 Title of the work: Use of a Modular System for Routine Automated Production of C-11-(+/-) Dihidotetrabenazine without HPLC Purification

Name of the conference: 20th European Association of Nuclear Medicine (EANM) Annual Congress

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Munich, Germany

Date of event: 2008

Organising entity: European Association of Nuclear Medicine

With external admission assessment committee: Yes

Quincoces, G; Penuelas, I; Catalan, R; Collantes, M; Prieto, E; Garrastachu, P; Marti-Climent, J; Arbizu, J; Blesa, J; Obeso, JA; Richter, J. "Use of a Modular System for Routine Automated Production of C-11-(+/-) Dihidotetrabenazine without HPLC Purification". En: EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING. 35, pp. S130 - S130. Springer, 2008. ISSN 1619-7070

63 Title of the work: Degeneración de la vía dopaminérgica nigro-estriatal tras la administración sistémica de compuestos inhibidores del proteosoma

Name of the conference: 12th Congreso de la Sociedad Española de Neurociencia

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Valencia, Spain

Date of event: 2007

Organising entity: Sociedad Española de Neurociencia

Adanez, R; Alvarez-Erviti, K; Blesa, J; Barroso-Chinea, P; de Bernardo, S; Benitez-Temino, B; Rodriguez-Oroz, MC; Obeso, JA.

64 Title of the work: Estudio de un modelo de enfermedad de Parkinson en Macaca fascicularis mediante cuantificación de estudios micropet con 18F-DOPA y 11C-DTBZ

Name of the conference: 28nd Congreso Nacional de la Sociedad Española de Medicina Nuclear

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: Leon, Spain

Date of event: 2007

Organising entity: Sociedad Española de Medicina Nuclear



Collantes, M; Peñuelas, I; Blesa, J; Alvarez-Erviti, L; Marti-Climent, JM; Quincoces, G; Ecay, M; Arbizu, J; Rodriguez-Oroz, MC; Obeso, JA; Richter, JA.

- 65** **Title of the work:** Estudio mediante imagen de la degeneración nigro-estriatal en el modelo del mono MPTP
Name of the conference: 12th Congreso de la Sociedad Española de Neurociencia
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Valencia, Spain
Date of event: 2007
Organising entity: Sociedad Española de Neurociencia
Blesa, J; Alvarez-Erviti, L; Collantes, M; Benitez-Temino, B; Quincoces, G; Ecay, M; Iglesias, E; De Bernardo, S; Adanez, R; Peñuelas, I; Marti.Climent, JM; Arbizu, J; Richter, JA; Zubieta, JL; Rodriguez-Oroz, MC; Obeso, JA.
- 66** **Title of the work:** Proteasome system inhibition as a model of parkinson's disease
Name of the conference: Simposium Internacional Nuevos Avances en la Enfermedad de Parkinson
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Salamanca, Spain
Date of event: 2007
Organising entity: KRAGER
Adanez, R; Alvarez, L; Blesa, J; Barroso-Chinea, P; Iglesias, E; Benitez, B; Rodriguez-Oroz, MC; Obeso, JA.
- 67** **Title of the work:** 18FDOPA striatal uptake in Macaca fasciculais monkeys: methodological development for a Mosaic MicroPET scanner
Name of the conference: 18th European Association of Nuclear Medicine (EANM) Annual Congress
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Atenas, Greece
Date of event: 2006
Organising entity: European Association of Nuclear Medicine
With external admission assessment committee: Yes
Marti-Climent, J; Collantes, M; Penuelas; Alvarez-Erviti, L; Blesa, J; Ecay, M; Arbizu, J; Obeso, JA; Richter, J. "18FDOPA striatal uptake in Macaca fasciculais monkeys: methodological development for a Mosaic MicroPET scanner". En: EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING. 33, pp. S118 - S118. Springer, 2006. ISSN 1619-7070
- 68** **Title of the work:** Estudios dinámicos de 18FDOPA en monos: desarrollo metodológico en un equipo MicroPET
Name of the conference: 27nd Congreso Nacional de la Sociedad Española de Medicina Nuclear
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Granada, Spain
Date of event: 2006
Organising entity: Sociedad Española de Medicina Nuclear
Marti-Climent, JM; Collantes, M; Peñuelas, I; Alvarez-Erviti, L; Blesa, J; Ecay, M; Arbizu, J; Obeso, JA; Richter, JA.



