



Rebeca Diez Alarcia

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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.

Como resultado de su actividad investigadora se han publicado 31 artículos científicos (7 como primera autora) en revistas internacionales peer-review en los campos de Farmacología, Psiquiatría y Neurociencia, 19 de ellos en revistas en el cuartil superior (Q1) según el ranking JCR (Journal Citation Reports) de sus categorías. Estas contribuciones científicas han recibido más de 460 citas en otras publicaciones científicas de acuerdo con el informe de citas de la base de datos de la Web Of Science (WOS) base de datos. Actualmente su índice h de acuerdo a la base de datos de WOS es 14. Además, también ha publicado 1 artículo científico en revistas nacionales y cinco capítulos de libro. Durante su carrera científica ha contribuido en 71 comunicaciones científicas tanto en congresos nacionales (24) como internacionales (47), y tanto en modalidad de póster (46) como con comunicaciones orales (25).

Rebeca Diez Alarcia

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Country of birth: **Spain**
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City of birth: **Burgos**
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Current professional situation

Employing entity: Universidad del País Vasco **Type of entity:** University
Department: Facultad de Medicina y Enfería
Professional category: Investigador doctor permanente
City employing entity: Leioa, Basque Country, Spain
Phone: (0034) 946015633 **Fax:** (0034) 946013220 **Email:** r.diezalarcia@ehu.eus
Start date: 20/05/2013
Type of contract: Permanent employment contract **Dedication regime:** Full time
Primary (UNESCO code): 320909 - Psychopharmacology
Performed tasks: Neurorreceptores; Cerebro humano; Depresión; Antidepresivos; Esquizofrenia; Antipsicóticos; Monoaminas; Neuropsicofarmacología

Previous positions and activities

	Employing entity	Professional category	Start date
1	Centro de Investigación Biomédica en Red de Salud Mental (CIBERSAM)	Investigador doctor contratado	02/01/2008

	Employing entity	Professional category	Start date
2	ISCI-RETIC REM-TAP (Red de enfermedades mentales y trastornos afectivos y psicóticos)	Investigador doctor contratado	01/04/2007
3	Universidad del País Vasco/Euskal Herriko Unibertsitatea (UPV/EHU)	Investigador post-doctoral contratado	02/08/2004
4	Universidad de León	Colaborador honorífico	01/09/2003
5	Universidad de León	Becaria FPU	01/01/2000
6	Universidad de León	Becaria asociada a proyecto FEDER	01/08/1999
7	Instituto Biomar S.A.	Prácticas en Alternancia	01/07/1999
8	Universidad de León	Becaria de colaboración	09/1998
9	Universidad de León	Alumna interna	01/07/1995

1 **Employing entity:** Centro de Investigación Biomédica en Red de Salud Mental (CIBERSAM) **Type of entity:** Public Research Body
Professional category: Investigador doctor contratado
Start-End date: 02/01/2008 - 20/05/2013
Type of contract: Permanent employment contract
Dedication regime: Full time

2 **Employing entity:** ISCI-RETIC REM-TAP (Red de enfermedades mentales y trastornos afectivos y psicóticos)
Professional category: Investigador doctor contratado
Start-End date: 01/04/2007 - 31/01/2008
Type of contract: Temporary employment contract
Dedication regime: Full time

3 **Employing entity:** Universidad del País Vasco/Euskal Herriko Unibertsitatea (UPV/EHU)
Professional category: Investigador post-doctoral contratado
Start-End date: 02/08/2004 - 31/03/2007

4 **Employing entity:** Universidad de León
Professional category: Colaborador honorífico
Start-End date: 01/09/2003 - 30/06/2004

5 **Employing entity:** Universidad de León
Professional category: Becaria FPU
Start-End date: 01/01/2000 - 31/12/2003

6 **Employing entity:** Universidad de León
Professional category: Becaria asociada a proyecto FEDER
Start-End date: 01/08/1999 - 31/12/1999

7 **Employing entity:** Instituto Biomar S.A.
Professional category: Prácticas en Alternancia
Start-End date: 01/07/1999 - 31/07/1999

8 **Employing entity:** Universidad de León
Professional category: Becaria de colaboración
Start-End date: 09/1998 - 06/1999

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CURRÍCULUM VÍTAE NORMALIZADO

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- 9** **Employing entity:** Universidad de León
Professional category: Alumna interna
Start-End date: 01/07/1995 - 30/09/1998



Education

University education

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

1 University degree: Doctorate

Name of qualification: Curso oficial de doctorado en Comunicación Celular

Degree awarding entity: Universidad de León

Type of entity: University

Date of qualification: 09/2001

2 University degree: Higher degree

Name of qualification: Licenciada en Ciencias Biológicas

Degree awarding entity: Universidad de León

Type of entity: University

Date of qualification: 06/1999

Average mark: Excellent

Doctorates

Doctorate programme: Doctorado en Ciencias Biológicas

Degree awarding entity: Universidad de León

Type of entity: University

City degree awarding entity: León, Castile and León, Spain

Date of degree: 02/07/2004

DEA awarding entity: Universidad de León

Date DEA was awarded: 23/09/2002

Thesis title: "Caracterización y distribución de los receptores alfa2-adrenérgicos encefálicos de Gallus gallus"

Thesis director: Arsenio Fernández López

Obtained qualification: Sobresaliente Cum Laude

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

1 Training title: "Recognition of pain, suffering and distress and its application in the evaluation of severity of the procedures (species specific: mice and rats)". Edition 1.

Awarding entity: HERMES (Harmonisation & Recognition of LAS education and training in Member States)

End date: 30/11/2020

Duration in hours: 10 hours

2 Training title: "La información de patentes como herramienta clave en la investigación en el entorno sanitario"

Awarding entity: Plataforma de Innovación en Tecnologías Médicas y Sanitarias (ITEMAS)

End date: 24/11/2020

Duration in hours: 1 hour

3 Type of training: Course

Training title: Programa AKADEME para el liderazgo de las académicas de la UPV/EHU

Awarding entity: Dirección de Igualdad de la Universidad del País Vasco UPV/EHU.

**End date:** 13/02/2020**Duration in hours:** 50 hours

- 4 Training title:** "How to write successful H2020 proposals (with special focus on impact)"
Awarding entity: Oficina I+D Internacional de la Universidad del País Vasco y la Oficina de Proyectos Internacionales de Investigación de la Universidad de Deusto
End date: 12/12/2018 **Duration in hours:** 4 hours
- 5 Training title:** "Aplicaciones de la proteómica: identificación, cuantificación y modificaciones postraduccionales"
Awarding entity: el Servicio de Genómica, Unidad de Proteómica de los SGIKER
End date: 16/07/2018 **Duration in hours:** 20 hours
- 6 Training title:** Cómo gestionar, animar y hacer productivas las reuniones de trabajo
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 03/07/2018 **Duration in hours:** 4 hours
- 7 Training title:** XXV Curso de actualización en Psiquiatría. "Adherencia terapéutica en Psiquiatría"
Awarding entity: Hospital Santiago Apostol **Type of entity:** Healthcare Institutions
End date: 03/03/2017 **Duration in hours:** 21 hours
- 8 Training title:** Curso Práctico de IMAGEN DIGITAL EN MICROSCOPIA en Biomedicina
Awarding entity: Servicio general de microscopía analítica y de alta resolución en biomedicina, SGIKER, Universidad del País Vasco (UPV/EHU)
End date: 06/06/2016 **Duration in hours:** 20 hours
- 9 Training title:** III Jornada de Bancos de Tejidos Neurológicos y Salud Mental
Awarding entity: Unidad de Formación e Investigación (UFI) en Neuroquímica, Neurofarmacología y Psiquiatría
End date: 14/03/2016
- 10 Training title:** Abordaje de los primeros episodios psicóticos (PEPs) desde una perspectiva traslacional y de investigación básica
Awarding entity: UPV/EHU & CIBERSAM
End date: 26/02/2016
- 11 Training title:** "Principios de centrifugación, el uso seguro y mantenimiento de rotores Beckman Coulter"
Awarding entity: Izasa, S.A. **Type of entity:** Business
End date: 18/02/2016 **Duration in hours:** 3 hours
- 12 Training title:** Gestión de Residuos sanitarios en la UPV/EHU
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 29/10/2015 **Duration in hours:** 3 hours
- 13 Training title:** Curso de Formación en Gestión de Residuos
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 09/05/2011 **Duration in hours:** 3 hours
- 14 Training title:** Curso de Formación en Riesgo Biológico
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 24/03/2011 **Duration in hours:** 5 hours



- 15 Training title:** Curso de Formación en Seguridad en Laboratorios
Awarding entity: Universidad del País Vasco
End date: 23/03/2011
Type of entity: University
Duration in hours: 4 hours
- 16 Training title:** XIX Curso de actualización en Psiquiatría. “Cuestiones de actualidad en psiquiatría”
Awarding entity: Hospital Santiago Apostol
End date: 03/03/2011
Type of entity: Healthcare Institutions
Duration in hours: 20 hours
- 17 Training title:** XX Curso avanzado sobre Receptores para Neurotransmisores
Awarding entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
End date: 14/05/2010
Duration in hours: 20 hours
- 18 Training title:** XVIII Curso de actualización en Psiquiatría. “Los trastornos depresivos a la luz del progreso en psiquiatría”
Awarding entity: Hospital Santiago Apostol
End date: 05/03/2010
Type of entity: Healthcare Institutions
Duration in hours: 20 hours
- 19 Training title:** XVII Curso de actualización en Psiquiatría. “Esquizofrenia: Sociogénesis, psicogénesis y condicionamiento biológico”
Awarding entity: Hospital Santiago Apostol
End date: 06/03/2009
Type of entity: Healthcare Institutions
Duration in hours: 20 hours
- 20 Training title:** Supervisor de Instalaciones Radiactivas
Awarding entity: Universitat Autònoma de Barcelona
End date: 15/02/2008
Duration in hours: 43 hours
- 21 Training title:** “Introducción a la microscopía confocal”
Awarding entity: Servicio general de microscopía analítica y de alta resolución en biomedicina, Universidad del País Vasco (UPV/EHU)
End date: 23/01/2008
- 22 Training title:** XIV Curso avanzado sobre Receptores para Neurotransmisores
Awarding entity: Universidad de Cantabria
End date: 07/05/2004
Type of entity: University
Duration in hours: 20 hours
- 23 Training title:** Mecanismos moleculares implicados en el desarrollo tumoral. Perspectivas en diagnóstico y tratamiento
Awarding entity: Comisión de Formación Continuada, Servicio de Neurología y Unidad de Biología Molecular del Hospital de León
End date: 15/10/2003
Duration in hours: 10 hours
- 24 Training title:** VII Curso de Introducción a la Experimentación y Protección Animal
Awarding entity: Universidad de León
End date: 26/09/2003
Duration in hours: 30 hours
- 25 Training title:** XIII Curso avanzado sobre Receptores para Neurotransmisores
Awarding entity: Universidad de Cantabria
End date: 09/05/2003
Type of entity: University
Duration in hours: 20 hours



- 26 Training title:** Curso de técnicas diagnósticas en fauna exótica y salvaje.
Awarding entity: AVAFES-LEÓN y Facultad de Veterinaria de León.
End date: 16/03/2003 **Duration in hours:** 20 hours
- 27 Training title:** ABI PRISM 7000 Quantitative Real Time PCR Training
Awarding entity: Applied Biosystems
End date: 31/05/2002 **Duration in hours:** 25 hours
- 28 Training title:** X Curso avanzado sobre Receptores para Neurotransmisores
Awarding entity: Universidad de Cantabria **Type of entity:** University
End date: 31/05/2000 **Duration in hours:** 20 hours
- 29 Training title:** Curso de autorradiografía, caracterización de los sitios de unión de benzodiazepinas
Awarding entity: Universidad de León
End date: 30/06/1999 **Duration in hours:** 30 hours

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

- 1 Title of course/seminar:** Despierta el interés de tus alumnos con PowerPoint: del puff al wow
Organising entity: Universitat de les Illes Balears dentro del Plan de Formación del Profesorado Covid del Campus Digital Compartido del Grupo 9 de Universidades
Duration in hours: 25 hours
Start-End date: 15/11/2020 - 20/12/2020
- 2 Title of course/seminar:** Presentación, dinamización y evaluación de portafolios electrónicos del alumnado con Mahara
Organising entity: Grupo G9 de Universidades
Duration in hours: 37 hours
Start-End date: 27/04/2020 - 20/05/2020
- 3 Title of course/seminar:** Rúbricas para la orientación y evaluación del aprendizaje situacional
Goals of the course/seminar: Programa de Formación Docente del Profesorado Universitario (FOPU)
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 24 hours
Start-End date: 12/09/2019 - 19/09/2019
- 4 Title of course/seminar:** Creación de entornos virtuales de aprendizaje
Goals of the course/seminar: Plan de Formación del Profesorado Universitario del Campus Virtual Compartido del Grupo 9 de Universidades
Organising entity: Universidad de Castilla-La Mancha **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 08/04/2019 - 03/05/2019
- 5 Title of course/seminar:** Communication skills
Goals of the course/seminar: Seminario de Inglés Técnico/Académico para el personal docente e investigador
Organising entity: Vicerrectorado del Campus de Bizkaia de la UPV/EHU
Duration in hours: 25 hours
Start-End date: 22/05/2018 - 21/06/2018