- 69** **Title of the work:** Imaging the nigro-striatal dopaminergic system in the rat and monkey models of Parkinson's disease
Name of the conference: 36th Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Atlanta, United States of America
Date of event: 2006
Organising entity: Society for Neuroscience
Blesa, FJ; Alvarez-Erviti, L; Collantes, M; Rodriguez-Oroz, MC; Ecay, M; Benitez, B; Iglesias, E; Marti, JM; Arbizu, J; Penuelas, I; Obeso, JA. En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 36, 2006.
- 70** **Title of the work:** Role of bone marrow and stromal cells in an animal model of Parkinson's disease
Name of the conference: 36th Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Atlanta, United States of America
Date of event: 2006
Organising entity: Society for Neuroscience
Alvarez-Erviti, L; Rodriguez, M; Blesa, FJ; Rodriguez-Oroz, MC; Obeso, JA. "Role of bone marrow and stromal cells in an animal model of Parkinson's disease". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 36, 2006.
- 71** **Title of the work:** Aportación de los estudios micropet en la investigación de diversos modelos animales de enfermedades humanas en rata, ratón y mono
Name of the conference: 26nd Congreso Nacional de la Sociedad Española de Medicina Nuclear
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Tenerife, Spain
Date of event: 2005
Organising entity: Sociedad Española de Medicina Nuclear
Peñuelas, I; Marti-Climent, JM; Ecay, M; Quincoces, G; Zabala, M; Kramer, G; Alvarez, L; Blesa, J; Obeso, JA; Abizanda, G; Prosper, F; Lecanda, F; Arbizu, J; Garcia-Velloso, MJ; Richter, JA.
- 72** **Title of the work:** Disquinesias bilaterales inducidas por levodopa en el modelo de lesión bilateral en la rata
Name of the conference: 53nd Congreso de la Sociedad Española de Neurología
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 2005
Organising entity: Sociedad Española de Neurología **Type of entity:** Public Research Body
Alvarez-Erviti, L; Marin, C; Blesa, J; Juri, C; Rodriguez-Oroz, MC; Espinosa, J; Aguilar, E; Rodriguez, M; Obeso, JA.
- 73** **Title of the work:** Experimental model of bilateral dyskinesias induced by levodopa in rat
Name of the conference: 35th Annual Meeting of the Society for Neuroscience
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance



City of event: Washington, United States of America

Date of event: 2005

Organising entity: Society for Neuroscience

Alvarez-Erviti, L; Marin, C; Blesa, FJ; Juri, C; Rodriguez-Oroz, MC; Espinosa, J; Aguilar, E; Rodriguez, M; Obeso, JA. "Experimental model of bilateral dyskinesias induced by levodopa in rat". En: Society for Neuroscience Abstract Viewer and Itinerary Planner. 35, 2005.

74 Title of the work: Grado de lesión y disquinesias por levodopa en el modelo de lesión intraestriatal de 6-hidroxidopamina en la rata

Name of the conference: 53nd Congreso de la Sociedad Española de Neurología

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Barcelona, Spain

Date of event: 2005

Organising entity: Sociedad Española de Neurología

Type of entity: Associations and Groups

Blesa, J; Juri, C; Alvarez-Erviti, L; Espinosa, J; Rodriguez-Oroz, MC; Guridi, J; Obeso, JA; Aguilar, E; Marin, C.