- 6** **Title of course/seminar:** Introducción a la coeducación en disciplinas STEAM desde un enfoque de saberes: Comprensión, capacitación y actuación en la universidad
Goals of the course/seminar: Programa de Formación Docente del Profesorado Universitario (FOPU)
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 12 hours
Start-End date: 11/06/2018 - 13/06/2018
- 7** **Title of course/seminar:** Bases didácticas para enseñar en la universidad
Goals of the course/seminar: Programa de Formación Docente del Profesorado Universitario (FOPU)
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 24 hours
Start-End date: 05/06/2017 - 26/06/2017
- 8** **Title of course/seminar:** Introducción a Moodle
Goals of the course/seminar: Programa de Formación Docente del Profesorado Universitario de la Universidad del País Vasco (UPV/EHU)
Organising entity: Servicio de Asesoramiento Educativo (SAE-HELAZ) - de la Universidad del País Vasco UPV/EHU
Duration in hours: 10 hours
Start-End date: 01/03/2017 - 31/03/2014
- 9** **Title of course/seminar:** La nueva configuración del Doctorado en Europa
Goals of the course/seminar: Actualización sobre la nueva configuración del Doctorado en Europa
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 9 hours
Start-End date: 15/10/2010 - 15/10/2010

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

- 1** **Name of the course:** Farmacología y Drogodependencias
Type of programme: Master's degree **Type of teaching:** In person theory
University degree: Máster Universitario en Drogodependencias y otras adicciones
Start date: 06/2009 **End date:** 11/2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 0,4
Entity: Universidad de Deusto **Type of entity:** University



- 2** **Type of teaching:** Official teaching
Name of the course: Validación de fármacos
Type of programme: Master's degree **Type of teaching:** Virtual
University degree: Máster oficial en Ingeniería Biomédica
Start date: 06/2010 **End date:** 06/2015
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 0,5
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina y Odontología
- 3** **Type of teaching:** Official teaching
Name of the course: Fundamentos de biología celular aplicada
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
University degree: C.C. Biológicas
Course given: 5º
Start date: 09/2002 **End date:** 06/2004
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad de León **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Biológicas y Ambientales
- 4** **Type of teaching:** Official teaching
Name of the course: Farmacología Molecular
Type of teaching: In person theory
Type of subject: Optional
University degree: Grado en Bioquímica y Biología Molecular
Start date: 09/2013
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencia y Tecnología
- 5** **Type of teaching:** Official teaching
Name of the course: Proyecto de Investigación
Type of subject: Obligatory
University degree: Grado en Medicina
Course given: 3º
Start date: 09/2013
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2,5
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Medicina y Odontología
- 6** **Name of the course:** Bases Biológicas de la Patología Psiquiátrica
Type of programme: Master's degree **Type of teaching:** Virtual
University degree: Máster Universitario en Iniciación a la Investigación en Salud Mental
Start date: 09/2013
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 0,3
Entity: Centro de Investigación Biomédica en Red en Salud Mental **Type of entity:** CIBER



Faculty, institute or centre: Universidad del País Vasco UPV/EHU

7 Type of teaching: Official teaching

Name of the course: Técnicas, modelos y métodos en el laboratorio de farmacología

Type of programme: Master's degree

University degree: Máster oficial en Farmacología. Desarrollo, Evaluación y Utilización Racional de Medicamentos

Start date: 06/2007

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,45

Entity: Universidad del País Vasco

Type of entity: University

Faculty, institute or centre: Facultad de Medicina y Odontología

Department: Farmacología

8 Type of teaching: Official teaching

Name of the course: Farmacología molecular y farmacogenética

Type of programme: Master's degree

University degree: Máster de Biología Molecular y Biomedicina

Start date: 06/2006

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,9

Entity: Universidad del País Vasco

Type of entity: University

Faculty, institute or centre: Facultad de Ciencia y Tecnología

Department: Farmacología

Experience supervising doctoral thesis and/or final year projects

1 Project title: Biomarcadores en esquizofrenia: cultivo y caracterización de proneuronas del neuroepitelio olfativo.

Type of project: End of course project

Co-director of thesis: Rebeca Diez-Alarcia; Leyre Urigüen

Entity: Universidad del País Vasco

Type of entity: University

Student: Amaia Martínez Blázquez

Obtained qualification: 9.3

Date of reading: 14/07/2020

2 Project title: El linfoma de Hodgkin en personas VIH positivas: Factores de riesgo, efecto de la TAR y tratamiento

Type of project: Proyecto Fin de Máster

Co-director of thesis: Rebeca Diez-Alarcia

Entity: Universidad del País Vasco

Type of entity: University

Student: Marina Lombraña Montoya

Obtained qualification: 8.7

Date of reading: 26/06/2020

3 Project title: Las proteínas 5HT2A y AKT como biomarcadores de la esquizofrenia inducida por cannabis

Type of project: End of course project

Co-director of thesis: Rebeca Diez-Alarcia; Leyre Urigüen

Entity: Universidad del País Vasco

Type of entity: University

Student: Paula Unzueta Larrinaga

Obtained qualification: 9.6

Date of reading: 23/02/2019



- 4** **Project title:** "Estudio de la expresión proteica de dysbindina-1 y 14-3-3 en corteza cerebral postmortem de ratones tratados con THC".
Type of project: End of course project
Co-director of thesis: L Felipe Callado Hernando; Rebeca Diez Alarcia
Entity: Universidad del País Vasco **Type of entity:** University
Student: Leire Otaño Ceballos
Obtained qualification: 7.2
Date of reading: 13/07/2017
- 5** **Project title:** Señalización de los receptores dopaminérgicos D2 en núcleo caudado de sujetos esquizofrénicos
Type of project: Proyecto Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Student: Iker Egusquiza Lasuen
Obtained qualification: 9,6
Date of reading: 23/06/2015
- 6** **Project title:** Biochemistry, function and pharmacology of serotonin 5-HT_{2A} and Group II metabotropic glutamate receptors in postmortem human brain. Interest for psychosis
Type of project: Doctoral thesis
Co-director of thesis: J Javier Meana Martínez
Entity: Universidad del País Vasco **Type of entity:** University
Student: Patricia Miranda Azpiazu
Obtained qualification: Sobresaliente CUM LAUDE
Date of reading: 30/09/2014
European doctorate: Yes
- 7** **Project title:** "Cuantificación de los niveles de expresión de los tres subtipos de alfa₂- adrenoceptores en distintas regiones de cerebro humano postmortem".
Type of project: Proyecto fin de Grado
Co-director of thesis: Javier Meana Martínez
Entity: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Student: Rebeca Cuesta Pou
Obtained qualification: 7,1
Date of reading: 06/2013
- 8** **Project title:** "Caracterización de los factores que influyen en la calidad de muestras cerebrales post-mortem para su uso en técnicas de PCR cuantitativa. Estudio en rata"
Type of project: Proyecto Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Student: Sonia García Alcega
Obtained qualification: 9,5
Date of reading: 28/09/2010

Other activities/achievements not included above

- 1** **Description of the activity:** Presidenta del tribunal de la Tesis Doctoral Internacional presentada por Doña Irene Fernández Ugidos el 15 de noviembre de 2019 en la Universidad de León (ULE) y con título: "Inhibiting inflammation in a model of transient focal cerebral ischemia. Short and long term effects".
City of activity: León, Spain
Organising entity: Universidad de León
End date: 15/11/2019
- 2** **Description of the activity:** Miembro titular del tribunal evaluador de los Trabajos Fin de Máster del Máster en Farmacología. Desarrollo, evaluación y utilización racional de medicamentos que se imparte en la Universidad del País Vasco (UPV/EHU). Convocatoria de junio del curso 2017-2018, Leioa 28 de junio de 2018.
Organising entity: Universidad del País Vasco **Type of entity:** University
End date: 28/06/2018
- 3** **Description of the activity:** Miembro titular del tribunal evaluador de los Trabajos Fin de Máster del Máster en Farmacología. Desarrollo, evaluación y utilización racional de medicamentos que se imparte en la Universidad del País Vasco (UPV/EHU). Convocatoria de junio del curso 2014-2015, Leioa 29 de junio de 2015.
Organising entity: Universidad del País Vasco **Type of entity:** University
End date: 25/06/2015
- 4** **Description of the activity:** Secretaria del tribunal de la Tesis Doctoral Internacional presentada por Doña Aintzane García Bea el 23 de enero de 2014 en la Universidad del País Vasco (UPV/EHU) y con título: "Evaluation of protein expression, signaling and treatment-induced epigenetic regulation of the serotonin 5-HT_{2A}/metabotropic glutamate mGlu₂ receptor heterocomplex in postmortem brain of schizophrenic subjects".
City of activity: Leioa, Spain
Organising entity: Universidad del País Vasco **Type of entity:** University
End date: 23/01/2014
- 5** **Description of the activity:** Obtención de la Acreditación Lingüística que capacita para la impartición de docencia en la UPV/EHU en el idioma inglés, dentro del Plan de Plurilingüismo aprobado en Consejo de Gobierno de 16 de junio de 2005, 16 de junio de 2011.
Organising entity: Universidad del País Vasco **Type of entity:** University
End date: 16/06/2011
- 6** **Description of the activity:** Colaboración en la Docencia de la Asignatura de "Drogodependencias" en la Licenciatura de Medicina curso 2009/2010
Organising entity: Universidad del País Vasco **Type of entity:** University
- 7** **Description of the activity:** Colaboración en la Docencia de la Asignatura de "Farmacología" en la Licenciatura de Medicina curso 2005/2006
Organising entity: Universidad del País Vasco **Type of entity:** University
- 8** **Description of the activity:** Colaboración en la Docencia de la Asignatura de "Neuropsicofarmacología del uso y abuso de Fármacos" en la Licenciatura de Farmacia curso 2006/2007
Organising entity: Universidad del País Vasco **Type of entity:** University
- 9** **Description of the activity:** Miembro electo de la Comisión Permanente del Consejo de Departamento del Departamento de Farmacología de la Facultad de Medicina de la Universidad del País Vasco (UPV/EHU) desde el 25 de septiembre de 2017.
Organising entity: Dpto. Farmacología UPV/EHU **Type of entity:** University Department

Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Grupos de Investigación del Sistema Universitario Vasco
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 2022 **Duration:** 4 years
- 2** **Name of the group:** Grupo de investigación sobre: Enfermedades Autoinmunes, Inflamatorias e Infecciosas. Fases Iniciales de la Psicosis
Name of principal investigator: Rafael Segarra Echeverria
Affiliation entity: Instituto de Investigación Sanitaria Biocruces Bizkaia
Start date: 28/09/2014
- 3** **Name of the group:** Unidad de Formación e Investigación: neuroquímica, Neuropsicofarmacología y Psiquiatría
Name of principal investigator: Joan Sallés
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 01/01/2012
- 4** **Name of the group:** Grupo CIBERSAM CB07/09/0008 (G16) del Centro de Investigación Biomédica en Red de Salud Mental, CIBERSAM
Name of principal investigator: J Javier Meana
Affiliation entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Identify key words: Drugs evaluation; Health; Therapeutics; Molecular mechanism of disease; Laboratory animals; Cell culture
Start date: 02/01/2008
- 5** **Name of the group:** Grupo de investigación en Neuropsicofarmacología de la UPV/EHU, incluido en la Red de enfermedades mentales y trastornos afectivos y psicóticos (REM-TAP)
Affiliation entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Start date: 01/04/2007 **Duration:** 10 months
- 6** **Name of the group:** Grupo de Investigación en Neuropsicofarmacología
Name of principal investigator: J Javier Meana
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 01/01/2004

Scientific or technological activities

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

- 1** **Name of the project:** Descubriendo los mecanismos moleculares responsables del incremento de riesgo de esquizofrenia inducido por cannabis (CANNABRAIN)
Type of project: Research and development, including transfer **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Name principal investigator (PI, Co-PI....): L F Callado; Leyre Urigüen
Funding entity or bodies: Ministerio de Ciencia, Innovación y Universidades, Convocatoria 2019 Proyectos I+ D
Type of participation: Team member
Name of the programme: CONVOCATORIA 2019 A «PROYECTOS DE I+D+i» EN EL MARCO DE LOS PROGRAMAS ESTATALES DE GENERACIÓN DE CONOCIMIENTO Y FORTALECIMIENTO CIENTÍFICO Y TECNOLÓGICO DEL SISTEMA DE I+D+i Y DE I+D+i ORIENTADA A LOS RETOS DE LA SOCIEDAD.
Code according to the funding entity: PID2019-106404RB-I00
Start-End date: 01/06/2020 - 31/05/2024 **Duration:** 4 years
Total amount: 130.680 €
- 2** **Name of the project:** GADVER. Caracterización del efecto de distintos fármacos antipsicóticos sobre los diferentes subtipos de proteínas Gα en cerebro humano postmortem
Entity where project took place: University of the Basque Country **Type of entity:** University Department
City of entity: Leioa,
Name principal investigator (PI, Co-PI....): Rebeca Diez-Alarcia
Start-End date: 01/10/2021 - 31/12/2022
- 3** **Name of the project:** Estudio de biomarcadores de vulnerabilidad a la psicosis inducida por cannabis
Type of project: Research and development, including transfer **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Name principal investigator (PI, Co-PI....): Leyre Urigüen Echeverria
Nº of researchers: 5
Funding entity or bodies: Ministerio de Sanidad, Consumo y Bienestar Social
City funding entity: Spain
Type of participation: Team member
Name of the programme: Ayudas económicas para el desarrollo de proyectos de investigación sobre adicciones en el año 2019
Code according to the funding entity: 2019/021
Start-End date: 01/01/2020 - 31/12/2022

Total amount: 51.624 €

- 4** **Name of the project:** Mecanismos moleculares de la esquizofrenia inducida por cannabis: alteraciones en la señalización del receptor 5HT2A y la vía Akt /mTOR/ S6

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Leyre Urigüen

Nº of researchers: 8

Funding entity or bodies:

Gobierno Vasco. Dpto. Salud

City funding entity: Basque Country, Spain

Type of participation: Team member

Name of the programme: ayudas a proyectos de investigación y desarrollo en salud presentados a la Convocatoria 2019. Línea 1 "Promoción de la actividad investigadora sanitaria"

Code according to the funding entity: 2019111082

Start-End date: 01/11/2019 - 31/12/2022

Total amount: 86.121 €

- 5** **Name of the project:** Estudio de biomarcadores de vulnerabilidad a la psicosis inducida por cannabis

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Leyre Urigüen

Funding entity or bodies:

Ministerio de Sanidad, Consumo y Bienestar Social. Convocatoria de proyectos de investigación sobre adicciones 2019

Start-End date: 01/03/2019 - 31/12/2022

Total amount: 51.624 €

- 6** **Name of the project:** Mecanismos moleculares de la esquizofrenia inducida por cannabis: alteraciones en la señalización del receptor 5HT2A y la vía Akt /mTOR/ S6

Entity where project took place: Asociación Instituto de Investigación Sanitaria BioCruces Bizkaia

Funding entity or bodies:

Gobierno Vasco, Dpto. de Salud, Proyectos de investigación y desarrollo en salud Convocatoria 2019

Start-End date: 01/03/2019 - 31/12/2022

Total amount: 86.121 €

- 7** **Name of the project:** Grupos de Investigación del Sistema Universitario Vasco (Nivel A)

Entity where project took place: Universidad del País Vasco **Type of entity:** University

City of entity: Leioa, Basque Country, Spain

Name principal investigator (PI, Co-PI....): J Javier Meana

Nº of researchers: 16

Funding entity or bodies:

Dpto. de Educación Universitaria e Investigación del Gobierno Vasco

Code according to the funding entity: IT1211-19

Start-End date: 01/09/2019 - 31/12/2021

Total amount: 301.100 €

- 8** **Name of the project:** Nueva metodología avanzada para cribado de fármacos para esquizofrenia
Type of project: Research and development, including transfer **Geographical area:** Regional
Degree of contribution: Researcher
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Rebeca Diez Alarcia
Nº of researchers: 2
Funding entity or bodies: Gobierno Vasco **Type of entity:** Dpto. de Desarrollo Económico e Infraestructuras, Convocatoria ELKARTEK 2019
City funding entity: Basque Country, Spain
Type of participation: Principal investigator
Start-End date: 01/03/2019 - 31/12/2020
Participating entity/entities: TECNALIA CORPORACION TECNOLOGICA A I E; Universidad del País Vasco; biodonosti
Total amount: 46.807 €
- 9** **Name of the project:** "Mecanismo moleculares implicados en los efectos procognitivos de la inhibición de la proliloligopeptidasa en la esquizofrenia".
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Leyre Urigüen Echeverria; Rebeca Diez Alarcia
Funding entity or bodies: Universidad del País Vasco **Type of entity:** University
City funding entity: Bilbao, Basque Country, Spain
Start-End date: 01/01/2017 - 31/12/2019
- 10** **Name of the project:** Metodología para cribado de fármacos para esquizofrenia "EFEKTO
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): J Javier Meana Martínez; Rebeca Diez Alarcia; Igor Horriño Furundarena; Itziar Muneta Arrate
Funding entity or bodies: Departamento de Sanidad del Gobierno Vasco **Type of entity:** 2018222017
City funding entity: Bilbao, Basque Country, Spain
Start-End date: 01/01/2018 - 31/12/2018
- 11** **Name of the project:** "Desarrollo de una plataforma para el descubrimiento de fármacos dirigidos a enfermedades neuropsiquiátricas".
Entity where project took place: Universidad del País Vasco (UPV/EHU) **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Name principal investigator (PI, Co-PI....): J Javier Meana Martínez
Funding entity or bodies: Gobierno Vasco, Dpto. de Desarrollo Económico e Infraestructuras, Convocatoria **Type of entity:** Gobierno Vasco
City funding entity: Basque Country, Spain
Start-End date: 01/01/2017 - 31/12/2018



- 12** **Name of the project:** Grupos de Investigación del Sistema Universitario Vasco (Nivel A)
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Name principal investigator (PI, Co-PI....): J Javier Meana
Nº of researchers: 13
Funding entity or bodies:
Dpto. de Educación Universitaria e Investigación del Gobierno Vasco
Code according to the funding entity: IT-616-13
Start-End date: 31/01/2013 - 31/12/2018
Total amount: 331.599 €
- 13** **Name of the project:** Estudio del receptor 5HT2A y de la vía Akt/GSK3 como mecanismos moleculares de la psicosis inducida por el consumo crónico de cannabis
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Name principal investigator (PI, Co-PI....): Dra. Leyre Urigüen Echeverria
Nº of researchers: 7
Funding entity or bodies:
Ministerio de Economía y Competitividad. Subdirección General de Evaluación y Fomento de la Investigación
Start-End date: 01/01/2014 - 31/12/2016 **Duration:** 3 years
Dedication regime: Part time
- 14** **Name of the project:** Unidades de Formación e Investigación en la Universidad del País Vasco
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): J Javier Meana
Nº of researchers: 36
Funding entity or bodies:
Universidad del País Vasco **Type of entity:** University
Code according to the funding entity: UF111/35
Start-End date: 01/01/2012 - 31/12/2014
Total amount: 36.245 €
- 15** **Name of the project:** Estudio de las divergencias en la densidad de receptores 5-HT2A en esquizofrenia: interés para la selección de radiotrazadores diagnósticos
Geographical area: Regional
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Dra. Rebeca Díez Alarcia
Nº of researchers: 7
Name of the programme: Departamento de Industria, comercio y turismo del Gobierno Vasco dentro del Programa SIOTEK.
Code according to the funding entity: S-PE13UN019
Start-End date: 01/01/2013 - 31/12/2013
Total amount: 2.582,38 €



- 16** **Name of the project:** Grupos de Investigación del Sistema Universitario Vasco (Nivel A)
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Leioa, Basque Country, Spain
Name principal investigator (PI, Co-PI....): J Javier Meana
Nº of researchers: 8
Funding entity or bodies:
Dpto. de Educación Universitaria e Investigación del Gobierno Vasco
Code according to the funding entity: IT-199-07
Start-End date: 01/01/2007 - 31/12/2012
Total amount: 376.752 €
- 17** **Name of the project:** Evaluación funcional de un ratón transgénico mGlu2KO. Mecanismo de acción de nuevos fármacos antipsicóticos
Name principal investigator (PI, Co-PI....): Dra. Leyre Urigüen Echeverria
Nº of researchers: 4
Funding entity or bodies:
Departamento de Industria, Comercio y Turismo del Gobierno Vasco dentro del Programa SAIOTEK.
CÓDIGO: S-PE11UN068
Start-End date: 2011 - 2012
- 18** **Name of the project:** Conexión molecular entre receptores acoplados a proteínas G (RAPG) y receptores de glutamato N-metil-D-aspartato (NMDAR): Implicaciones en esquizofrenia y depresión
Name principal investigator (PI, Co-PI....): Dr. Javier Garzón Niño
Nº of researchers: 9
Funding entity or bodies:
Instituto de Salud Carlos III. CÓDIGO: PS09/00332
Start-End date: 2010 - 2012
- 19** **Name of the project:** Estudio funcional de la desregulación del complejo receptores 5-HT_{2A}/mGlu₂ en trastornos afectivos y psicóticos
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Dr. J. Javier Meana Martínez
Nº of researchers: 13
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** Ministerio
Code according to the funding entity: SAF2009-08460
Start-End date: 01/01/2009 - 31/12/2011
Total amount: 229.900 €
- 20** **Name of the project:** Estudio de las aplicaciones terapéuticas de nuevos antagonistas de los adrenoreceptores alfa-2
Name principal investigator (PI, Co-PI....): Dr. Luis Felipe Callado Hernando
Nº of researchers: 6
Funding entity or bodies:
Departamento de Industria, Comercio y Turismo del Gobierno Vasco dentro del Programa SAIOTEK.
CÓDIGO: S-PE10UN14
Start-End date: 2010 - 2011



- 21 Name of the project:** Evaluación neuroquímica, neurofuncional y comportamental de un ratón transgénico modelo de esquizofrenia
Name principal investigator (PI, Co-PI....): Dr. Jorge Ortega Calvo
Nº of researchers: 6
Funding entity or bodies:
Departamento de Industria, Comercio y Turismo del Gobierno Vasco dentro del Programa SAIOTEK.
CÓDIGO: S-PR10UN01
Start-End date: 2010 - 2011
- 22 Name of the project:** Caracterización neuroquímica y funcional de un ratón transgénico modelo de Esquizofrenia
Name principal investigator (PI, Co-PI....): Dr. J. Javier Meana Martínez
Nº of researchers: 6
Funding entity or bodies:
Diputación Foral de Bizkaia y la Universidad del País Vasco/Euskal Herriko Unibertsitatea. CÓDIGO: DIPE08/07
Start-End date: 2009 - 2010
- 23 Name of the project:** Caracterización neuroquímica y funcional de un ratón transgénico modelo de esquizofrenia
Name principal investigator (PI, Co-PI....): Dra Leyre Urigüen Echeverría
Nº of researchers: 10
Funding entity or bodies:
Centro de Investigación Biomédica en Red de Salud Mental, CIBERSAM. Convocatoria de proyectos Intramurales
Start-End date: 2009 - 2010
- 24 Name of the project:** Evaluación de la actividad antidepressiva de nuevas moléculas antagonistas de los adrenoreceptores alfa2
Name principal investigator (PI, Co-PI....): Dr. Luis Felipe Callado Hernando
Nº of researchers: 8
Funding entity or bodies:
Departamento de Industria, Comercio y Turismo del Gobierno Vasco dentro del Programa SAIOTEK.
Type of participation: Team member
Code according to the funding entity: S-PE08UN01
Start-End date: 01/01/2008 - 21/12/2009
Total amount: 42.276 €
- 25 Name of the project:** Desarrollo y evaluación farmacológica de nuevas moléculas antagonistas de los adrenoreceptores alfa2 como potenciales fármacos antidepressivos
Name principal investigator (PI, Co-PI....): Dr. Luis Felipe Callado Hernando
Nº of researchers: 7
Funding entity or bodies:
Departamento de Industria, Comercio y Turismo del Gobierno Vasco dentro del Programa SAIOTEK.
CÓDIGO: S-PE07UN13
Start-End date: 2007 - 2008

- 26** **Name of the project:** Estudio del sistema cannabinoide en tejido cerebral postmortem de pacientes esquizofrénicos
Name principal investigator (PI, Co-PI....): Dra. Leyre Urigüen Echeverría
Nº of researchers: 6
Funding entity or bodies:
Departamento de Vivienda y Asuntos Sociales, Viceconsejería de Asuntos Sociales, Dirección de Drogodependencias, Gobierno Vasco. CÓDIGO: INV-200700/0011
Start-End date: 2007 - 2007
- 27** **Name of the project:** Diseño y validación de un modelo animal no modificado genéticamente para evaluación de actividad de fármacos
Name principal investigator (PI, Co-PI....): Dr. J. Javier Meana Martínez
Nº of researchers: 21
Funding entity or bodies:
Departamento de Industria, Comercio y Turismo, Gobierno Vasco, Programa SAIOTEK 2006. CÓDIGO: S-PE06UN12
Start-End date: 2006 - 2007
- 28** **Name of the project:** Desarrollo de fármacos duales para el tratamiento del dolor
Name principal investigator (PI, Co-PI....): Dr. Luis Felipe Callado Hernando
Nº of researchers: 6
Funding entity or bodies:
Diputación Foral de Bizkaia. Departamento de Innovación y Promoción Económica. Programa Ekinberri. CÓDIGO: 7/12/EK/2005
Start-End date: 2005 - 2006
- 29** **Name of the project:** Proteómica aplicada al diagnóstico y tratamiento de los trastornos psíquicos
Name principal investigator (PI, Co-PI....): Dr. J. Javier Meana Martínez (en UPV/EHU)
Funding entity or bodies:
Proyecto Coordinado entre UPV/EHU y MedPlant Genetics SL financiado en la convocatoria INTEK del Dpto. de Industria del Gobierno Vasco. CÓDIGO IC-2004/0019600
Start-End date: 2004 - 2006
- 30** **Name of the project:** Genómica y proteómica funcionales de los trastornos afectivos y su tratamiento. Subproyecto del Proyecto CIC Biogune "Generación de conocimiento y explotación de la genómica, proteómica y otras herramientas avanzadas para el desarrollo de productos y servicios relacionados con la salud y la calidad de vida"
Name principal investigator (PI, Co-PI....): Dr. J. Javier Meana Martínez
Funding entity or bodies:
Departamento de Industria, Comercio y Turismo del Gobierno Vasco. Programa ETORTEK. CÓDIGO: IE03-103
Start-End date: 2003 - 2005
- 31** **Name of the project:** Utilización de retrovirus como vectores de expresión de proteínas humanas para la búsqueda de nuevos fármacos
Name principal investigator (PI, Co-PI....): Dr. Arsenio Fernández López
Nº of researchers: 5
Funding entity or bodies:
Junta de Castilla y León, Proyectos de Investigación, Convocatoria 2001. CÓDIGO: LE45/01