75 Title of the work: Modelo experimental de disquinesias bilaterales inducidas por levodopa en la rata

Name of the conference: 11th Congreso de la Sociedad Española de Neurociencia

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Malaga, Spain

Date of event: 2005

Organising entity: Sociedad Española de Neurociencia

Alvarez-Erviti, L; Marin, C; Blesa, J; Juri, C; Rodriguez-Oroz, MC; Espinosa, J; Aguilar, E; Rodriguez, M; Obeso, JA.

76 Title of the work: Topografía y disquinesias por levodopa tras administración intraestriatal de 6-hidroxidopamina en la rata

Name of the conference: 11th Congreso de la Sociedad Española de Neurociencia

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Malaga, Spain

Date of event: 2005

Organising entity: Sociedad Española de Neurociencia

Blesa, J; Juri, C; Alvarez-Erviti, L; Espinosa, J; Rodriguez-Oroz, MC; Guridi, J; Obeso, JA; Aguilar, E; Marin, C.

Other dissemination activities

1 Title of the work: STOP PD

Name of the event: STOP PD

Type of event: Conferences given

City of event: Mostoles, Spain

Date of event: 31/05/2019

Organising entity: Zambon, S.A.

Type of entity: Business

City organizing entity: Mostoles, Spain



- 2** **Title of the work:** Vulnerabilidad neuronal en la enfermedad de Parkinson
Name of the event: Siglo XXI y enfermedades neurodegenerativas: retos y esperanzas terapeuticas
City of event: Valdivia, Chile
Date of event: 26/01/2019
Organising entity: Universidad Austral de Chile
City organizing entity: Valdivia, Chile
- 3** **Title of the work:** HIFU y barrera hematoencefalica
Name of the event: Jornada enfermedad de Parkinson: logros y retos
Type of event: Conferences given
City of event: Mostoles, Spain
Date of event: 06/04/2018
Organising entity: HM Hospitales
- 4** **Title of the work:** Vulnerabilidad neural y agregados de sinucleina en el enfermedad de Parkinson
Name of the event: Simposio Cajal
Type of event: Conferences given
City of event: Madrid, Spain
Date of event: 20/10/2017
Organising entity: Real Academia Nacional de Medicina
Type of entity: .
- 5** **Title of the work:** Mecanismos compensatorios en el Enfermedad de Parkinson
Name of the event: Aproximacion a la Neurociencia
Type of event: Conferences given
City of event: Madrid, 26/04/2017, Spain
Date of event: 26/04/2017
Organising entity: Fundación Jiménez Díaz
Type of entity: Foundation
- 6** **Title of the work:** Avances en Neurociencia: enfermedad de Parkinson
Name of the event: XV Controversias en neurologia
Type of event: Conferences given
City of event: Madrid, Spain
Date of event: 22/10/2016
Organising entity: TEVA
- 7** **Title of the work:** Ultrasonidos Focal: una nueva posibilidad terapeutica en el tratamiento de la Enfermedad de Parkinson
Name of the event: Vivir y envejecer con la Enfermedad de Parkinson: la nueva realidad
Type of event: Conferences given
City of event: Madrid, Spain
Date of event: 11/06/2016
Organising entity: HM Hospitales
- 8** **Title of the work:** Mecanismos compensatorios en la Enfermedad de Parkinson: modelo de MPTP en primates
Name of the event: Aula de Formacion
Type of event: Conferences given
City of event: Logroño, Spain
Date of event: 07/06/2016
Organising entity: Centro de Investigacion Biomedica de la Rioja (CIBIR)



- 9** **Title of the work:** Avances neurocientíficos en la Enfermedad de Parkinson: que ha cambiado?
Name of the event: Understanding Parkinson Disease Disease: cell vulnerability and disease progression
Type of event: Conferences given
City of event: Pamplona, Spain
Date of event: 12/04/2014
Organising entity: Universidad de Navarra/Lundbeck
City organizing entity: Pamplona, Spain