Start-End date: 2001 - 2003

32 Name of the project: Búsqueda de nuevas moléculas de origen marino candidatas a convertirse en agentes de aplicación terapéutica sobre el sistema nervioso

Name principal investigator (PI, Co-PI....): Dr. Arsenio Fernández López

Nº of researchers: 7

Funding entity or bodies:

MEC cofinanciado con fondos FEDER. CÓDIGO: 1FD97-0004

Start-End date: 1998 - 2001

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

Name of the project: PROSi: desarrollo de una plataforma de silenciamiento de RNA. Aplicación de la genómica funcional a los trastornos afectivos

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): J Javier Meana

Start date: 01/01/2006

Duration: 4 years

Total amount: 57.000 €

Scientific and technological activities

Scientific production

H index: 14

Date of application: 17/10/2022

Fuente de Índice H: WOS

Publications, scientific and technical documents

- 1** Rebeca Díez-Alarcia; Yugi Odagaki; Patricia Miranda-Azpiazu; Ane Mirem Gabilondo; J Javier Meana; Itziar Muneta-Arrate. Functional approaches to the study of G-protein-coupled receptors in postmortem brain tissue: [35S]GTPγS binding assays combined with immunoprecipitation. *Pharmacological Reports*. 73, pp. 1079 - 1095. 2021. Available on-line at: <doi: 10.1007/s43440-021-00253-z>. ISSN 1734-1140
Type of production: Scientific paper
Corresponding author: No
- 2** Carlos Costas-Insua; Estefania Moreno; Irene Maroto; Andrea Ruiz-Calvo; Raquel Bajo-Grañeras; David Martín-Gutiérrez; Rebeca Díez-Alarcia; Nuria García-Font; Ricard Martín; Marc Espina; Joaquín Botta; Silvia Gines; Peter McCormick; Jose Sanchez-Prieto; Ismael Galve-Roperh; Leyre Urigüen; Giovanni Marsicano; Luigi Bellocchio; Enric Canela; Vicent Casadó; Ignacio Rodríguez-Crespo; Manuel Guzman. Identification of BiP as a CB1 receptor-interacting protein that fine-tunes cannabinoid signaling in the mouse brain. *J. Neurosci.* 41 - 38, pp. 7924 - 7941. 2021. Available on-line at: <doi 10.1523/JNEUROSCI.0821-21.2021>. ISSN 0270-6474
Type of production: Scientific paper
Corresponding author: No

- 3** Rebeca Díez-Alarcia; Carolina Muguruza; Guadalupe Rivero; Aintzane García-Bea; Vanesa Gómez-Vallejo; Luis Felipe Callado; Jordi Llop; Abraham Martín; J Javier Meana. Opposite alterations of 5-HT_{2A} receptor brain density in subjects with schizophrenia: relevance of radiotracers pharmacological profile. *Translational Psychiatry*. 11 - 1, pp. 302. 2021. Available on-line at: <doi: 10.1038/s41398-021-01430-7>. ISSN 2158-3188
Type of production: Scientific paper
Corresponding author: No
- 4** Inés Ibarra-Lecue; Rebeca Díez-Alarcia; Leyre Urigüen. Serotonin 2A receptors and cannabinoids. *Prog Brain Res*. 259, pp. 135 - 175. 2021. Available on-line at: <https://doi.org/10.1016/bs.pbr.2021.01.004>. ISSN 0079-6123, ISBN 978-0-12-824567-5
Type of production: Scientific paper
Corresponding author: No
- 5** Iria Brocos-Mosquera; Ane M Gabilondo; Rebeca Díez-Alarcia; Carolina Muguruza; Amaia M Erdozain; Luis F Callado. α 2A- and α 2C-adrenoceptor expression and functionality in postmortem prefrontal cortex of schizophrenia subjects. *European Neuropsychopharmacology*. 52, pp. 3 - 11. 2021. Available on-line at: <https://doi.org/10.1016/j.euroneuro.2021.05.012>. ISSN 0924-977X
Type of production: Scientific paper
Corresponding author: No
- 6** Davia Prischich; Alexandre M J Gomila; Santiago Mila-Navarro; Gemma Sangüesa; Rebeca Díez-Alarcia; Beatrice Preda; Carlo Matera; Mostserrat Batlle; Laura Ramírez; Ernest Giralt; Jordi Hernando; Eduard Guasch; J Javier Meana; Perdo de la Villa; Pau Gorostiza. Adrenergic Modulation with Photochromic Ligands. *Angewandte Chemie International Edition*. 60, pp. 3625 - 3631. 25/10/2020. Available on-line at: <https://doi.org/10.1002/anie.202010553>. ISSN 1433-7851
Type of production: Scientific paper
Corresponding author: No
- 7** Itziar Muneta-Arrate; Rebeca Díez-Alarcia; Igor Horrillo; J Javier Meana. Pimavanserin exhibits serotonin 5-HT_{2A} receptor inverse agonism for G α i1- and neutral antagonism for G α q/11-proteins in human brain cortex. *European Neuropsychopharmacology*. 36, pp. 83 - 89. 07/06/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 8** Inés Ibarra-Lecue; Rebeca Díez-Alarcia; Benito Morentin; J Javier Meana; Luis Felipe Callado; Leyre Urigüen. Ribosomal Protein S6 Hypofunction in Postmortem Human Brain Links mTORC1-Dependent Signaling and Schizophrenia. *Frontiers in Pharmacology*. 11 - 344, 20/03/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 9** Rebeca Díez-Alarcia; Víctor Yáñez-Pérez; Itziar Muneta-Arrate; Sonia Arrasate; Esther Lete; J Javier Meana; Humbert González-Díaz. "Big Data Challenges Targeting Proteins in GPCR Signaling Pathways; Combining PTML-ChEMBL Models and [35S]GTP γ S Binding Assays.". *ACS Chemical Neuroscience*. 10 - 11, pp. 4476 - 4491. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 10** Igor Horrillo; Jorge Ortega; Rebeca Díez-Alarcia; Leyre Urigüen; J Javier Meana. Chronic fluoxetine reverses the effects of chronic corticosterone treatment on α 2-adrenoceptors in the rat frontal cortex but not locus coeruleus. *Neuropharmacology*. 158, pp. 3872. 2019.
Type of production: Scientific paper
Corresponding author: No

- 11** Aintzane García-Bea; Patricia Miranda-Azpiazu; Carolina Muguruza; Sara Marmolejo-Martinez-Artesero; Rebeca Diez-Alarcia; Ane M Gabilondo; L F Callado; Benito Morentin; Javier González-Maeso; J Javier Meana. Serotonin 5-HT_{2A} receptor expression and functionality in postmortem frontal cortex of subjects with schizophrenia: Selective biased agonism via Galphai1-proteins. *European Neuropsychopharmacology*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 12** Sandra Blasco-Benito; Estefanía Moreno; Marta Seijo-Vila; Isabel Tundidor; Clara Andradás; María M Caffarel; Miriam Caro-Villalobos; Leyre Urigüen; Rebeca Diez-Alarcia; Gema Moreno-Bueno; Lucía Hernández; Luis Manso; Patricia Homar-Ruano; Peter J McCormick; Lucka Bibic; Cristina Bernadó-Morales; Joaquín Arribas; Meritxell Canals; Vicent Casadó; Enric I Canela; Manuel Guzmán; Eduardo Pérez-Gómez; Cristina Sánchez. Therapeutic targeting of HER2–CB2R heteromers in HER2-positive breast cancer. *Proceedings of the National Academy of Sciences*. 116 - 9, pp. 3863 - 3872. 2019.
Type of production: Scientific paper
- 13** Ibarra-Lecue Inés; Mollinedo-Gajate Irene; Jose Javier Meana; Luis Felipe Callado; Rebeca Diez-Alarcia; Leyre Urigüen. Chronic cannabis promotes pro-hallucinogenic signaling of 5-HT_{2A} receptors through Akt/mTOR pathway. *Neuropsychopharmacology*. 43 - 10, pp. 2028 - 2035. 2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 14** Clara Andradás; Sandra Blasco-Benito; Sonia Castillo-Lluva; Patricia Dillenburg- Pilla; Rebeca Diez-Alarcia; Alba Juanes-García; Elena García-Taboada; Rodrigo Hernando-Llorente; Joaquim Soriano; Sigrid Hamann; Antonia Wengers; Ibrahim Alkatout; Wolfram Klapper; Christoph Rocken; Maret Bauer; Norbert Arnold; Miguel Quintanilla; Diego Megías; Miguel Vicente-Manzanares; Leyre Urigüen; J Silvio Gutkind; Manuel Guzmán; Eduardo Pérez-Gómez; Cristina Sánchez. Activation of the orphan receptor GPR55 by lysophosphatidylinositol promotes metastasis in triple-negative breast cancer. *Oncotarget*. 7 - 30, pp. 47565 - 47575. 2016. ISSN 1949-2553
Type of production: Scientific paper
- 15** R. Diez-Alarcia; I. Ibarra-Lecue; Á.P. Lopez-Cardona; J. Meana; A. Gutierrez-Adán; L.F. Callado; E. Agirregoitia; L. Urigüen. Biased agonism of three different cannabinoid receptor agonists in mouse brain cortex. *Frontiers in Pharmacology*. 7, pp. 415. 2016. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-85003561673&partnerID=MN8TOARS>>. ISSN 1663-9812
Type of production: Scientific paper **Format:** Journal
- 16** I. Horrillo; J.E. Ortega; R. Diez-Alarcia; L. Urigüen; J.J. Meana. Effect of subchronic corticosterone administration on γ -adrenoceptor functionality in rat brain: an in vivo and in vitro study. *Psychopharmacology*. 233, pp. 3861 - 3867. 2016. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84984910808&partnerID=MN8TOARS>>. ISSN 0033-3158
Type of production: Scientific paper **Format:** Journal
- 17** 1; J Javier Meana; Patricia Miranda-Azpiazu; Carolina Muguruza; Rebeca Diez-Alarcia; Luis Felipe Callado; Javier González-Maeso. Diferentes propiedades farmacológicas de ketanserina y altanserina sobre los receptores 5-HT_{2A} en cerebro humano postmortem: Interés en estudio de esquizofrenia. *Actualidad en Farmacología y Terapéutica*. 12, pp. 59 - 63. 2014. ISSN 1698-4277
Type of production: Scientific paper
- 18** Carolina Muguruza; Patricia Miranda-Azpiazu; Rebeca Diez-Alarcia; Benito Morentin; Javier González-Maeso; Luis Felipe Callado; J Javier Meana. Evaluation of 5-HT_{2A} and mGlu_{2/3} receptors in postmortem prefrontal cortex of subjects with major depressive disorder: Effect of antidepressant treatment. *Neuropharmacology*. 86, pp. 311 - 318. Elsevier, 2014. ISSN 0028-3908
Type of production: Scientific paper **Format:** Journal



- 19** M Julia García-Fuster; Rebeca Díez-Alarcia; Marcel Ferrer-Alcón; R La Harpe; J Javier Meana; Jesús A García-Sevilla. FADD adaptor and PEA-15/ERK1/2 partners in major depression and schizophrenia postmortem brains: basal contents and effects of psychotropic treatments. *Neuroscience*. 227, pp. 541 - 551. Elsevier, 2014. ISSN 0306-4522

Type of production: Scientific paper **Format:** Journal
- 20** J. Pérez-Santiago; R. Díez-Alarcia; L.F. Callado; J.X. Zhang; G. Chana; C.H. White; S.J. Glatt; M.T. Tsuang; I.P. Everal; J.J. Meana; C.H. Woelk. A combined analysis of microarray gene expression studies of the human prefrontal cortex identifies genes implicated in schizophrenia. *Journal of Psychiatric Research*. 46, pp. 1464 - 1474. 2012.

Type of production: Scientific paper **Format:** Journal
- 21** A.M. Erdozain; R. Díez-Alarcia; J.J. Meana; L.F. Callado. The inverse agonist effect of rimonabant on G protein activation is not mediated by the cannabinoid CB1 receptor: Evidence from postmortem human brain. *Biochemical Pharmacology*. 83, pp. 260 - 268. 2012.

Type of production: Scientific paper **Format:** Journal
- 22** F. Pilar-Cuéllar; J. González-Maeso; E.M. Valdizán; R. Díez-Alarcia; J.A. García-Sevilla; J.J. Meana; A. Pazos. Alpha2-adrenoceptor functionality in postmortem frontal cortex of depressed suicide victims. *Biological Psychiatry*. 68, pp. 869 - 872. 2010.