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Tribunal de Tesis Doctoral Daniel Enterría Morales
Affiliation entity: Instituto de Biomedicina de Sevilla
City affiliation entity: Sevilla, Spain
End date: 23/05/2019
- 2** **Committee title:** Tribunal de Tesis Doctoral María Angelica Córdoba
Affiliation entity: Universidad Autónoma de Madrid **Type of entity:** University
City affiliation entity: Madrid, Spain
End date: 07/09/2017
- 3** **Committee title:** Tribunal de Tesis Doctoral Alberto Parras Rodríguez
Affiliation entity: Centro de Biología Molecular Severo Ochoa **Type of entity:** State agency
City affiliation entity: Madrid, Spain
End date: 07/07/2017
- 4** **Committee title:** Tribunal de Tesis Doctoral Ana Aransay
Affiliation entity: Universidad Autónoma de Madrid **Type of entity:** University
City affiliation entity: Madrid, Spain
End date: 08/06/2017
- 5** **Committee title:** Tribunal de Tesis Doctoral Francisco Molinet Drona
Affiliation entity: Universidad de Navarra **Type of entity:** University
City affiliation entity: Pamplona, Spain
End date: 08/02/2016

Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Reviewer
Entity where activity was carried out: Parkinsonism and Related Disorders
Start date: 2018
- 2** **Performed tasks:** Reviewer
Entity where activity was carried out: Experimental Neurology
Start date: 2017



- 3** **Performed tasks:** Reviewer
Entity where activity was carried out: Frontiers in Aging Neuroscience
Start date: 2017
- 4** **Performed tasks:** Reviewer
Entity where activity was carried out: Journal of Neural Transmission
Start date: 2017
- 5** **Performed tasks:** Reviewer
Entity where activity was carried out: Neuropharmacology
Start date: 2017
- 6** **Performed tasks:** Reviewer
Entity where activity was carried out: Oncotarget
Start date: 2017
- 7** **Performed tasks:** Associate Editor and Reviewer Editor (Member of the Editorial Board)
Entity where activity was carried out: Frontiers in Neuroanatomy
Type of entity: Journal
Start date: 2016
- 8** **Performed tasks:** Reviewer
Entity where activity was carried out: Molecular Neurobiology
Start date: 2016
- 9** **Performed tasks:** Reviewer
Entity where activity was carried out: Neurotoxicology and Teratology
Start date: 2016
- 10** **Performed tasks:** Reviewer
Entity where activity was carried out: Trends in Pharmacological Sciences
Start date: 2016
- 11** **Performed tasks:** Reviewer
Entity where activity was carried out: Behavioral Brain Neuroscience
Start date: 2015
- 12** **Performed tasks:** Reviewer
Entity where activity was carried out: Journal of Translational Medicine
Start date: 2015
- 13** **Performed tasks:** Reviewer
Entity where activity was carried out: PeerJ
Start date: 2015
- 14** **Performed tasks:** Reviewer
Entity where activity was carried out: PlosOne
Start date: 2015



- 15** **Performed tasks:** Reviewer
Entity where activity was carried out: Synapse
Start date: 2015
- 16** **Performed tasks:** Reviewer
Entity where activity was carried out: Frontiers in Cellular Neuroscience
Start date: 2014
- 17** **Performed tasks:** Reviewer
Entity where activity was carried out: Neurochemistry International
Start date: 2014
- 18** **Performed tasks:** Reviewer
Entity where activity was carried out: Journal of Pharmacy and Pharmacology
Start date: 2013
- 19** **Performed tasks:** Reviewer
Entity where activity was carried out: Neurobiology **Type of entity:** Journal of Disease
Start date: 2013
- 20** **Performed tasks:** Reviewer
Entity where activity was carried out: Neuroscience **Type of entity:** Journal
Start date: 2013
- 21** **Performed tasks:** Reviewer
Entity where activity was carried out: Movement Disorders Journal
Start date: 2012