Type of production: Scientific paper **Format:** Journal
- 23** J.A. García-Sevilla; M. Álvaro-Bartolomé; R. Díez-Alarcia; A. Ramos-Miguel; D. Puigdemont; V. Pérez; E. Álvarez; J.J. Meana. Reduced platelet G protein-coupled receptor kinase 2 in major depressive disorder: Antidepressant treatment-induced upregulation of GRK2 protein discriminates between responder and non-responder patients. *European Neuropsychopharmacology*. 20, pp. 721 - 730. 2010.

Type of production: Scientific paper **Format:** Journal
- 24** L. Callado; J. Ballesteros; L. Urigüen; J.E. Ortega; R. Díez-Alarcia; A. Zabala; J. Eguiluz; I. Querejeta; M. Gutierrez; J.J. Meana. Comparative assessment of current antidepressants efficacy and search for new targets and strategies for the treatment of depression. *European Journal of Psychiatry*. 23 (Supp), pp. 98 - 103. 2009.

Type of production: Scientific paper **Format:** Journal
- 25** R. Díez-Alarcia; R. Mostany; S. Dos-Anjos; A. Fernández-López. Functional autoradiography and gene expression analysis applied to the characterization of the alpha2adrenergic system in the chicken brain. *Journal of Chemical Neuroanatomy*. 38, pp. 282 - 291. 2009.

Type of production: Scientific paper **Format:** Journal
- 26** L. Urigüen, D. Arteta, R. Díez-Alarcia, M. Ferrer-Alcón, A. Díaz, A. Pazos, J. Meana. Gene expression patterns in brain cortex of three different animal models of depression. *Genes, Brain and Behavior*. 7, pp. 649 - 658. 2008.

Type of production: Scientific paper **Format:** Journal
- 27** F. Pilar-Cuéllar; M.A. Paniagua; R. Díez-Alarcia; S. Dos-Anjos; S. Montori; C.C. Pérez-García; A. Fernández-López. Muscarinic receptor changes in the gerbil thalamus during aging. *Brain Research*. 1243, pp. 38 - 46. 2008.

Type of production: Scientific paper **Format:** Journal
- 28** M.E. Alonso-Ferrero; M.A. Paniagua; R. Mostany; F. Pilar-Cuéllar; R. Díez-Alarcia; A. Pazos; A. Fernández-López. Cannabinoid system in the budgerigar brain. *Brain Research*. 1087, pp. 105 - 113. 2006.

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



- 29** Rebeca Díez-Alarcia; Fuencisla Pilar-Cuellar; Miguel Ángel Paniagua; J Javier Meana; Arsenio Fernández-López. Pharmacological characterization and autoradiographic distribution of α_2 -adrenoceptor antagonist [3H]RX 821002 binding sites in the chicken brain. *Neuroscience*. 141, pp. 357 - 369. 2006.
Type of production: Scientific paper **Format:** Journal
- 30** Raquel Revilla; Rebeca Díez-Alarcia; Ricardo Mostany; Carlos César Pérez; Arsenio Fernández-López. Norepinephrine, epinephrine and MHPG levels in chick brain development. *Neuropharmacology*. 41, pp. 480 - 485. 2001.
Type of production: Scientific paper **Format:** Journal
- 31** J Javier Meana Martínez; Rebeca Díez Alarcia. Advances in Neurochemistry: the mechanism of action of psychotropic drugs as an interaction neurotransmitter-receptor. *History of Psychopharmacology*. I, pp. 233 - 247. NPP Books, 2014. ISBN 978-09-161-8229-8
Type of production: Book chapter **Format:** Book
- 32** R. Díez-Alarcia; J.J. Meana. Bases neurobiológicas de la depresión. El estado del ánimo. pp. 75 - 115. IKUSAGER Ediciones, 2010.
Type of production: Book chapter **Format:** Book
- 33** L. Urigüen; D. Arteta; R. Díez-Alarcia; M. Ferrer-Alcón; A. Díaz; A. Pazos; J.J. Meana. Expresión génica cortical en diferentes modelos animales de depresión. Los trastornos depresivos. pp. 71 - 82. ELSEVIER-MASSON, 2008.
Type of production: Book chapter **Format:** Book
- 34** J.J. Meana; D. Arteta; M. Ferrer-Alcón; R. Díez-Alarcia; L. Urigüen; L.F. Callado; D. Fernández; E. Valdizán; A. Pazos; A. Martínez. Identificación de dianas moleculares para la etiopatogenia de la depresión mediante la aplicación de tecnología genómica. Una perspectiva desde las fases tempranas. Los trastornos depresivos. pp. 61 - 70. ELSEVIER-MASSON, 2008.
Type of production: Book chapter **Format:** Book
- 35** Iker Egusquiza; Eva Munarriz-Cuezva; Rafael Segarra; Javier González-Maeso; Luis F Callado; J Javier Meana; Rebeca Díez-Alarcia. Characterization of dopamine D2 receptor coupling to G-proteins in postmortem brain of subjects with schizophrenia. *Pharmacological Reports*. 73, pp. 1136 - 1146. 2021. Available on-line at: <doi.org/10.1007/s43440-021-00305-4>. ISSN 1734-1140
Corresponding author: Yes
- 36** J Javier Meana; Rebeca Díez-Alarcia; Itziar Muneta-Arrate. Evaluación del receptor de serotonina 5HT2A en esquizofrenia: un ejemplo de investigación traslacional basada en farmacología. *Actualidad en Farmacología y Terapéutica*. 19 - 3, pp. 154 - 165. 2021. ISSN 1698-4277
Corresponding author: No

Works submitted to national or international conferences

- 1** **Title of the work:** Different G protein regulation profile for hallucinogenic and non-hallucinogenic 5HT2A receptor drugs in postmortem human brain
Name of the conference: 4GPCRNet meeting
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Leipzig, Germany
Date of event: 26/09/2022
End date: 29/09/2022
Organising entity: University of Leipzig



Patricia Miranda-Azpiazu; Itziar Muneta-Arrate; Rebeca Diez-Alarcia; J Javier Meana.

- 2** **Title of the work:** Evaluation of G-protein signalling pattern and polypharmacological profile of different antipsychotic drugs in post-mortem human native brain tissue.

Name of the conference: 4GPCRNet meeting

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

City of event: Leipzig, Germany

Date of event: 26/09/2022

End date: 29/09/2022

Organising entity: University of Leipzig

Itziar Muneta-Arrate; Jana Selent; Rebeca Diez-Alarcia; Igor Horillo; J Javier Meana.

- 3** **Title of the work:** How to avoid hallucinogenic side effects? Comparative investigation of ibogaine (IBG) and its non-hallucinogenic tabernanthol (TBG)

Name of the conference: 4GPCRNet meeting

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Non EU International

Reasons for participation: Review before acceptance

City of event: Leipzig, Germany

Date of event: 26/09/2022

End date: 29/09/2022

Organising entity: University of Leipzig

Dóra J Kiss; Supriya A Gaitonde; Rebeca Diez-Alarcia; Péter Kovács; Jana Selent; Michel Bouvier; György M Keserű.

- 4** **Title of the work:** CB1R as a potential therapeutic target in CRBN deficiency-associated intellectual disability.

Name of the conference: IUBMB/FEBS/PABMB meeting

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Lisbon, Portugal

Date of event: 02/07/2022

End date: 14/07/2022

Organising entity: Portuguese Biochemical Society

Carlos Costas-Insua; A Hermoso-Lopez; A Álvaro-Blazquez; Estefania Moreno; C Montero; D Martín-Gutierrez; IB Maroto; Rebeca Diez-Alarcia; Leyre Urigüen; Vincent Casadó; I Rodríguez-Crespo; Manolo Guzmán.

- 5** **Title of the work:** Evaluation of the G protein signalling pattern and polypharmacological profile of different antipsychotic drugs in post-mortem human native brain tissue

Name of the conference: Neurogune 2022

Type of event: Conference

Type of participation: 'Participatory - poster

Geographical area: Regional

City of event: Pamplona, Spain

Date of event: 01/07/2022

End date: 01/07/2022

Organising entity: University of Navarre | Clínica Universitaria de Navarra | Cima Achucarro Basque Center for Neuroscience

Rebeca Diez-Alarcia; Itziar Muneta-Arrate; Jana Selent; Igor Horillo; J Javier Meana.



- 6** **Title of the work:** Increased serotonin 5-HT_{2A}R receptor constitutive activity on Galphal1- but not GalphaQ/11-protein in post-mortem human prefrontal cortex of subjects with schizophrenia
Name of the conference: Neurogune 2022
Type of event: Conference **Geographical area:** Regional
Type of participation: 'Participatory - poster
City of event: Pamplona, Spain
Date of event: 01/07/2022
End date: 01/07/2022
Organising entity: University of Navarre | Clínica Universitaria de Navarra | Cima Achucarro Basque Center for Neuroscience
Itziar Muneta-Arrate; Rebeca Diez-Alarcia; Igor Horrillo; J Javier Meana.
- 7** **Title of the work:** GAP43, a new CB1R-interacting protein that decreases receptor function in hippocampal mossy cell-granular cell synapses.
Name of the conference: Cannabinoid Function in the CNS Gordon Research Conference Cell Types, Synapses, Circuits and the Road to Novel Therapeutics
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Ventura, United States of America
Date of event: 07/11/2021
End date: 12/11/2021
IB Maroto; Carlos Costas-Insua; Estefania Moreno; C Berthoux; A Ruiz-Calvo; R Bajo-Grañeras; A Macías; R Martín; N García-Font; Rebeca Diez-Alarcia; Leyre Urigüen; J Sánchez-Prieto; Luiggi Belochio; Giovanni Marsicano; El Canela; Vincent Casadó; Ismael Galve-Roperh; D Fernández de Sevilla; I Rodríguez-Crespo; PE Castillo; Manolo Guzmán.
- 8** **Title of the work:** FUNCTIONAL SELECTIVITY OF SEROTONIN 5-HT_{2A} RECEPTOR DRUGS ON GAI1-PROTEINS IN POSTMORTEM HUMAN BRAIN CORTEX.
Name of the conference: XIX Congreso de la Sociedad Española de Neurociencias (SENC)
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Lleida, Spain
Date of event: 03/11/2021
End date: 05/11/2021
Organising entity: Sociedad Española de Neurociencias (SENC)
J Javier Meana; Itziar Muneta-Arrate; Patricia Miranda-Azpiazuz; Aintzane García-Bea; Igor Horrillo; R Diez-Alarcia.
- 9** **Title of the work:** INCREASED SEROTONIN 5-HT_{2A} RECEPTOR CONSTITUTIVE ACTIVITY ON GAI1-PROTEIN IN POST-MORTEM FRONTAL CORTEX OF SUBJECTS WITH SCHIZOPHRENIA.
Name of the conference: XIX Congreso de la Sociedad Española de Neurociencias (SENC)
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Lleida, Spain
Date of event: 03/11/2021
End date: 05/11/2021
Organising entity: Sociedad Española de Neurociencias (SENC)
R Diez-Alarcia; Itziar Muneta-Arrate; Igor Horrillo; J Javier Meana.

- 10** **Title of the work:** Increased serotonin 5HT_{2A} receptor constitutive activity on Gai1- but not Gq/11-proteins in human prefrontal cortex of subjects with schizophrenia
Name of the conference: 5th ERNEST hybrid meeting. "Bridging Perspectives and Networking in Signal Transduction Research"
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Date of event: 04/10/2021
End date: 08/10/2021
Organising entity: COST Action ERNEST
Itziar Muneta-Arrate; Rebeca Diez-Alarcia; Igor Horrillo; J Javier Meana.
- 11** **Title of the work:** Cannabis abuse differently regulates platelet 5-HT_{2A}R and Akt in schizophrenia
Name of the conference: 34th ECNP Hybrid Congress
Type of event: Conference
City of event: Lisbon,
Date of event: 02/10/2021
End date: 05/10/2021
Geographical area: European Union
Organising entity: European College of Neuropsychopharmacology
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Paula Unzueta-Larrinaga; Inés Ibarria-Lecue; Rocío Barrena-Barbadillo; Rebeca Diez-Alarcia; Miguel A Landabaso; Begoña Mendibil; Luis F Callado; Leyre Uriguen. "Eur Neuropsychopharmacol". En: European Neuropsychopharmacology. 53 - Supp, pp. S666 - S667. 2021. ISSN 0924-977X
- 12** **Title of the work:** Evaluation of the serotonin 5HT_{2A} receptor functional selectivity and inverse agonist properties of different antipsychotic drugs in human post-mortem brain cortex.
Name of the conference: 34th ECNP Hybrid Congress
Type of event: Conference
City of event: Lisbon,
Date of event: 02/10/2021
End date: 05/10/2021
Geographical area: European Union
Organising entity: European College of Neuropsychopharmacology
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Itziar Muneta-Arrate; Rebeca Diez-Alarcia; Igor Horrillo; J Javier Meana. "Eur Neuropsychopharmacol". En: European Neuropsychopharmacology. 53 - Supp, pp. S165 - S166. 2021. ISSN 0924-977X
- 13** **Title of the work:** Increased serotonin 5HT_{2A} receptor constitutive activity on Gai1- but not Gq/11-proteins in human prefrontal cortex of subjects with schizophrenia
Name of the conference: 34th ECNP Hybrid Congress
Type of event: Conference
City of event: Lisbon,
Date of event: 02/10/2021
End date: 05/10/2021
Geographical area: European Union
Organising entity: European College of Neuropsychopharmacology
With external admission assessment committee: Yes
Type of contribution: Scientific paper
J Javier Meana; Itziar Muneta-Arrate; Igor Horrillo; Rebeca Diez-Alarcia. "Eur Neuropsychopharmacol". En: European Neuropsychopharmacology. 53 - Supp, pp. S447 - S447. 2021. ISSN 0924-977X

- 14** **Title of the work:** Differential G-protein signalling signatures of hallucinogenic and non-hallucinogenic 5-HT_{2A} receptor agonists in post-mortem human brain.
Name of the conference: 4th ERNEST online meeting. "Insights from structures of signalling complexes and computational modelling of GPCR signalling"
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Date of event: 12/04/2021
End date: 14/04/2021
Organising entity: COST Action ERNEST
Patricia Miranda-Azpiazu; Itziar Muneta-Arrate; Rebeca Diez-Alarcia; Aintzane García-Bea; J Javier Meana.
- 15** **Title of the work:** Enhanced coupling of the 5-HT_{2A} receptor with Gai1-protein in post-mortem frontal cortex of subjects with schizophrenia
Name of the conference: ECNP Workshop for Early Career Scientists in Europe Virtual 2021
Type of participation: Participatory - oral communication
Date of event: 03/03/2021
End date: 05/03/2021
Organising entity: european college of neuropsychopharmacology
Itziar Muneta-Arrate; Rebeca Diez-Alarcia; Igor Horrillo; J Javier Meana. "Volume 44, Supplement 1, March 2021, Page S4". En: Eur Neuropsychopharmacol.
- 16** **Title of the work:** Enhanced coupling of the 5-HT_{2AR} on Galphai1-protein in post-mortem frontal cortex of subjects with schizophrenia.
Name of the conference: 3rd ERNEST online meeting. "Signal transduction: From the genomic to the systems level"
Type of event: Conference
Type of participation: 'Participatory - poster
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Date of event: 12/10/2020
End date: 14/10/2020
Organising entity: COST Action ERNEST
Itziar Muneta-Arrate; Rebeca Diez-Alarcia; Igor Horrillo; J Javier Meana.
- 17** **Title of the work:** Functional selectivity of different serotonin 5-HT_{2A} receptor antagonists in human post-mortem brain cortex.
Name of the conference: 33rd ECNP Congress
Type of event: Conference
Geographical area: European Union
Date of event: 12/09/2020
End date: 15/09/2020
Organising entity: European College of Neuropsychopharmacology
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Itziar Muneta-Arrate; Rebeca Diez-Alarcia; Igor Horrillo; J Javier Meana. "Eur Neuropsychopharmacol". En: European Neuropsychopharmacology. 31 - Supp 1, pp. S11 - S12. 2014. ISSN 0924-977X
- 18** **Title of the work:** Differential G-protein regulation elicited by seven serotonin 2A receptor (5-HT_{2AR}) "antagonist" drugs in postmortem human brain
Name of the conference: 2nd ERNEST online meeting. "New perspectives in signal transduction: GPCRs and Beyond"
Type of event: Conference
Geographical area: Non EU International



Type of participation: Participatory - oral communication

Date of event: 28/03/2020

End date: 30/03/2020

Organising entity: COST Action ERNEST

Rebeca Díez-Alarcia; Itziar Muneta-Arrate; Igor Horrillo; J Javier Meana.

Reasons for participation: Review before acceptance

- 19** **Title of the work:** Discovering the relationship between schizophrenia and cannabis use: differential Akt functional status and 5-HT_{2A}R expression in platelets of patients
Name of the conference: XX Reunión Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Barcelona, Catalonia, Spain
Date of event: 21/11/2019
End date: 23/11/2019
Organising entity: Sociedad Española de Investigación en Cannabinoides SEIC
 Inés Ibarra-Lecue; Rocío Barrena-Barbadillo; Paula Unzeta-Larrinaga; Rebeca Díez-Alarcia; A Miguel Landabaso; Begoña Mendibil; L F Callado; Leyre Urigüen.
- 20** **Title of the work:** Pimavanserin behaves as serotonin 5-HT_{2A} receptor inverse agonist selective for Gai/o but not Gq/11 proteins in human prefrontal cortex.
Name of the conference: 32nd ECNP Congress
Type of event: Conference
Geographical area: European Union
City of event: Copenhagen, Denmark
Date of event: 07/09/2019
End date: 10/09/2019
Organising entity: European College of Neuropsychopharmacology
With external admission assessment committee: Yes
Type of contribution: Scientific paper
 Itziar Muneta-Arrate; Rebeca Díez-Alarcia; Igor Horrillo; J Javier Meana. "Eur Neuropsychopharmacol". En: European Neuropsychopharmacology. 29 - Supp 6, pp. S78 - S79. 2014. ISSN 0924-977X
- 21** **Title of the work:** Alterations in 5-HT_{2A}-adrenoceptor mediated G protein signalling in postmortem prefrontal cortex of schizophrenia subjects.
Name of the conference: ECNP Workshop for Junior Scientists in Europe
City of event: Nice, France
Date of event: 07/03/2019
End date: 10/03/2019
Organising entity: European College of Neuropsychopharmacology
 Iria Brocos-Mosquera; Amaia M Erdozain; J Javier Meana; Luis Felipe Callado; Rebeca Díez-Alarcia. "European Neuropsychopharmacology March 2019 - Volume 19, Supplementary 2 S638-s639".
- 22** **Title of the work:** Chronic cannabis promotes pro-hallucinogenic signaling of 5-HT_{2A} receptors through AKT/mTOR pathway.
Name of the conference: XIX Reunión Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Madrid, Community of Madrid, Spain
Date of event: 22/11/2018
End date: 24/11/2018
Organising entity: Sociedad Española de Investigación sobre cannabinoides (SEIC)
 Inés Ibarra Lecue; Irene Mollinedo Gajate; J Javier Meana Martínez; L Felipe Callado Hernando; Rebeca Díez Alarcia; Leyre Urigüen Echeverria.

- 23** **Title of the work:** Therapeutic targeting of HER2-CB2R heteromers in her-positive breast cancer.
Name of the conference: XIX Reunión Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Madrid, Community of Madrid, Spain
Date of event: 22/11/2018
End date: 24/11/2018
Organising entity: Sociedad Española de Investigación sobre cannabinoides (SEIC)
Sandra Blasco-Benito; Leyre Urigüen; Rebeca Diez-Alarcia; Cristina Sánchez.
- 24** **Title of the work:** Decreased ribosomal protein S6 phosphorylation in postmortem prefrontal cortex of subjects with schizophrenia: effects of antipsychotic treatment.
Name of the conference: 31st ECNP Congress
Type of event: Conference **Geographical area:** European Union
City of event: Barcelona, Catalonia, Spain
Date of event: 06/10/2018
End date: 09/10/2018
Organising entity: European College of Neuropsychopharmacology
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Luis Felipe Callado; Inés Ibarra-Lecue; Rebeca Diez-Alarcia; Leyre Urigüen; J Javier Meana. "Eur Neuropsychopharmacol volume 29. Supp 1 (S321), ISSN 0924-977X (2019)". En: European Neuropsychopharmacology. 2014.
- 25** **Title of the work:** Human cerebral 5-HT_{2A} receptor labelling with [18F]altanserin, [3H]LSD, and [3H]M100907. Relevance of radiotracer intrinsic activity.
Name of the conference: 31st ECNP Congress
Type of event: Conference **Geographical area:** European Union
City of event: Barcelona, Catalonia, Spain
Date of event: 06/10/2018
End date: 09/10/2018
Organising entity: European College of Neuropsychopharmacology
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Rebeca Diez-Alarcia; Carolina Muguruza; Guadalupe Rivero; Aintzane García-Bea; Luis Felipe Callado; Abraham Martín; Jordi Llop; J Javier Meana. "Eur Neuropsychopharmacol volume 29. Supp 1 (S324), ISSN 0924-977X (2019)". En: European Neuropsychopharmacology. 2014.
- 26** **Title of the work:** Effects of chronic antipsychotics administration on Akt-dependent signalling pathways in rat brain cortex.
Name of the conference: 1st Meeting in Translational Pharmacology / 38th SEF national meeting/9th SEFF meeting.
City of event: Santiago de Compostela, Spain
Date of event: 18/06/2018
End date: 22/09/2018
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Luis Felipe Callado; Inés Ibarra-Lecue; Virginia Luque-Fernández; Jose Javier Meana; Rebeca Diez-Alarcia; Leyre Urigüen.
- 27** **Title of the work:** Chronic tetrahydrocannabinol and psychoticlike symptoms in mouse: focusing cortical serotonin 2A receptors functionality.
Name of the conference: ECNP Workshop for Junior Scientists in Europe
City of event: Nice, France
Date of event: 15/03/2018

End date: 18/03/2018

Organising entity: European College of Neuropsychopharmacology

Ibarra-Lecue Inés; Mollinedo-Gajate Irene; Jose Javier Meana; Luis Felipe Callado; Rebeca Diez-Alarcia; Leyre Urigüen. "European Neuropsychopharmacology March 2018 - Volume 18, Supplementary 1."

- 28** **Title of the work:** Chronic Delta9-THC and psychotic-like symptoms in mice: focusing on brain cortical 5-HT2A receptors functionality and AKT/mTOR pathway.
Name of the conference: XVIII Reunión Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Bilbao, Basque Country, Spain
Date of event: 23/11/2017
End date: 25/11/2017
Organising entity: Sociedad Española de Investigación sobre cannabinoides (SEIC)
Inés Ibarra Lecue; Irene Mollinedo Gajate; J Javier Meana Martínez; L Felipe Callado Hernando; Rebeca Diez Alarcia; Leyre Urigüen Echeverria.
- 29** **Title of the work:** Chronic Delta9-THC administration leads to a supersensitivity to (\pm)DOI induced psychotic-like symptoms by modulating 5-HT2A receptors and inhibitory Gi/o proteins in mouse brain cortex.
Name of the conference: 47th European Brain & Behaviour Society Meeting 2017.
City of event: Bilbao, Basque Country, Spain
Date of event: 08/09/2017
End date: 11/09/2017
Organising entity: European Brain & Behaviour Society
Inés Ibarra Lecue; Irene Mollinedo Gajate; J Javier Meana Martínez; L Felipe Callado Hernando; Rebeca Diez Alarcia; Leyre Urigüen Echeverria.
- 30** **Title of the work:** Chronic Delta9-THC administration leads to functional 5-HT2A receptors supersensitivity mediated by inhibitory Gi/o proteins in mouse brain cortex.
Name of the conference: 37th SEF National Meeting with Guess Society, The British Pharmacological Society.
City of event: Barcelona, Catalonia, Spain
Date of event: 18/06/2017
End date: 21/06/2017
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Inés Ibarra Lecue; Irene Mollinedo Gajate; J Javier Meana Martínez; L Felipe Callado Hernando; Rebeca Diez Alarcia; Leyre Urigüen Echeverria.
- 31** **Title of the work:** Chronic Delta9-THC leads to dysregulated binding and functionality of serotonin 5-HT2A receptors in mouse brain cortex
Name of the conference: XVII Reunión Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Las Palmas de Gran Canaria, Spain
Date of event: 24/09/2016
End date: 26/09/2016
Organising entity: Sociedad Española de Investigación en Cannabinoides
Inés Ibarra-Lecue; Rebeca Diez-Alarcia; J Javier Meana; Luis Felipe Callado; Leyre Urigüen.
- 32** **Title of the work:** Evaluation of the functional coupling of cannabinoid receptors in mouse brain
Name of the conference: Neurogune
City of event: Bilbao, Spain
Date of event: 27/06/2016
Inés Ibarra-Lecue; Rebeca Diez-Alarcia; A P López-Cardona; Luis Felipe Callado; Ekaitz Agirregoitia; Leyre Urigüen.