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** The Rockefeller University **Type of entity:** University
Faculty, institute or centre: Paul Greengard Laboratory
City of entity: New York, United States of America
Start-End date: 01/03/2015 - 30/06/2015 **Duration:** 4 months
Funding entity: Rockefeller University
Goals of the stay: Contracted
Relevant results: Paul Greengard is "2000 Nobel Prize in Physiology or Medicine"
- 2** **Entity:** Columbia University **Type of entity:** University
Faculty, institute or centre: Motor Neuron Center, Pathology and Cell Biology
City of entity: Nueva York, United States of America
Start-End date: 01/03/2011 - 28/02/2015 **Duration:** 4 years
Funding entity: Ministerio de Educacion Español y Gobierno de Navarra
Goals of the stay: Post-doctoral
Relevant results: Reference: Serge Przedborksi



- 3** **Entity:** Universidad Autónoma de Madrid **Type of entity:** University
Faculty, institute or centre: Departamento de Histología, Anatomía y Neurociencia
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 01/10/2008 - 31/12/2009 **Duration:** 1 year - 3 months
Goals of the stay: Doctorate
Relevant results: Reference: Carmen Cavada
- 4** **Entity:** University of Vienna **Type of entity:** University
Faculty, institute or centre: Center for Brain Research
City of entity: Viena, Austria
Start-End date: 01/05/2009 - 30/05/2009 **Duration:** 1 month
Goals of the stay: Doctorate
Relevant results: Reference: Oleh Hornykiewicz and Christian Pifl
- 5** **Entity:** Emory University **Type of entity:** University
Faculty, institute or centre: Yerkes National Primate Research Center
City of entity: Atlanta, United States of America
Start-End date: 29/03/2008 - 29/06/2008 **Duration:** 3 months
Funding entity: Fundacion Bancaja **Type of entity:** Foundation
Name of programme: Beca Internacional Bancaja
Goals of the stay: Doctorate
Relevant results: Reference: Thomas Wichmann

Obtained grants and scholarships

- 1** **Name of the grant:** Programa Miguel Servet
City awarding entity: Madrid, Spain
Aims: Post-doctoral
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Amount of the grant: 242.500 €
Conferral date: 2019 **Duration:** 5 years
End date: 2024
Entity where activity was carried out: HM CINAC
- 2** **Name of the grant:** Ayuda a Proyectos de Investigacion en Neurociencia
Aims: Proyectos
Awarding entity: Fundacion Tatiana Perez de Guzman el Bueno **Type of entity:** Foundation
Conferral date: 01/11/2016 **Duration:** 3 years
End date: 30/09/2019
Entity where activity was carried out: HM CINAC
- 3** **Name of the grant:** Jovenes Excelentes
City awarding entity: Nueva York, United States of America
Aims: Ayuda
Awarding entity: Caja Burgos
Conferral date: 22/06/2011
End date: 31/10/2011
Entity where activity was carried out: Columbia University