- 33** **Title of the work:** Pharmacological hallmarks of the 5-HT_{2A} receptor ligands ketanserin and altanserin in human frontal cortex: potential concern in schizophrenia studies
Name of the conference: Neurogune
City of event: Bilbao, Spain
Date of event: 27/06/2016
Patricia Miranda-Azpiazu; Carolina Muguruza; Rebeca Díez-Alarcia; L Felipe Callado; Javier Gonzalez-Maeso; J Javier Meana.
- 34** **Title of the work:** Functional selectivity of cannabinoid receptors signaling in mouse brain cortex.
Name of the conference: XVI Reunión Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Granada, Spain
Date of event: 22/09/2015
End date: 24/09/2015
Organising entity: Sociedad Española de Investigación en Cannabinoides
Inés Ibarra-Lecue; Rebeca Díez-Alarcia; A P López-Cardona; Luis Felipe Callado; Ekaitz Agirregoitia; Leyre Urigüen.
- 35** **Title of the work:** Evaluation of the functional selectivity of cannabinoide receptors signaling in mouse brain cortex.
Name of the conference: 7th European Workshop on Cannabinoid Research and IACM 8th Conference on Cannabinoids in Medicine
City of event: Geneve, Italy
Date of event: 17/09/2015
End date: 19/09/2015
Organising entity: European Workshop on Cannabinoid Research
Inés Ibarra-Lecue; Rebeca Díez-Alarcia; A P López-Cardona; Luis Felipe Callado; Ekaitz Agirregoitia; Leyre Urigüen.
- 36** **Title of the work:** Selective up-regulation of serotonin 5-HT_{2A} receptor coupling to Gα_{phai1}-proteins in postmortem brain of subjects with schizophrenia
Name of the conference: 27th ECNP Congress
Type of event: Conference
Geographical area: European Union
City of event: Berlín, Germany
Date of event: 18/10/2014
End date: 21/10/2014
With external admission assessment committee: Yes
Type of contribution: Scientific paper
J Javier Meana; Patricia Miranda-Azpiazu; Aintzane García-Bea; Carolina Muguruza; Luis Felipe Callado; Ane M Gabilondo; Rebeca Díez-Alarcia; Javier González-Maeso. "Selective up-regulation of serotonin 5-HT_{2A} receptor coupling to Gα_{phai1}-proteins in postmortem brain of subjects with schizophrenia". En: European Neuropsychopharmacology. 2014.
- 37** **Title of the work:** Brain FADD in major depression and depression-like behavior in rats: Effects of antidepressant treatments.
Name of the conference: XVI World Congress of Psychiatry
City of event: Madrid, Spain
Date of event: 14/09/2014
End date: 18/09/2014
M Julia García-Fuster; Rebeca Díez-Alarcia; J Javier Meana; Jesús A García-Sevilla.



- 38** **Title of the work:** Functional coupling of group II metabotropic glutamate receptors to G alpha-proteins in postmortem frontal cortex of schizophrenic subjects.
Name of the conference: 26th ECNP Congress
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Barcelona, Catalonia, Spain
Date of event: 05/10/2013
End date: 09/10/2013
Organising entity: European College of Neuroscience Applied
Aintzane García-Bea; Patricia Miranda-Azpiazu; Rebeca Díez-Alarcia; Ane M Gabilongo; Benito Morentin; Javier González-Maeso; J Javier Meana. "Eur Neuropsychopharmacol 23 Supp. 2 (s206), ISSN 0924-977X (2013)". En: Eur Neuropsychopharmacol.
- 39** **Title of the work:** Hallucinogenic and non-hallucinogenic 5-HT_{2A} receptor agonist induce distinct patterns of G protein coupling in postmortem human brain.
Name of the conference: 26th ECNP Congress
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Barcelona, Catalonia, Spain
Date of event: 05/10/2013
End date: 09/10/2013
Organising entity: European College of Neuroscience Applied
Patricia Miranda-Azpiazu; Rebeca Díez-Alarcia; Aintzane García-Bea; Javier González-Maeso; Benito Morentin; J Javier Meana. "Eur Neuropsychopharmacol 23 Supp. 2 (s201), ISSN 0924-977X (2013)". En: Eur Neuropsychopharmacol.
- 40** **Title of the work:** Different pharmacological properties of ketanserin and altanserin on serotonin 5-HT_{2A} receptors in postmortem human brain: interest for schizophrenia studies.
Name of the conference: Congreso de la Sociedad Española de Farmacología
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: San Pedro del Pinatar, Region of Murcia, Spain
Date of event: 19/09/2013
End date: 19/09/2013
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
J Javier Meana; Patricia Miranda-Azpiazu; Carolina Muguruza; Rebeca Díez-Alarcia; Luis Felipe Callado; Javier González-Maeso. "Basic & Clinical Pharmacology & Toxicology, 2013; 113 (Suppl. 1): 17.". En: Basic & Clinical Pharmacology & Toxicology.
- 41** **Title of the work:** Fas-associated death domain (FADD) adaptor in schizophrenia and major depression. Effects of psychotropic medications.
Name of the conference: 11th World Congress of Biological Psychiatry
Type of event: Conference
City of event: Kyoto, Japan
Date of event: 2013
Jesús A García-Sevilla; M Julia García-Fuster; Rebeca Díez-Alarcia; J Javier Meana Martínez. "11th World Congress of Biological Psychiatry Abstracts book, S-077-004".
- 42** **Title of the work:** Selective up-regulation of serotonin 5HT_{2A} receptor coupling to Galphai1-proteins in postmortem human brain of schizophrenic subjects.
Name of the conference: 11th World Congress of Biological Psychiatry
Type of event: Conference

City of event: Kyoto, Japan

Date of event: 2013

J Javier Meana Martínez; Patricia Miranda-Azpiazu; Aintzane García-Bea; Rebeca Díez-Alarcia; Javier González-Maeso. "11th World Congress of Biological Psychiatry Abstracts book, P-15-001."

- 43 Title of the work:** Dysregulation of 5HT_{2A} and mGlu₂ receptors in rat cortex after chronic treatment with antipsychotics.

Name of the conference: 6th European Congress of Pharmacology, EPHAR 2012

City of event: Granada, Spain

Date of event: 2012

A García-Bea; P Miranda-Azpiazu; AM Gabirolongo; R Díez-Alarcia; LF Callado; J González-Maeso; JJ Meana. "6th European Congress of Pharmacology – EPHAR 2012 Volume 10 – Issue 3 C025".

- 44 Title of the work:** Is the 5HT_{2A}/mGlu₂ Receptor heterocomplex altered in schizophrenia?

Name of the conference: 8th FENS FORUM of NEUROSCIENCE

City of event: Barcelona, Spain

Date of event: 2012

JJ Meana; C Muguruza; P Miranda-Azpiazu; R Díez-Alarcia; LF Callado; J González-Maeso. "FENS Abstr 2012".

- 45 Title of the work:** Use of scintillation proximity assay (SPA) for the caracterización of the specific G-protein subtypes stimulated by different GPCRs in postmortem human brain tissue.

Name of the conference: 6th European Congress of Pharmacology, EPHAR 2012

City of event: Granada, Spain

Date of event: 2012

P Miranda-Azpiazu; R Díez-Alarcia; LF Callado; JJ Meana. "6th European Congress of Pharmacology – EPHAR 2012 Volume 10 – Issue 3 C029".

- 46 Title of the work:** The inverse agonist effect of rimonabant in brain membranes is not mediated by the CB₁ receptor

Name of the conference: World Congress of Basic and Clinical Pharmacology

City of event: Copenhagen, Denmark

Date of event: 2010

LF Callado; AM Erdozain; R Díez-Alarcia; JJ Meana. "Basic & Clinical Pharmacology & Toxicology 107: p212".

- 47 Title of the work:** The inverse agonist effect of rimonabant in human postmortem brain is mediated by Gα_{i3}/Gα_o proteins

Name of the conference: 11ª Reunión Sociedad Española de Investigación sobre cannabinoides (SEIC)

City of event: Pontevedra, Spain

Date of event: 2010

R Díez-Alarcia; AM Erdozain; JJ Meana; LF Callado. "Libro de abstracts SEIC (2010)".

- 48 Title of the work:** Expresión de la Aquaporina 4 en muestras post-mortem de corteza cerebral humana de sujetos con diferentes trastornos psiquiátricos

Name of the conference: XIII Congreso de la Sociedad Española de Neurociencias (SENC)

City of event: Tarragona, Spain

Date of event: 2009

R Díez-Alarcia; D Arteta; E Munarriz-Cuezva; EM Valdizán; A Pazos; L Simón; A Martínez; M Ferrer-Alcón; JJ Meana. "Abstract Book p200 (P 365)".



- 49** **Title of the work:** Expresión y funcionalidad del receptor cannabinoide CB1 en el cerebro humano postmortem de sujetos alcohólicos
Name of the conference: XIII Congreso de la Sociedad Española de Toxicomanías (SET)
City of event: Las Palmas, Spain
Date of event: 2009
AM Erdozain; R Díez-Alarcia; L Urigüen; JJ Meana; LF Callado. "Abstract Book p200 (P 365).".
- 50** **Title of the work:** Expression of aquaporin 4 (AQP4) in postmortem human brain cortex of subjects with different psychiatric disorders.
Name of the conference: 39th Annual Meeting of the Society for Neuroscience
City of event: Chicago, United States of America
Date of event: 2009
R Díez-Alarcia; D Arteta; E Munarriz-Cuezva; EM Valdizán; A Pazos; JM Palacios; L Simón; A Martínez; M Ferrer-Alcón; JJ Meana. "Soc Neurosci Abstr: 340.23. 2009".
- 51** **Title of the work:** Study of the effects of SR141716 on G-protein activation in postmortem human brain membranes
Name of the conference: IV European Workshop on Cannabinoid Research
City of event: Madrid, Spain
Date of event: 2009
R Díez-Alarcia; AM Erdozain; JJ Meana; LF Callado. "Abstract Book p108".
- 52** **Title of the work:** The inverse agonist effect of Rimonabant on G-protein activation is not mediated by the CB1 receptor: evidence from human postmortem brain
Name of the conference: 10ª Reunión de la Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Santander, Spain
Date of event: 2009
AM Erdozain; R Díez-Alarcia; JJ Meana; LF Callado. "Libro de abstracts SEIC (2009)".
- 53** **Title of the work:** Cannabinoid CB1 receptor protein expression in postmortem brain of suicidal and non-suicidal alcoholic subjects
Name of the conference: XXX Congreso de la Sociedad Española de Farmacología
City of event: Bilbao, Spain
Date of event: 2008
AM Erdozain; R Díez-Alarcia; JJ Meana; LF Callado. "Methods Find Exp Clin Pharmacol 2008; 30 (Suppl.2): 83.".
- 54** **Title of the work:** Cannabinoid CB1 receptor protein expression in postmortem brain of suicidal and non-suicidal alcoholic subjects.
Name of the conference: 21st ECNP Congress
City of event: Barcelona, Spain
Date of event: 2008
AM Erdozain; R Díez-Alarcia; JJ Meana; LF Callado. "European Neuropsychopharmacology The Journal of the European College of Neuropsychopharmacology, Volume 18 Supplement 4, Page S527.".
- 55** **Title of the work:** Changes in CB1 cannabinoid receptor in postmortem human brain of alcoholic subjects
Name of the conference: 9ª Reunión de la Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Córdoba, Spain
Date of event: 2008
AM Erdozain; R Díez-Alarcia; L Urigüen; JJ Meana; LF Callado. "Libro de abstracts SEIC (2008).".



- 56 Title of the work:** Comparison of gene expression pattern in cerebral cortex between three different animal models of depression
Name of the conference: XXX Congreso de la Sociedad Española de Farmacología
City of event: Bilbao, Spain
Date of event: 2008
L Urigüen; D Arteta; R Díez-Alarcia; M Ferrer-Alcón; A Díaz; A Pazos; JJ Meana. "Methods Find Exp Clin Pharmacol 2008; 30 (Suppl.2): 120."
- 57 Title of the work:** Effects of Subchronic corticosterone treatment in the functional activity of alpha 2-adrenoceptors in rat brain cortex
Name of the conference: XXX Congreso de la Sociedad Española de Farmacología
City of event: Bilbao, Spain
Date of event: 2008
I Horrillo; R Díez-Alarcia; L Urigüen; JE Ortega; JJ Meana. "Methods Find Exp Clin Pharmacol 2008; 30 (Suppl.2): 90."
- 58 Title of the work:** CB1 cannabinoid receptor in postmortem prefrontal cortex of schizophrenic suicides
Name of the conference: 3rd European workshop on cannabinoid research. British Pharmacological Society
City of event: Nottingham, United Kingdom
Date of event: 2007
L Urigüen; R Díez-Alarcia; D Arteta; JA García-Sevilla; LF Callado; JJ Meana. "Proceedings of the British Pharmacological Society, 15; 1: abstract 005P."
- 59 Title of the work:** Patrón de expresión génica en corteza cerebral de rata en tres modelos animales de depresión
Name of the conference: 5ª Reunión internacional sobre las fases tempranas de las enfermedades mentales: Los Trastornos Depresivos
City of event: Santander, Spain
Date of event: 2007
L Urigüen; D Arteta; R Díez-Alarcia; M Ferrer-Alcón; A Díaz; A Pazos; JJ Meana. "Los Trastornos Depresivos, Ed: ELSEVIER-MASSON. 2008. ISBN: 978-84-458-1936-4".
- 60 Title of the work:** Alpha-2 adrenoceptor-mediated adenylyl cyclase inhibition in post-mortem frontal cortex of depressed suicide victims
Name of the conference: Society for Neuroscience, 36th Annual Meeting
City of event: Atlanta, United States of America
Date of event: 2006
EM Valdizán; R Díez-Alarcia; J González-Maeso; J García-Sevilla; J Meana; A Pazos. "Soc Neurosci Abstr: 191.17/NN35, 2006".
- 61 Title of the work:** Changes in CB1 cannabinoid receptor in postmortem prefrontal cortex of schizophrenic subjects
Name of the conference: 7ª Reunión de la Sociedad Española de Investigación sobre cannabinoides (SEIC)
City of event: Toledo, Spain
Date of event: 2006
L Urigüen; R Díez-Alarcia; D Arteta; JA García-Sevilla; LF Callado; JJ Meana. "Libro de abstracts SEIC (2006)".