Faculty, institute or centre: Motor Neuron Center

- 4** **Name of the grant:** Beca Internacional Bancaja
City awarding entity: Atlanta, United States of America
Aims: Pre-doctoral
Awarding entity: Fundacion Bancaja **Type of entity:** Foundation
Conferral date: 29/03/2008 **Duration:** 3 months
End date: 29/06/2008
Entity where activity was carried out: Emory University
Faculty, institute or centre: Yerkes National Primate Research Center
- 5** **Name of the grant:** Marie Sklodowska-Curie Actions Seal of Excellence
Aims: Award
Awarding entity: Comisión Europea **Type of entity:** -
Conferral date: 25/04/2017
Entity where activity was carried out: HM CINAC
Faculty, institute or centre: CINAC
- 6** **Name of the grant:** Alpha&Omega Award
Aims: Post-doctoral
Awarding entity: Alpha&OMega
Conferral date: 2017
- 7** **Name of the grant:** Society for Neuroscience 2016 Travel Award
City awarding entity: San Diego, United States of America
Aims: Asistencia a congreso
Awarding entity: SOCIEDAD ESPAÑOLA DE NEUROCIENCIA
Amount of the grant: 1.000 €
Conferral date: 2016
Entity where activity was carried out: 16th Congreso de la Society for Neuroscience
- 8** **Name of the grant:** Spanish Society for Neuroscience Travel Award
City awarding entity: Granada, Andalusia, Spain
Aims: Asistencia a congreso
Awarding entity: SOCIEDAD ESPAÑOLA DE NEUROCIENCIA
Amount of the grant: 400 €
Conferral date: 2015
Entity where activity was carried out: 16th Congreso de la SENC
- 9** **Name of the grant:** EURAXESS-Programa "ANABASID" de movilidad y atracción de talento investigador
City awarding entity: Nueva York, United States of America
Aims: Post-doctoral
Awarding entity: Gobierno de Navarra **Type of entity:** Organismo
Conferral date: 02/12/2011 **Duration:** 2 years
Entity where activity was carried out: Columbia University
Faculty, institute or centre: Motor Neuron Center
- 10** **Name of the grant:** Ayudas para movilidad postdoctoral en centros extranjeros, incluidas las Fulbright y Catedras "Príncipe de Asturias"
City awarding entity: Nueva York, United States of America
Aims: Post-doctoral



Awarding entity: Ministerio de Educacion

Conferral date: 29/09/2011

Entity where activity was carried out: Columbia University

Faculty, institute or centre: Motor Neuron Center

Type of entity: Public Research Body

Duration: 2 years

11 Name of the grant: Federation of European Neuroscience Societies Travel Award

City awarding entity: Amsterdam, Holland

Aims: Asistencia a congreso

Awarding entity: SOCIEDAD ESPAÑOLA DE NEUROCIENCIA

Conferral date: 2010

Entity where activity was carried out: FENS Forum 2010

12 Name of the grant: IBAGS X Travel Fellowship

City awarding entity: New Jersey, United States of America

Aims: Asistencia a congreso

Awarding entity: International Basal Ganglia Society

Conferral date: 2010

Entity where activity was carried out: X Meeting of the International Basal Ganglia Society

13 Name of the grant: Spanish Society for Neuroscience Travel Award

City awarding entity: Malaga, Andalusia, Spain

Aims: Asistencia a congreso

Awarding entity: SOCIEDAD ESPAÑOLA DE NEUROCIENCIA

Conferral date: 2009

Entity where activity was carried out: 13th Congreso de la SENC

Scientific societies and professional associations

1 Name of the society: International Basal Ganglia Society

Start date: 2010

2 Name of the society: Society for Neuroscience

City affiliation entity: United States of America

Start date: 2006

3 Name of the society: Federation of European Neuroscience Society

Start date: 2005

4 Name of the society: Sociedad Espanola de Neurociencia

Start date: 2005



Obtained accreditations/recognitions

- 1** **Description:** Marie Sklodowska-Curie Actions Seal of Excellence
Accrediting entity: Comisión Europea **Type of entity:** -
Date of recognition: 25/04/2017

- 2** **Description:** Profesor Colaborador Doctor
Accrediting entity: Ministerio de Educacion y la Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
City accrediting entity: Madrid, Community of Madrid, Spain
Date of recognition: 07/03/2016

- 3** **Description:** Profesor Universidad Privada
Accrediting entity: Ministerio de Educacion y la Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
City accrediting entity: Madrid, Community of Madrid, Spain
Date of recognition: 07/03/2016

- 4** **Description:** Profesor Ayudante Doctor
Accrediting entity: Ministerio de Educacion y la Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
City accrediting entity: Madrid, Community of Madrid, Spain
Date of recognition: 15/09/2010