- 62** **Title of the work:** Functional activity of alpha2-adrenoceptors in postmortem frontal cortex of depressed suicide victims
Name of the conference: 19th ECNP Congress
City of event: Paris, France
Date of event: 2006
"Eur Neuropsychopharmacol 16 Supp, ISSN 0924-977X (2006).".
- 63** **Title of the work:** Caracterización de los receptores alpha2-adrenérgicos encefálicos de Gallus gallus
Name of the conference: XXV Reunión del GEN (Grupo español de Neurotransmisión).
City of event: Molina de Segura (Murcia), Spain
Date of event: 2004
R Díez-Alarcia; F Pilar-Cuéllar; S Dos-Anjos; A Fernández-López. "Libro de Resúmenes de la XXV Reunión del GEN (2004).".
- 64** **Title of the work:** Chick brain alpha2-adrenergic receptor characterization. A radioligand binding study
Name of the conference: 4th Forum of European Neuroscience
City of event: Lisboa, Portugal
Date of event: 2004
A Fernández-López; S Dos Anjos; S Montori; R Díez-Alarcia. "FENS Abstr., vol. 2, A011.6, 2004".
- 65** **Title of the work:** Regional differences in pirenzepine and AF-DX 116 inhibition of the oxotremorin and carbachol stimulation in gerbil brain using functional autoradiography
Name of the conference: 34th Meeting of the Society for Neuroscience
City of event: San Diego, United States of America
Date of event: 2004
F Pilar-Cuéllar; R Díez-Alarcia; S Montory; C Soria; JC Bermejo; A Fernández-López. "Soc Neurosci Abstr 127: 846.13.".
- 66** **Title of the work:** Chick brain muscarinic receptor-stimulated G-proteins in the first week after hatching
Name of the conference: 33th Meeting of the Society for Neuroscience
City of event: New Orleans, United States of America
Date of event: 2003
R Díez-Alarcia; ME Alonso; MA Paniagua; MA Ríos; A Fernández-López. "Society for neuroscience, Abstracts Book 2003: (799.4).".
- 67** **Title of the work:** Age-related differences in cannabinoid receptor stimulated GTPgamma[35S] binding in the gerbil brain
Name of the conference: 32th Meeting of the Society for Neuroscience
City of event: Orlando, United States of America
Date of event: 2002
R Díez-Alarcia; FP Cuellar; CC Pérez-García; JC Bermejo; A Fernández-López. "Society for neuroscience, Abstracts Book 2002: (790.16).".
- 68** **Title of the work:** Effect of the acute propranolol treatment on the beta-adrenoceptor binding following induced seizures in mongolian gerbil
Name of the conference: 31th Meeting of the Society for Neuroscience
City of event: San Diego, United States of America
Date of event: 2001
MI Aller; R Díez-Alarcia; JC Bermejo; C Soria; A Fernández-López. "Society for neuroscience, Abstracts Book 26: 1425(534.1)".



- 69 Title of the work:** Beta-adrenoceptors in Galliforms
Name of the conference: 2th Meeting of the European Neuroscience Association
City of event: Brighthton, United Kingdom
Date of event: 2000
 MA Paniagua; R Díez-Alarcia; R Revilla; FP Cuellar; A Fernández-López. "Eur. J. Neurosci. Vol. 12, Supp. 11:53 (20.19.06).".
- 70 Title of the work:** Differential distribution of the muscarinic receptors in species of several avian orders
Name of the conference: 1998 Forum of European Neuroscience
City of event: Berlin, Germany
Date of event: 1998
 R. Revilla; C. Fernández-López; N.S. Bucco; R. Díez-Alarcia; A. Fernández-López. "Eur. J. Neurosci. Vol. 10, Supp. 10: 400 (1998).".
- 71 Title of the work:** Muscarinic Receptor differences in gerbils with different epilepsy-induced behavior
Name of the conference: Meeting of the Society for Behavioral Neuroendocrinology
City of event: Baltimore, United States of America
Date of event: 1997
 V Revilla; S Robles; R Díez-Alarcia; CC Pérez; F Fernández-López. "SBN-CRB '97, 154".

R&D management and participation in scientific committees

Organization of R&D activities

Title of the activity: Miembro del comité organizador de la XXVII Reunión del Grupo Español de Neurotransmisión (GEN)
City convening entity: Plentzia (Bizkaia), Spain
Start-End date: 2005 - 2005

R&D management

- 1 Name of the activity:** Supervisor de Instalaciones Radiactivas (LFNE)
Type of management: Gestión de utilización de sustancias radiactivas así como de los residuos generados, y supervisión del correcto funcionamiento de la Instalación Radiactiva.
Performed tasks: Supervisor responsable de la IRA1785
Entity: Universidad del País Vasco **Type of entity:** University
Start date: 01/09/2012
- 2 Name of the activity:** Colaboración entre el grupo de Neuropsicofarmacología del Dpto. de Farmacología de la Facultad de Medicina y Odontología de la Universidad del País Vasco (UPV/EHU), liderado por el Dr. J. Javier Meana Martínez, y el grupo del Dr. Christopher Woelk, de la División de Informática Biomédica del Dpto. de Medicina de la Universidad de California San Diego (UCSD), California, EEUU
Type of management: Management of R&D&I actions and projects
Performed tasks: Responsable de la colaboración establecida entre el grupo de Neuropsicofarmacología del Dpto. de Farmacología de la Facultad de Medicina y Odontología de la Universidad del País Vasco (UPV/EHU), liderado por el Dr. J. Javier Meana Martínez, y el grupo del Dr. Christopher Woelk, de la División de Informática Biomédica del Dpto. de Medicina de la Universidad de California San Diego (UCSD), California, EEUU, para la realización de un proyecto dirigido al descubrimiento de nuevas dianas moleculares en esquizofrenia (Pérez-Santiago et al., 2012).
Entity: Universidad del País Vasco **Type of entity:** University

**Start date:** 01/01/2012**Duration:** 1 year

- 3 Name of the activity:** Gestión de la colaboración universidad-empresa entre NEIKER Tecnalia y la Universidad del País Vasco (UPV/EHU) para la utilización del “Odyssey-Infrared Imaging System”
Type of management: Gestión utilización equipamiento de Investigación
Performed tasks: Responsable de la gestión de la colaboración universidad-empresa entre NEIKER Tecnalia y la Universidad del País Vasco (UPV/EHU) para la utilización del “Odyssey-Infrared Imaging System” que se estableció dentro del marco de colaboración existente entre Neiker y la UPV/EHU
Entity: Universidad del País Vasco **Type of entity:** University
Start date: 01/01/2010

- 4 Name of the activity:** Responsable de la puesta a punto de la metodología de fijación de [35S]GTPgammaS acoplada a la inmunoprecipitación mediante anticuerpos específicos contra los diferentes subtipos de subunidades alfa de las proteínas G mediante la técnica de SPA (scintillation proximity assay) aplicado al trabajo con muestras cerebrales humanas y de modelos animales en el grupo de Neuropsicofarmacología del Dpto. de Farmacología de la Universidad del País Vasco (UPV/EHU).

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Dpto. de Fisiología y Farmacología, Facultad de Medicina, Universidad de Cantabria
Start-End date: 11/2008 - 11/2008
Goals of the stay: Guest
Provable tasks: Aprendizaje de las técnicas de inmunoprecipitación aplicadas al estudio de la funcionalidad de receptores para neurotransmisores
- 2 Entity:** Dpto. de Bioquímica, Bromatología y Toxicología, Facultad de Farmacia, Universidad de Sevilla
Start-End date: 10/2000 - 12/2000
Goals of the stay: Guest
Provable tasks: Aprendizaje de las técnicas de RT-PCR cuantitativa, inmunohistoquímica e inmunoprecipitación con anticuerpos específicos.

Obtained grants and scholarships

- 1 Name of the grant:** Adquisición infraestructura científica. Lector multimodal de microplacas
Aims: Adquisición infraestructura científica
Awarding entity: Universidad del País Vasco **Type of entity:** University
Amount of the grant: 18.682 €
Conferral date: 01/01/2020
End date: 31/12/2020
- 2 Name of the grant:** Adquisición infraestructura científica. Ultracentrífuga
Aims: Adquisición infraestructura científica
Awarding entity: Universidad del País Vasco **Type of entity:** University
Amount of the grant: 51.110 €
Conferral date: 01/01/2015
End date: 31/12/2015



3 **Name of the grant:** Adquisición infraestructura científica. Equipo automatizado para estudios de microdiálisis en roedores

Aims: Adquisición infraestructura científica

Awarding entity: Universidad del País Vasco

Type of entity: University

Amount of the grant: 40.793,64 €

Conferral date: 01/01/2010

End date: 31/12/2010

4 **Name of the grant:** Beca de Formación de Profesora Universitario (FPU)

Aims: Pre-doctoral

Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA

Conferral date: 01/01/2000

Duration: 4 years

End date: 31/12/2003

Entity where activity was carried out: Universidad de León

Faculty, institute or centre: Facultad de Ciencias Biológicas y Ambientales

Scientific societies and professional associations

Name of the society: Sociedad Española de Farmacología

Start-End date: 2008 - 2010

Co-operation networks

1 **Name of the network:** Centro de Investigación Biomédica en Red de Salud Mental (CIBERSAM)

Identification of the network: CIBERSAM (ISCIII)

Start date: 03/2008

2 **Name of the network:** Red de enfermedades Mentales y Trastornos Afectivos y Psicóticos

Identification of the network: ISCIII-RETIC REM-TAP

Start date: 03/2007

Duration: 10 months

Prizes, mentions and distinctions

Description: Recibido ECNP Travel Award 2006, 19th ECNP Congress

Awarding entity: European College of Neuropsychopharmacology

Conferral date: 09/2006

Periods of research activity

1 **Nº of recognized periods:** 1

Geographical area: National

Certifying entity: CNEAI / UNIBASQ Agencia de Calidad del Sistema Universitario Vasco

City certifying entity: Spain

Date of recognition: 30/06/2015



- 2** **Nº of recognized periods:** 1
Geographical area: National
Certifying entity: CNEAI / UNIBASQ Agencia de Calidad del Sistema Universitario Vasco
City certifying entity: Spain
Date of recognition: 09/07/2014

Obtained accreditations/recognitions

- 1** **Description:** Acreditación Profesor Agregado
Accrediting entity: UNIBASQ
City accrediting entity: Basque Country, Spain
Date of recognition: 01/04/2012
- 2** **Description:** Acreditación Personal Doctor Investigador
Accrediting entity: UNIBASQ
City accrediting entity: Basque Country, Spain
Date of recognition: 01/01/2012
- 3** **Description:** Acreditación Profesor Adjunto
Accrediting entity: UNIQUAL
City accrediting entity: Basque Country, Spain
Date of recognition: 01/03/2011
Type of entity: Agencia de Calidad del Sistema Universitario Vasco
- 4** **Description:** Acreditación Profesor Doctor de Universidad Privada
Accrediting entity: UNIQUAL
City accrediting entity: Basque Country, Spain
Date of recognition: 01/03/2011
Type of entity: Agencia de Calidad del Sistema Universitario Vasco
- 5** **Description:** Acreditación Profesor Asociado
Accrediting entity: UNIQUAL
City accrediting entity: Basque Country, Spain
Date of recognition: 01/03/2009
Type of entity: Agencia de Calidad del Sistema Universitario Vasco
- 6** **Description:** Acreditación Profesor Colaborador
Accrediting entity: UNIQUAL
City accrediting entity: Basque Country, Spain
Date of recognition: 01/03/2009
Type of entity: Agencia de Calidad del Sistema Universitario Vasco



Summary of other achievements

- 1** **Description of the achievement:** Ponencia titulada “Receptores 5HT2A en esquizofrenia. Implicaciones terapéuticas”, dentro del XXII Congreso Nacional de Psiquiatría
Accrediting entity: Comité Organizador Local del XXII Congreso Nacional de Psiquiatría
Conferral date: 27/09/2019
- 2** **Description of the achievement:** Complementos: Asignación de los niveles B1 y B2 de complementos destinados al reconocimiento de la calidad y la mejora continua
Accrediting entity: Consejo Social de la UPV/EHU y UNIBASQ
Conferral date: 04/12/2017
- 3** **Description of the achievement:** Complementos: Asignación del tramo C2 destinado al reconocimiento de la dedicación profesional a la Universidad del País Vasco UPV/EHU
Accrediting entity: Consejo Social de la UPV/EHU y UNIBASQ
Conferral date: 04/12/2017
- 4** **Description of the achievement:** Complementos: Asignación del tramo C1 destinado al reconocimiento de la dedicación profesional a la Universidad del País Vasco UPV/EHU
Accrediting entity: Consejo Social de la UPV/EHU y UNIBASQ
Conferral date: 08/10/2015
- 5** **Description of the achievement:** Ponencia invitada en el III Foro Internacional sobre Nuevos abordajes en el tratamiento de la esquizofrenia
Accrediting entity: Centro de Investigación Biomédica en Red de Salud Mental
Type of entity: CIBER
City accrediting entity: Spain
Conferral date: 20/11/2014
- 6** **Description of the achievement:** Homologación para las categorías B y C sobre protección de los animales utilizados para experimentación y otros fines científicos
Accrediting entity: Diputación de Bizkaia
City accrediting entity: Spain
Conferral date: 2007